

Slope stability analysis**Input data****Project**

Date : 17/10/2018

Settings

Standard - limit states

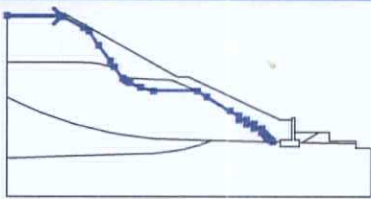
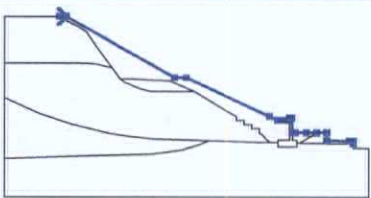
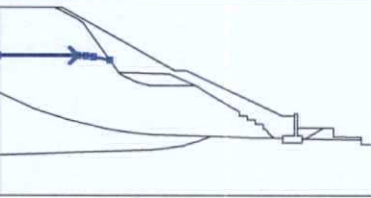
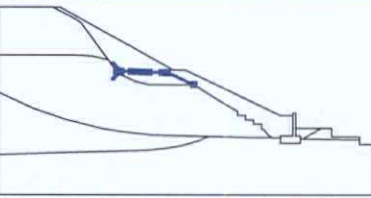
Stability analysis

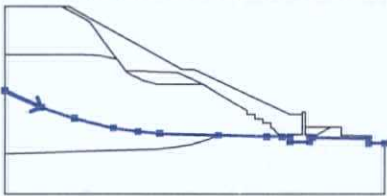
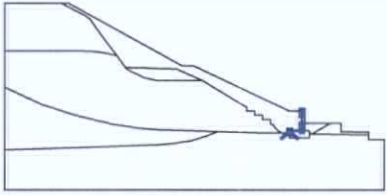
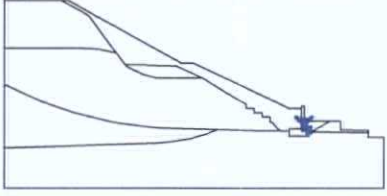
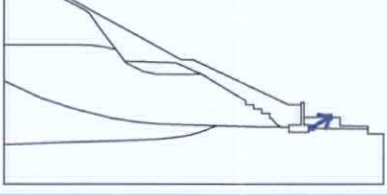
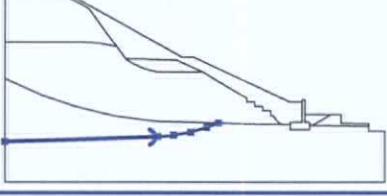
Earthquake analysis : Standard

Verification methodology : Limit states (LSD)

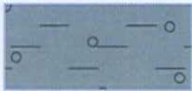
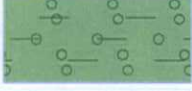
Reduction coeff. of soil parameters			
Permanent design situation			
Reduction coeff. of internal friction :	$\gamma_{m\phi} =$	1.10	[-]
Reduction coeff. of cohesion :	$\gamma_{mc} =$	1.40	[-]
Reduction coeff. of overall stability of construction :	$\gamma_s =$	1.10	[-]

Interface

No.	Interface location	Coordinates of interface points [m]					
		x	z	x	z	x	z
1		0.00	18.50	7.11	18.46	7.14	18.44
		7.26	18.37	9.93	16.96	10.65	16.49
		11.91	14.66	13.43	12.60	13.97	11.87
		15.06	10.38	15.41	10.10	15.70	9.92
		16.00	9.80	17.34	9.17	19.08	8.73
		24.74	8.73	26.02	7.95	29.02	6.12
		30.16	5.49	30.16	4.95	31.16	4.95
		31.16	4.41	32.16	4.41	32.16	3.87
		33.16	3.87	33.16	3.32	33.47	3.21
		33.59	3.07	33.70	2.95	33.81	2.78
		33.95	2.65	34.03	2.55	34.16	2.44
		34.24	2.39	34.40	2.27	34.58	2.14
2		7.11	18.46	8.00	18.46	22.12	10.56
		23.62	10.56	34.48	5.49	35.58	4.97
		35.87	4.97	36.33	4.97	37.08	4.97
		37.08	5.27	37.43	5.27	37.43	3.37
		37.85	3.37	39.31	3.37	40.64	3.37
		41.95	3.37	41.95	2.35	44.91	2.28
		45.41	2.28	45.41	1.94		
3		0.00	12.46	9.94	12.46	10.98	12.42
		11.94	12.31	13.97	11.87		
4		15.06	10.38	15.58	10.38	16.88	10.36
		17.59	10.33	18.27	10.29	19.10	10.27
		20.77	10.22	21.47	10.19	24.74	8.73

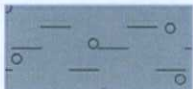
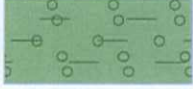
No.	Interface location	Coordinates of interface points [m]					
		x	z	x	z	x	z
5		0.00	7.93	4.57	5.82	8.71	4.45
		13.54	3.27	16.63	2.79	19.29	2.55
		26.63	2.33	32.67	2.17	34.58	2.14
		35.58	2.12	35.58	1.52	38.03	1.52
		38.03	2.07	38.38	2.06	45.41	1.94
		45.41	1.32	47.41	1.33		
6		35.58	2.12	35.58	2.42	37.08	2.42
		37.08	2.89	37.08	3.17	37.08	4.48
		37.08	4.97				
7		37.43	3.37	37.43	2.87	37.43	2.42
		38.03	2.42	38.03	2.07		
8		38.38	2.06	40.64	3.37		
9		0.00	0.00	19.08	0.63	21.04	0.80
		23.20	1.16	25.20	1.78	26.63	2.33

Soil parameters - effective stress state

No.	Name	Pattern	φ_{ef} [°]	c_{ef} [kPa]	γ [kN/m ³]
1	Made Ground		27.00	0.00	18.00
2	Glacial Till		30.00	0.00	20.00
3	Glaciofluvial Deposits		35.00	0.00	20.00
4	Coal Measure		25.00	35.00	20.00

No.	Name	Pattern	φ_{ef} [°]	c_{ef} [kPa]	γ [kN/m ³]
5	Engineered Fill		45.00	0.00	19.00

Soil parameters - uplift

No.	Name	Pattern	γ_{sat} [kN/m ³]	γ_s [kN/m ³]	n [–]
1	Made Ground		18.50		
2	Glacial Till		20.50		
3	Glaciofluvial Deposits		20.50		
4	Coal Measure		22.50		
5	Engineered Fill		19.50		

Soil parameters**Made Ground**

Unit weight : $\gamma = 18.00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 27.00^\circ$
 Cohesion of soil : $c_{ef} = 0.00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 18.50 \text{ kN/m}^3$

Glacial Till

Unit weight : $\gamma = 20.00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 30.00^\circ$
 Cohesion of soil : $c_{ef} = 0.00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 20.50 \text{ kN/m}^3$

Glaciofluvial Deposits

Unit weight : $\gamma = 20.00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 35.00^\circ$
 Cohesion of soil : $c_{ef} = 0.00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 20.50 \text{ kN/m}^3$

Coal Measure

Unit weight : $\gamma = 20.00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{ef} = 25.00^\circ$
 Cohesion of soil : $c_{ef} = 35.00 \text{ kPa}$
 Saturated unit weight : $\gamma_{sat} = 22.50 \text{ kN/m}^3$

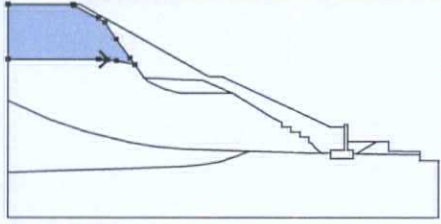
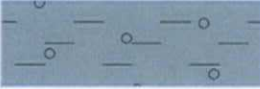
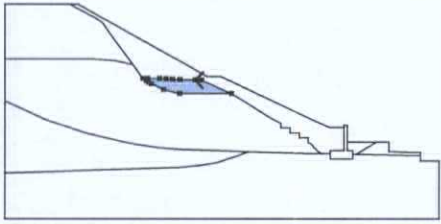
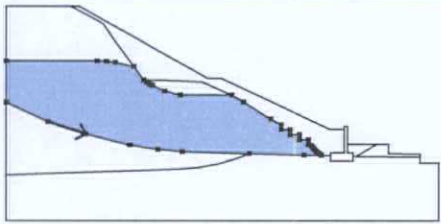
Engineered Fill

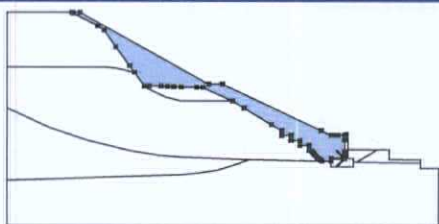
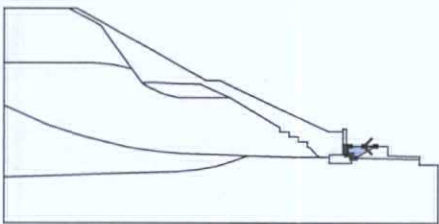
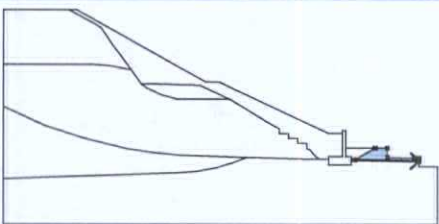
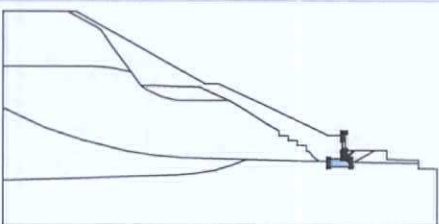
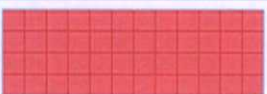
Unit weight : $\gamma = 19.00 \text{ kN/m}^3$
 Stress-state : effective
 Angle of internal friction : $\varphi_{\text{ef}} = 45.00^\circ$
 Cohesion of soil : $c_{\text{ef}} = 0.00 \text{ kPa}$
 Saturated unit weight : $\gamma_{\text{sat}} = 19.50 \text{ kN/m}^3$

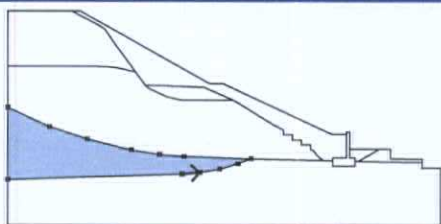
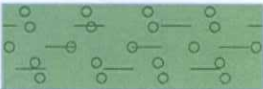
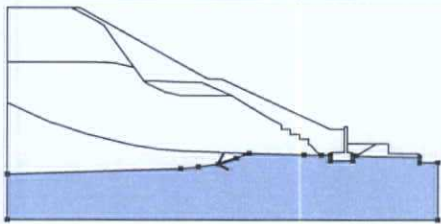
Rigid bodies

No.	Name	Sample	γ [kN/m ³]
1	Retaining Wall		25.00

Assigning and surfaces

No.	Surface position	Coordinates of surface points [m]				Assigned soil
		x	z	x	z	
1		9.94	12.46	10.98	12.42	Made Ground 
		11.94	12.31	13.97	11.87	
		13.43	12.60	11.91	14.66	
		10.65	16.49	9.93	16.96	
		7.26	18.37	7.14	18.44	
		7.11	18.46	0.00	18.50	
		0.00	12.46			
2		21.47	10.19	20.77	10.22	Engineered Fill 
		19.10	10.27	18.27	10.29	
		17.59	10.33	16.88	10.36	
		15.58	10.38	15.06	10.38	
		15.41	10.10	15.70	9.92	
		16.00	9.80	17.34	9.17	
		19.08	8.73	24.74	8.73	
3		4.57	5.82	8.71	4.45	Glacial Till 
		13.54	3.27	16.63	2.79	
		19.29	2.55	26.63	2.33	
		32.67	2.17	34.58	2.14	
		34.40	2.27	34.24	2.39	
		34.16	2.44	34.03	2.55	
		33.95	2.65	33.81	2.78	
		33.70	2.95	33.59	3.07	
		33.47	3.21	33.16	3.32	
		33.16	3.87	32.16	3.87	
		32.16	4.41	31.16	4.41	
		31.16	4.95	30.16	4.95	
		30.16	5.49	29.02	6.12	
		26.02	7.95	24.74	8.73	
		19.08	8.73	17.34	9.17	
		16.00	9.80	15.70	9.92	
		15.41	10.10	15.06	10.38	
		13.97	11.87	11.94	12.31	
		10.98	12.42	9.94	12.46	
		0.00	12.46	0.00	7.93	

No.	Surface position	Coordinates of surface points [m]				Assigned soil
		x	z	x	z	
4		35.58	2.42	37.08	2.42	Engineered Fill 
		37.08	2.89	37.08	3.17	
		37.08	4.48	37.08	4.97	
		36.33	4.97	35.87	4.97	
		35.58	4.97	34.48	5.49	
		23.62	10.56	22.12	10.56	
		8.00	18.46	7.11	18.46	
		7.14	18.44	7.26	18.37	
		9.93	16.96	10.65	16.49	
		11.91	14.66	13.43	12.60	
		13.97	11.87	15.06	10.38	
		15.58	10.38	16.88	10.36	
		17.59	10.33	18.27	10.29	
		19.10	10.27	20.77	10.22	
		21.47	10.19	24.74	8.73	
		26.02	7.95	29.02	6.12	
		30.16	5.49	30.16	4.95	
		31.16	4.95	31.16	4.41	
		32.16	4.41	32.16	3.87	
		33.16	3.87	33.16	3.32	
		33.47	3.21	33.59	3.07	
		33.70	2.95	33.81	2.78	
		33.95	2.65	34.03	2.55	
		34.16	2.44	34.24	2.39	
		34.40	2.27	34.58	2.14	
		35.58	2.12			
5		40.64	3.37	39.31	3.37	Engineered Fill 
		37.85	3.37	37.43	3.37	
		37.43	2.87	37.43	2.42	
		38.03	2.42	38.03	2.07	
		38.38	2.06			
6		38.38	2.06	45.41	1.94	Glacial Till 
		45.41	2.28	44.91	2.28	
		41.95	2.35	41.95	3.37	
		40.64	3.37			
7		38.03	2.42	37.43	2.42	Retaining Wall 
		37.43	2.87	37.43	3.37	
		37.43	5.27	37.08	5.27	
		37.08	4.97	37.08	4.48	
		37.08	3.17	37.08	2.89	
		37.08	2.42	35.58	2.42	
		35.58	2.12	35.58	1.52	
		38.03	1.52	38.03	2.07	

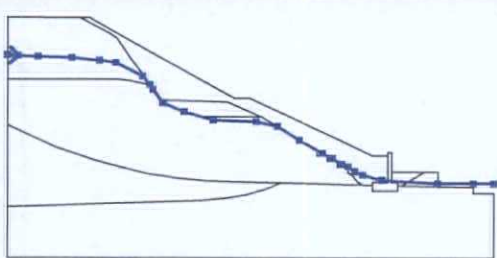
No.	Surface position	Coordinates of surface points [m]				Assigned soil
		x	z	x	z	
8		19.08	0.63	21.04	0.80	Glaciofluvial Deposits 
		23.20	1.16	25.20	1.78	
		26.63	2.33	19.29	2.55	
		16.63	2.79	13.54	3.27	
		8.71	4.45	4.57	5.82	
		0.00	7.93	0.00	0.00	
9		25.20	1.78	23.20	1.16	Coal Measure 
		21.04	0.80	19.08	0.63	
		0.00	0.00	0.00	-5.00	
		47.41	-5.00	47.41	1.33	
		45.41	1.32	45.41	1.94	
		38.38	2.06	38.03	2.07	
		38.03	1.52	35.58	1.52	
		35.58	2.12	34.58	2.14	
		32.67	2.17	26.63	2.33	

Surcharge

No.	Type	Type of action	Location z [m]	Origin x [m]	Length l [m]	Width b [m]	Slope α [°]	Magnitude	
1	strip	variable	on terrain	x = 0.00	l = 3.00		0.00	q, q ₁ , f, F	q ₂ unit
								10.00	kN/m ²

Water

Water type : GWT

No.	GWT location	Coordinates of GWT points [m]					
		x	z	x	z	x	z
1		0.00	14.83	1.05	14.79	2.99	14.70
		6.27	14.56	8.99	14.30	10.58	14.08
		13.16	12.75	13.88	11.92	14.17	11.42
		15.14	10.12	17.22	9.24	20.04	8.42
		24.22	8.26	26.31	7.81	28.46	6.45
		30.69	5.21	31.65	4.70	32.58	4.14
		33.19	3.90	33.85	3.44	34.62	3.09
		36.49	2.60	41.95	2.28	45.41	2.28
		47.41	2.28				

Settings of the stage of construction

Design situation : permanent

Results (Stage of construction 1)**Analysis 1 (stage 1)****Circular slip surface**

Slip surface parameters					
Center :	x =	30.38 [m]	Angles :	α_1 =	-57.71 [°]
	z =	34.68 [m]		α_2 =	11.70 [°]
Radius :	R =	30.34 [m]			
The slip surface after optimization.					

Segments restricting slip surface

No.	First point		Second point	
	x [m]	z [m]	x [m]	z [m]
1	10.60	18.24	8.96	15.62

The restrictions of points of circular slip surface**Slope stability verification (Morgenstern-Price)**

Utilization : 99.6 %

Slope stability ACCEPTABLE**Optimization of circular slip surface (Morgenstern-Price)**

No.	Center x [m]	z [m]	Radius R [m]	Utilization	Verification
1	32.53	40.68	35.86	99.1 %	ACCEPTABLE
2	32.53	40.68	35.86	99.1 %	ACCEPTABLE
3	32.53	40.68	35.86	99.1 %	ACCEPTABLE
4	32.49	37.54	37.48	83.9 %	ACCEPTABLE
5	16.47	22.87	16.85	69.2 %	ACCEPTABLE
6	28.01	25.11	28.58	72.0 %	ACCEPTABLE
7	63.99	92.51	92.17	2.4 %	ACCEPTABLE
8	36.79	26.46	25.61	68.8 %	ACCEPTABLE
9	46.01	75.06	72.79	34.9 %	ACCEPTABLE
10	17.28	25.17	18.34	74.5 %	ACCEPTABLE
11	32.53	40.68	35.86	99.1 %	ACCEPTABLE
12	22.00	32.68	26.00	87.1 %	ACCEPTABLE
13	86.96	181.07	184.27	12.1 %	ACCEPTABLE
14	34.79	45.81	44.07	3.9 %	ACCEPTABLE
15	20.65	29.00	22.99	83.9 %	ACCEPTABLE
16	29.00	30.80	31.31	80.3 %	ACCEPTABLE
17	24.59	21.66	14.72	78.1 %	ACCEPTABLE
18	52.48	65.77	64.27	9.4 %	ACCEPTABLE
19	30.12	17.74	19.49	64.5 %	ACCEPTABLE
20	29.95	17.39	19.32	63.2 %	ACCEPTABLE
21	37.06	32.65	30.71	2.4 %	ACCEPTABLE
22	23.81	20.05	13.52	77.6 %	ACCEPTABLE
23	46.19	75.38	73.15	21.6 %	ACCEPTABLE
24	22.66	34.52	27.59	87.9 %	ACCEPTABLE
25	155.77	374.93	388.92	65.0 %	ACCEPTABLE
26	32.53	40.68	35.86	99.1 %	ACCEPTABLE
27	29.22	48.48	41.72	91.6 %	ACCEPTABLE
28	52.01	109.82	104.99	69.3 %	ACCEPTABLE
29	54.85	102.34	100.08	17.1 %	ACCEPTABLE
30	19.69	22.84	19.97	74.0 %	ACCEPTABLE
31	34.68	49.30	46.24	27.2 %	ACCEPTABLE
32	24.17	34.88	29.03	90.8 %	ACCEPTABLE
33	29.23	34.97	33.38	11.5 %	ACCEPTABLE
34	25.90	19.25	17.38	73.1 %	ACCEPTABLE
35	41.50	67.23	63.88	22.8 %	ACCEPTABLE
36	26.53	41.23	34.78	92.1 %	ACCEPTABLE
37	32.53	40.68	35.86	99.1 %	ACCEPTABLE
38	31.59	48.78	42.63	94.2 %	ACCEPTABLE
39	39.17	68.12	62.25	76.9 %	ACCEPTABLE
40	48.13	79.54	76.77	19.1 %	ACCEPTABLE
41	23.26	27.53	23.48	87.1 %	ACCEPTABLE
42	35.41	48.44	45.18	26.7 %	ACCEPTABLE
43	26.84	36.66	31.11	95.0 %	ACCEPTABLE
44	30.97	37.55	35.02	27.3 %	ACCEPTABLE
45	27.09	23.63	20.59	89.9 %	ACCEPTABLE
46	24.22	21.01	17.25	82.0 %	ACCEPTABLE
47	32.34	30.63	27.97	17.7 %	ACCEPTABLE
48	26.20	25.17	20.19	91.2 %	ACCEPTABLE
49	30.44	26.68	24.69	26.3 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
50	28.08	29.14	23.49	94.2 %	ACCEPTABLE
51	40.32	60.43	57.09	22.9 %	ACCEPTABLE
52	28.96	42.07	36.12	95.4 %	ACCEPTABLE
53	32.53	40.68	35.86	99.1 %	ACCEPTABLE
54	32.38	46.99	41.28	96.2 %	ACCEPTABLE
55	32.50	39.13	33.43	87.2 %	ACCEPTABLE
56	58.55	100.35	99.20	15.8 %	ACCEPTABLE
57	35.77	55.35	49.65	87.3 %	ACCEPTABLE
58	44.33	67.30	64.28	20.6 %	ACCEPTABLE
59	26.00	31.27	26.74	93.9 %	ACCEPTABLE
60	36.06	48.06	44.72	26.4 %	ACCEPTABLE
61	28.72	37.98	32.66	96.8 %	ACCEPTABLE
62	32.57	39.95	36.93	26.5 %	ACCEPTABLE
63	31.21	36.33	30.72	96.0 %	ACCEPTABLE
64	28.26	27.60	23.85	94.6 %	ACCEPTABLE
65	26.23	25.47	21.19	92.1 %	ACCEPTABLE
66	33.63	35.26	32.14	19.1 %	ACCEPTABLE
67	28.00	29.34	24.34	94.8 %	ACCEPTABLE
68	31.66	31.14	28.41	27.1 %	ACCEPTABLE
69	36.34	40.90	37.56	22.1 %	ACCEPTABLE
70	29.49	32.59	27.21	96.4 %	ACCEPTABLE
71	39.53	56.14	52.81	20.9 %	ACCEPTABLE
72	30.39	42.10	36.53	97.1 %	ACCEPTABLE
73	32.53	40.68	35.86	99.1 %	ACCEPTABLE
74	32.66	45.27	39.87	97.2 %	ACCEPTABLE
75	32.69	39.98	34.58	96.7 %	ACCEPTABLE
76	38.69	58.42	53.47	85.3 %	ACCEPTABLE
77	34.40	49.46	44.01	95.9 %	ACCEPTABLE
78	34.83	48.72	43.81	19.7 %	ACCEPTABLE
79	28.04	34.12	29.41	97.1 %	ACCEPTABLE
80	32.02	41.67	37.04	23.3 %	ACCEPTABLE
81	30.04	38.94	33.80	97.0 %	ACCEPTABLE
82	30.13	36.92	32.69	23.2 %	ACCEPTABLE
83	31.78	37.95	32.62	96.9 %	ACCEPTABLE
84	36.45	46.93	41.97	17.8 %	ACCEPTABLE
85	34.69	44.43	38.98	85.0 %	ACCEPTABLE
86	33.77	40.70	35.88	19.0 %	ACCEPTABLE
87	29.31	30.97	26.80	97.9 %	ACCEPTABLE
88	27.92	29.38	24.83	96.0 %	ACCEPTABLE
89	31.23	34.79	30.38	21.2 %	ACCEPTABLE
90	29.40	32.66	27.70	96.1 %	ACCEPTABLE
91	29.86	31.60	27.58	22.4 %	ACCEPTABLE
92	32.44	37.59	32.94	97.7 %	ACCEPTABLE
93	30.52	35.16	29.99	96.8 %	ACCEPTABLE
94	33.34	44.99	40.19	22.3 %	ACCEPTABLE
95	31.27	41.91	36.61	97.3 %	ACCEPTABLE
96	32.53	40.68	35.86	99.1 %	ACCEPTABLE
97	32.77	43.97	38.78	97.2 %	ACCEPTABLE
98	32.77	40.43	35.25	96.7 %	ACCEPTABLE
99	36.22	51.24	46.27	96.0 %	ACCEPTABLE
100	33.74	46.27	41.04	96.9 %	ACCEPTABLE
101	34.05	45.91	41.02	96.5 %	ACCEPTABLE
102	29.52	36.24	31.46	98.5 %	ACCEPTABLE
103	32.17	41.31	36.61	98.7 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
104	30.94	39.62	34.61	97.1 %	ACCEPTABLE
105	30.81	37.98	33.52	22.5 %	ACCEPTABLE
106	32.14	39.02	33.88	97.0 %	ACCEPTABLE
107	35.08	44.69	39.75	18.0 %	ACCEPTABLE
108	33.97	43.14	37.90	95.0 %	ACCEPTABLE
109	33.36	40.69	35.87	19.6 %	ACCEPTABLE
110	30.18	33.67	29.25	97.5 %	ACCEPTABLE
111	29.28	32.57	27.91	97.8 %	ACCEPTABLE
112	31.61	36.62	32.05	22.7 %	ACCEPTABLE
113	30.44	35.18	30.27	98.6 %	ACCEPTABLE
114	30.52	34.08	29.74	99.2 %	ACCEPTABLE
115	30.92	36.93	32.33	98.6 %	ACCEPTABLE
116	31.19	34.38	29.77	97.5 %	ACCEPTABLE
117	38.09	48.52	45.15	22.6 %	ACCEPTABLE
118	31.68	38.69	33.97	98.9 %	ACCEPTABLE
119	36.01	43.97	40.63	23.8 %	ACCEPTABLE
120	28.60	31.52	27.51	97.7 %	ACCEPTABLE
121	33.89	39.32	36.13	19.9 %	ACCEPTABLE
122	29.69	34.07	29.73	98.5 %	ACCEPTABLE
123	32.56	36.42	33.41	27.7 %	ACCEPTABLE
124	30.67	33.24	28.73	97.1 %	ACCEPTABLE
125	36.81	42.28	38.91	22.1 %	ACCEPTABLE
126	31.99	36.16	31.42	97.8 %	ACCEPTABLE
127	35.18	38.89	35.59	23.3 %	ACCEPTABLE
128	28.97	29.06	25.27	95.6 %	ACCEPTABLE
129	28.57	28.61	24.71	95.9 %	ACCEPTABLE
130	33.22	34.81	31.72	24.6 %	ACCEPTABLE
131	29.48	30.62	26.41	98.0 %	ACCEPTABLE
132	32.16	32.61	29.71	27.0 %	ACCEPTABLE
133	34.16	36.76	33.55	25.8 %	ACCEPTABLE
134	30.06	31.90	27.53	97.5 %	ACCEPTABLE
135	34.90	41.54	38.25	26.3 %	ACCEPTABLE
136	30.30	35.47	30.99	98.2 %	ACCEPTABLE
137	30.52	34.08	29.74	99.2 %	ACCEPTABLE
138	30.78	35.95	31.43	98.2 %	ACCEPTABLE
139	30.97	34.31	29.77	97.5 %	ACCEPTABLE
140	31.42	37.75	32.98	98.8 %	ACCEPTABLE
141	31.23	37.00	32.40	98.5 %	ACCEPTABLE
142	30.59	35.70	31.13	98.3 %	ACCEPTABLE
143	29.23	32.35	28.22	98.4 %	ACCEPTABLE
144	29.88	33.97	29.61	98.3 %	ACCEPTABLE
145	29.97	34.08	29.74	98.9 %	ACCEPTABLE
146	29.23	32.35	28.22	98.4 %	ACCEPTABLE
147	30.62	33.51	29.06	97.0 %	ACCEPTABLE
148	31.22	35.10	30.42	98.1 %	ACCEPTABLE
149	31.45	35.39	30.77	97.9 %	ACCEPTABLE
150	30.49	33.35	28.86	97.1 %	ACCEPTABLE
151	29.43	30.57	26.59	96.9 %	ACCEPTABLE
152	29.17	30.27	26.22	97.2 %	ACCEPTABLE
153	29.79	31.70	27.44	98.4 %	ACCEPTABLE
154	29.83	31.74	27.49	98.4 %	ACCEPTABLE
155	29.21	30.32	26.28	97.3 %	ACCEPTABLE
156	30.14	32.52	28.14	97.5 %	ACCEPTABLE
157	30.22	32.62	28.26	98.2 %	ACCEPTABLE

No.	Center		z [m]	Radius R [m]	Utilization	Verification
	x [m]					
158	30.23		34.83	30.36	97.9 %	ACCEPTABLE
159	30.37		35.00	30.57	97.8 %	ACCEPTABLE
160	30.52		34.08	29.74	99.2 %	ACCEPTABLE
161	30.69		35.32	30.85	98.0 %	ACCEPTABLE
162	30.82		34.24	29.77	97.5 %	ACCEPTABLE
163	31.55		37.05	32.53	21.4 %	ACCEPTABLE
164	30.97		35.97	31.45	98.2 %	ACCEPTABLE
165	30.99		35.71	31.32	21.9 %	ACCEPTABLE
166	29.66		32.92	28.72	98.7 %	ACCEPTABLE
167	30.46		34.47	30.21	23.9 %	ACCEPTABLE
168	30.15		34.08	29.74	99.4 %	ACCEPTABLE
169	30.32		35.32	30.85	97.8 %	ACCEPTABLE
170	30.45		34.24	29.77	97.6 %	ACCEPTABLE
171	31.18		37.05	32.53	98.1 %	ACCEPTABLE
172	30.60		35.97	31.45	98.1 %	ACCEPTABLE
173	30.62		35.71	31.32	24.0 %	ACCEPTABLE
174	29.29		32.92	28.72	98.6 %	ACCEPTABLE
175	30.09		34.47	30.21	99.2 %	ACCEPTABLE
176	29.78		34.08	29.74	98.5 %	ACCEPTABLE
177	29.62		33.34	29.21	98.5 %	ACCEPTABLE
178	30.21		33.70	29.28	97.3 %	ACCEPTABLE
179	31.03		35.28	30.82	97.7 %	ACCEPTABLE
180	30.75		34.93	30.39	97.8 %	ACCEPTABLE
181	30.52		34.08	29.74	99.2 %	ACCEPTABLE
182	29.40		31.67	27.56	98.2 %	ACCEPTABLE
183	29.23		31.47	27.32	98.3 %	ACCEPTABLE
184	30.00		32.88	28.68	98.7 %	ACCEPTABLE
185	29.69		32.51	28.22	99.0 %	ACCEPTABLE
186	29.56		31.87	27.80	98.0 %	ACCEPTABLE
187	30.26		33.48	29.21	99.0 %	ACCEPTABLE
188	29.95		33.10	28.75	98.4 %	ACCEPTABLE
189	30.35		35.08	30.76	99.2 %	ACCEPTABLE
190	30.05		34.69	30.29	97.6 %	ACCEPTABLE
191	30.15		34.08	29.74	99.4 %	ACCEPTABLE
192	30.26		34.90	30.47	97.6 %	ACCEPTABLE
193	30.35		34.19	29.76	97.6 %	ACCEPTABLE
194	30.82		36.01	31.56	97.7 %	ACCEPTABLE
195	30.44		35.31	30.85	97.8 %	ACCEPTABLE
196	30.46		35.16	30.79	99.3 %	ACCEPTABLE
197	29.57		33.30	29.05	98.9 %	ACCEPTABLE
198	30.11		34.34	30.05	99.2 %	ACCEPTABLE
199	29.91		34.08	29.74	98.9 %	ACCEPTABLE
200	29.79		33.57	29.38	98.8 %	ACCEPTABLE
201	30.19		33.83	29.43	97.4 %	ACCEPTABLE
202	30.74		34.87	30.45	97.5 %	ACCEPTABLE
203	30.54		34.63	30.16	97.8 %	ACCEPTABLE
204	30.39		34.08	29.74	99.3 %	ACCEPTABLE
205	29.63		32.43	28.25	98.5 %	ACCEPTABLE
206	29.53		32.30	28.09	98.6 %	ACCEPTABLE
207	30.05		33.28	29.03	99.0 %	ACCEPTABLE
208	29.84		33.02	28.72	99.2 %	ACCEPTABLE
209	29.74		32.57	28.41	98.5 %	ACCEPTABLE
210	30.22		33.68	29.38	99.2 %	ACCEPTABLE
211	30.01		33.42	29.07	98.5 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
212	30.29	34.75	30.42	99.3 %	ACCEPTABLE
213	30.08	34.49	30.10	97.7 %	ACCEPTABLE
214	30.15	34.08	29.74	99.4 %	ACCEPTABLE
215	30.22	34.62	30.23	98.0 %	ACCEPTABLE
216	30.28	34.16	29.76	97.4 %	ACCEPTABLE
217	30.59	35.35	30.93	97.8 %	ACCEPTABLE
218	30.34	34.89	30.47	97.5 %	ACCEPTABLE
219	30.36	34.80	30.43	99.1 %	ACCEPTABLE
220	29.76	33.56	29.28	99.2 %	ACCEPTABLE
221	30.12	34.25	29.95	99.2 %	ACCEPTABLE
222	29.99	34.08	29.74	99.0 %	ACCEPTABLE
223	29.91	33.74	29.49	99.1 %	ACCEPTABLE
224	30.18	33.91	29.54	98.5 %	ACCEPTABLE
225	30.54	34.61	30.21	97.3 %	ACCEPTABLE
226	30.41	34.44	30.01	97.5 %	ACCEPTABLE
227	30.31	34.08	29.74	99.2 %	ACCEPTABLE
228	29.80	32.97	28.73	98.8 %	ACCEPTABLE
229	29.73	32.88	28.62	98.9 %	ACCEPTABLE
230	30.08	33.54	29.26	99.1 %	ACCEPTABLE
231	29.94	33.37	29.06	99.3 %	ACCEPTABLE
232	29.87	33.05	28.83	98.8 %	ACCEPTABLE
233	30.20	33.81	29.50	99.2 %	ACCEPTABLE
234	30.06	33.64	29.30	99.1 %	ACCEPTABLE
235	30.24	34.52	30.19	99.2 %	ACCEPTABLE
236	30.10	34.35	29.98	98.5 %	ACCEPTABLE
237	30.15	34.08	29.74	99.4 %	ACCEPTABLE
238	30.20	34.44	30.06	98.3 %	ACCEPTABLE
239	30.24	34.13	29.75	98.3 %	ACCEPTABLE
240	30.44	34.92	30.53	98.5 %	ACCEPTABLE
241	30.27	34.62	30.22	97.4 %	ACCEPTABLE
242	30.29	34.56	30.20	99.0 %	ACCEPTABLE
243	29.89	33.73	29.43	99.3 %	ACCEPTABLE
244	30.13	34.19	29.88	99.1 %	ACCEPTABLE
245	30.04	34.08	29.74	99.0 %	ACCEPTABLE
246	29.99	33.85	29.57	99.2 %	ACCEPTABLE
247	30.17	33.97	29.60	98.6 %	ACCEPTABLE
248	30.41	34.43	30.05	98.7 %	ACCEPTABLE
249	30.32	34.32	29.92	97.5 %	ACCEPTABLE
250	30.26	34.08	29.74	99.2 %	ACCEPTABLE
251	29.91	33.33	29.06	99.0 %	ACCEPTABLE
252	29.87	33.27	28.99	99.1 %	ACCEPTABLE
253	30.10	33.72	29.42	99.3 %	ACCEPTABLE
254	30.01	33.61	29.28	99.2 %	ACCEPTABLE
255	29.96	33.39	29.13	98.8 %	ACCEPTABLE
256	30.18	33.90	29.58	99.1 %	ACCEPTABLE
257	30.09	33.79	29.44	98.7 %	ACCEPTABLE
258	30.21	34.38	30.04	99.5 %	ACCEPTABLE
259	30.26	34.75	30.37	98.5 %	ACCEPTABLE
260	30.30	34.43	30.05	98.5 %	ACCEPTABLE
261	30.50	35.23	30.83	97.7 %	ACCEPTABLE
262	30.33	34.92	30.53	98.2 %	ACCEPTABLE
263	30.35	34.86	30.51	99.5 %	ACCEPTABLE
264	29.95	34.03	29.73	99.1 %	ACCEPTABLE
265	30.19	34.49	30.18	99.3 %	ACCEPTABLE

No.	Center		z [m]	Radius R [m]	Utilization	Verification
	x [m]					
266	30.10		34.38	30.04	99.3 %	ACCEPTABLE
267	30.04		34.15	29.87	99.1 %	ACCEPTABLE
268	30.23		34.27	29.90	98.8 %	ACCEPTABLE
269	30.47		34.74	30.36	98.9 %	ACCEPTABLE
270	30.38		34.62	30.22	97.6 %	ACCEPTABLE
271	30.32		34.38	30.04	99.4 %	ACCEPTABLE
272	29.97		33.62	29.35	99.0 %	ACCEPTABLE
273	29.93		33.56	29.28	99.1 %	ACCEPTABLE
274	30.16		34.02	29.72	99.1 %	ACCEPTABLE
275	30.07		33.90	29.58	99.1 %	ACCEPTABLE
276	30.02		33.68	29.42	99.0 %	ACCEPTABLE
277	30.24		34.20	29.88	99.3 %	ACCEPTABLE
278	30.15		34.08	29.74	99.4 %	ACCEPTABLE
279	30.27		34.68	30.34	99.5 %	ACCEPTABLE
280	30.32		35.05	30.67	98.6 %	ACCEPTABLE
281	30.36		34.74	30.36	98.7 %	ACCEPTABLE
282	30.56		35.54	31.14	97.7 %	ACCEPTABLE
283	30.39		35.23	30.83	97.8 %	ACCEPTABLE
284	30.41		35.16	30.81	99.5 %	ACCEPTABLE
285	30.01		34.32	30.02	99.1 %	ACCEPTABLE
286	30.25		34.80	30.48	99.3 %	ACCEPTABLE
287	30.16		34.68	30.34	99.3 %	ACCEPTABLE
288	30.10		34.44	30.16	99.2 %	ACCEPTABLE
289	30.29		34.57	30.20	98.9 %	ACCEPTABLE
290	30.53		35.04	30.66	99.1 %	ACCEPTABLE
291	30.44		34.93	30.53	97.4 %	ACCEPTABLE
292	30.38		34.68	30.34	99.6 %	ACCEPTABLE
293	30.43		35.05	30.67	98.8 %	ACCEPTABLE
294	30.47		34.74	30.36	98.9 %	ACCEPTABLE
295	30.67		35.54	31.14	98.0 %	ACCEPTABLE
296	30.50		35.23	30.83	97.7 %	ACCEPTABLE
297	30.52		35.16	30.81	99.4 %	ACCEPTABLE
298	30.12		34.32	30.02	99.2 %	ACCEPTABLE
299	30.36		34.80	30.48	99.2 %	ACCEPTABLE
300	30.27		34.68	30.34	99.5 %	ACCEPTABLE
301	30.21		34.44	30.16	99.1 %	ACCEPTABLE
302	30.40		34.57	30.20	99.1 %	ACCEPTABLE
303	30.64		35.04	30.66	99.2 %	ACCEPTABLE
304	30.55		34.93	30.53	97.6 %	ACCEPTABLE
305	30.49		34.68	30.34	99.4 %	ACCEPTABLE
306	30.14		33.91	29.64	99.2 %	ACCEPTABLE
307	30.09		33.86	29.57	99.1 %	ACCEPTABLE
308	30.33		34.32	30.02	24.2 %	ACCEPTABLE
309	30.24		34.20	29.88	99.3 %	ACCEPTABLE
310	30.19		33.97	29.71	99.1 %	ACCEPTABLE
311	30.41		34.50	30.18	99.3 %	ACCEPTABLE
312	30.32		34.38	30.04	99.4 %	ACCEPTABLE
313	30.44		34.98	30.64	99.4 %	ACCEPTABLE
314	30.35		34.86	30.50	99.1 %	ACCEPTABLE
315	30.38		34.68	30.34	99.6 %	ACCEPTABLE
316	30.41		34.92	30.56	99.5 %	ACCEPTABLE
317	30.44		34.72	30.35	99.2 %	ACCEPTABLE
318	30.58		35.25	30.87	99.1 %	ACCEPTABLE
319	30.46		35.04	30.67	99.3 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
320	30.47	35.00	30.65	99.4 %	ACCEPTABLE
321	30.21	34.44	30.13	99.3 %	ACCEPTABLE
322	30.37	34.76	30.43	99.2 %	ACCEPTABLE
323	30.31	34.68	30.34	99.4 %	ACCEPTABLE
324	30.27	34.52	30.22	99.1 %	ACCEPTABLE
325	30.39	34.60	30.25	99.5 %	ACCEPTABLE
326	30.55	34.92	30.55	99.4 %	ACCEPTABLE
327	30.49	34.84	30.46	98.9 %	ACCEPTABLE
328	30.45	34.68	30.34	99.3 %	ACCEPTABLE
329	30.22	34.17	29.87	99.3 %	ACCEPTABLE
330	30.19	34.13	29.82	99.3 %	ACCEPTABLE
331	30.35	34.44	30.12	99.1 %	ACCEPTABLE
332	30.29	34.36	30.03	99.4 %	ACCEPTABLE
333	30.25	34.21	29.92	99.1 %	ACCEPTABLE
334	30.40	34.56	30.23	99.3 %	ACCEPTABLE
335	30.34	34.48	30.14	99.4 %	ACCEPTABLE
336	30.42	34.88	30.54	99.3 %	ACCEPTABLE
337	30.36	34.80	30.45	99.5 %	ACCEPTABLE
338	30.38	34.68	30.34	99.6 %	ACCEPTABLE
339	30.40	34.84	30.49	99.5 %	ACCEPTABLE
340	30.42	34.71	30.35	99.5 %	ACCEPTABLE
341	30.51	35.06	30.69	99.3 %	ACCEPTABLE
342	30.43	34.92	30.56	99.5 %	ACCEPTABLE
343	30.44	34.89	30.55	99.4 %	ACCEPTABLE
344	30.26	34.52	30.20	99.3 %	ACCEPTABLE
345	30.37	34.73	30.40	99.3 %	ACCEPTABLE
346	30.33	34.68	30.34	99.4 %	ACCEPTABLE
347	30.31	34.57	30.26	99.2 %	ACCEPTABLE
348	30.39	34.63	30.28	99.4 %	ACCEPTABLE
349	30.50	34.84	30.48	99.4 %	ACCEPTABLE
350	30.46	34.79	30.42	99.2 %	ACCEPTABLE
351	30.43	34.68	30.34	99.3 %	ACCEPTABLE
352	30.27	34.34	30.03	99.4 %	ACCEPTABLE
353	30.25	34.31	29.99	99.3 %	ACCEPTABLE
354	30.36	34.52	30.20	99.2 %	ACCEPTABLE
355	30.32	34.47	30.13	99.4 %	ACCEPTABLE
356	30.29	34.36	30.06	99.1 %	ACCEPTABLE
357	30.39	34.60	30.27	99.2 %	ACCEPTABLE
358	30.35	34.55	30.21	99.5 %	ACCEPTABLE
359	30.41	34.81	30.47	99.3 %	ACCEPTABLE
360	30.37	34.76	30.41	99.4 %	ACCEPTABLE
361	30.38	34.68	30.34	99.6 %	ACCEPTABLE
362	30.39	34.79	30.44	99.5 %	ACCEPTABLE
363	30.41	34.70	30.34	99.4 %	ACCEPTABLE
364	30.47	34.93	30.57	99.4 %	ACCEPTABLE
365	30.42	34.84	30.48	99.2 %	ACCEPTABLE
366	30.42	34.82	30.48	99.6 %	ACCEPTABLE
367	30.30	34.57	30.25	99.5 %	ACCEPTABLE
368	30.37	34.71	30.38	99.5 %	ACCEPTABLE
369	30.35	34.68	30.34	99.4 %	ACCEPTABLE
370	30.33	34.61	30.29	99.2 %	ACCEPTABLE
371	30.39	34.65	30.30	99.6 %	ACCEPTABLE
372	30.46	34.79	30.44	99.6 %	ACCEPTABLE
373	30.43	34.75	30.39	99.2 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
374	30.41	34.68	30.34	99.5 %	ACCEPTABLE
375	30.31	34.45	30.13	99.1 %	ACCEPTABLE
376	30.29	34.43	30.11	99.3 %	ACCEPTABLE
377	30.37	34.57	30.24	99.2 %	ACCEPTABLE
378	30.34	34.54	30.20	99.4 %	ACCEPTABLE
379	30.32	34.47	30.15	99.2 %	ACCEPTABLE
380	30.39	34.63	30.29	99.2 %	ACCEPTABLE
381	30.36	34.59	30.25	99.5 %	ACCEPTABLE
382	30.40	34.77	30.43	99.5 %	ACCEPTABLE
383	30.37	34.73	30.39	99.6 %	ACCEPTABLE
384	97.39	207.79	212.78	12.2 %	ACCEPTABLE
385	21.32	20.25	21.19	62.9 %	ACCEPTABLE
386	52.19	92.29	90.27	19.8 %	ACCEPTABLE
387	17.24	24.71	18.14	73.8 %	ACCEPTABLE
388	38.51	65.73	60.81	19.1 %	ACCEPTABLE
389	20.81	18.91	20.61	58.4 %	ACCEPTABLE
390	27.40	36.35	32.54	95.4 %	ACCEPTABLE
391	29.64	27.89	30.90	75.9 %	ACCEPTABLE
392	15.10	18.62	14.90	54.6 %	ACCEPTABLE
393	27.13	21.29	27.07	65.0 %	ACCEPTABLE
394	38.52	51.27	50.42	86.8 %	ACCEPTABLE
395	15.90	20.90	15.88	63.4 %	ACCEPTABLE
396	86.70	195.58	197.10	67.6 %	ACCEPTABLE
397	27.40	36.34	32.53	95.2 %	ACCEPTABLE
398	18.87	23.78	19.41	74.9 %	ACCEPTABLE
399	24.33	26.55	19.61	90.5 %	ACCEPTABLE
400	30.22	54.83	47.13	74.9 %	ACCEPTABLE
401	43.53	68.48	66.15	22.6 %	ACCEPTABLE
402	29.73	32.52	32.69	82.0 %	ACCEPTABLE
403	18.48	22.71	18.76	72.0 %	ACCEPTABLE
404	26.75	24.77	27.28	72.5 %	ACCEPTABLE
405	20.98	19.31	14.54	74.6 %	ACCEPTABLE
406	39.77	44.61	42.35	5.4 %	ACCEPTABLE
407	28.53	19.65	22.10	68.0 %	ACCEPTABLE
408	33.28	30.20	29.27	84.3 %	ACCEPTABLE
409	21.07	19.51	14.65	75.4 %	ACCEPTABLE
410	35.22	46.84	45.06	4.0 %	ACCEPTABLE
411	19.67	25.96	20.85	79.5 %	ACCEPTABLE
412	27.40	36.34	32.53	95.2 %	ACCEPTABLE
413	22.93	31.20	26.04	88.5 %	ACCEPTABLE
414	26.37	31.93	25.79	94.8 %	ACCEPTABLE
415	55.96	105.46	103.30	17.9 %	ACCEPTABLE
416	28.42	45.95	39.37	92.1 %	ACCEPTABLE
417	36.13	53.05	49.85	26.2 %	ACCEPTABLE
418	18.51	19.31	18.33	55.1 %	ACCEPTABLE
419	29.13	34.55	33.08	10.0 %	ACCEPTABLE
420	21.11	26.29	22.31	81.9 %	ACCEPTABLE
421	26.43	27.40	27.70	6.7 %	ACCEPTABLE
422	23.80	25.91	20.80	89.8 %	ACCEPTABLE
423	44.87	64.49	61.30	17.6 %	ACCEPTABLE
424	32.06	45.23	38.50	79.7 %	ACCEPTABLE
425	34.91	40.86	37.86	25.5 %	ACCEPTABLE
426	23.43	19.30	19.07	66.8 %	ACCEPTABLE
427	28.52	25.73	25.22	5.8 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
428	21.59	20.75	17.37	76.9 %	ACCEPTABLE
429	27.00	22.11	22.91	11.4 %	ACCEPTABLE
430	31.46	32.68	30.58	19.7 %	ACCEPTABLE
431	22.93	23.88	19.33	85.7 %	ACCEPTABLE
432	32.29	42.90	40.31	41.4 %	ACCEPTABLE
433	22.29	29.48	24.67	86.7 %	ACCEPTABLE
434	27.40	36.34	32.53	95.2 %	ACCEPTABLE
435	24.95	34.19	29.31	91.7 %	ACCEPTABLE
436	27.13	34.28	28.86	96.0 %	ACCEPTABLE
437	24.10	36.79	30.10	89.9 %	ACCEPTABLE
438	26.29	31.14	24.13	92.9 %	ACCEPTABLE
439	29.26	50.83	43.47	88.9 %	ACCEPTABLE
440	34.69	55.63	50.68	95.5 %	ACCEPTABLE
441	19.40	24.02	19.98	76.0 %	ACCEPTABLE
442	28.80	40.03	35.79	97.2 %	ACCEPTABLE
443	26.50	38.34	32.94	94.0 %	ACCEPTABLE
444	28.68	38.07	32.30	96.3 %	ACCEPTABLE
445	30.10	47.92	41.95	94.1 %	ACCEPTABLE
446	36.96	55.48	52.14	24.5 %	ACCEPTABLE
447	21.56	25.22	22.40	80.4 %	ACCEPTABLE
448	30.80	39.78	37.28	27.6 %	ACCEPTABLE
449	23.96	31.59	27.13	89.6 %	ACCEPTABLE
450	28.04	32.74	31.27	29.2 %	ACCEPTABLE
451	26.59	32.97	27.68	95.4 %	ACCEPTABLE
452	43.24	63.86	60.65	20.3 %	ACCEPTABLE
453	32.46	47.28	41.20	94.5 %	ACCEPTABLE
454	35.59	45.74	42.49	38.2 %	ACCEPTABLE
455	24.86	24.83	22.77	81.0 %	ACCEPTABLE
456	22.17	22.19	19.52	79.0 %	ACCEPTABLE
457	30.03	32.58	30.49	28.6 %	ACCEPTABLE
458	24.02	26.70	22.57	88.1 %	ACCEPTABLE
459	28.10	28.01	26.86	14.6 %	ACCEPTABLE
460	32.55	38.54	35.72	26.1 %	ACCEPTABLE
461	25.32	29.88	25.07	92.7 %	ACCEPTABLE
462	33.55	46.79	43.74	28.1 %	ACCEPTABLE
463	25.25	35.02	30.01	92.5 %	ACCEPTABLE
464	28.80	40.03	35.79	97.2 %	ACCEPTABLE
465	27.58	39.59	34.56	94.6 %	ACCEPTABLE
466	28.98	39.24	33.98	96.7 %	ACCEPTABLE
467	29.66	45.06	39.66	95.7 %	ACCEPTABLE
468	35.55	52.06	48.74	27.4 %	ACCEPTABLE
469	23.64	29.17	25.76	87.5 %	ACCEPTABLE
470	31.33	41.56	38.74	27.6 %	ACCEPTABLE
471	25.55	34.21	29.82	93.2 %	ACCEPTABLE
472	29.03	35.84	33.64	29.9 %	ACCEPTABLE
473	27.52	35.60	30.67	95.4 %	ACCEPTABLE
474	39.25	56.60	53.25	23.2 %	ACCEPTABLE
475	31.00	44.29	38.77	96.9 %	ACCEPTABLE
476	34.66	45.73	42.48	25.5 %	ACCEPTABLE
477	25.76	28.63	25.77	91.6 %	ACCEPTABLE
478	23.91	26.57	23.28	86.9 %	ACCEPTABLE
479	30.74	36.44	33.83	27.4 %	ACCEPTABLE
480	25.50	30.55	26.36	92.7 %	ACCEPTABLE
481	28.91	32.11	30.10	27.5 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
482	32.56	40.76	37.76	28.4 %	ACCEPTABLE
483	26.50	33.05	28.44	94.9 %	ACCEPTABLE
484	33.28	46.41	43.28	26.7 %	ACCEPTABLE
485	26.55	36.87	32.13	93.3 %	ACCEPTABLE
486	28.80	40.03	35.79	97.2 %	ACCEPTABLE
487	28.20	40.14	35.39	95.9 %	ACCEPTABLE
488	29.10	39.83	34.92	96.9 %	ACCEPTABLE
489	31.73	48.31	43.39	97.2 %	ACCEPTABLE
490	29.45	43.43	38.44	95.2 %	ACCEPTABLE
491	29.52	42.14	37.67	96.4 %	ACCEPTABLE
492	25.24	32.35	28.62	91.4 %	ACCEPTABLE
493	28.01	37.90	33.91	96.2 %	ACCEPTABLE
494	26.69	36.16	31.84	94.0 %	ACCEPTABLE
495	26.70	34.23	30.82	93.4 %	ACCEPTABLE
496	28.11	37.30	32.63	96.6 %	ACCEPTABLE
497	31.35	44.38	39.55	98.1 %	ACCEPTABLE
498	30.89	48.20	42.70	95.6 %	ACCEPTABLE
499	31.34	43.65	38.13	97.1 %	ACCEPTABLE
500	37.83	63.99	59.03	94.4 %	ACCEPTABLE
501	32.82	53.27	47.67	94.8 %	ACCEPTABLE
502	33.79	53.11	48.22	21.5 %	ACCEPTABLE
503	26.58	36.81	32.10	93.8 %	ACCEPTABLE
504	31.08	45.79	41.20	96.9 %	ACCEPTABLE
505	28.59	42.11	36.92	95.1 %	ACCEPTABLE
506	29.07	40.37	36.21	26.3 %	ACCEPTABLE
507	30.20	40.87	35.47	97.2 %	ACCEPTABLE
508	35.68	51.95	46.99	19.3 %	ACCEPTABLE
509	33.13	48.03	42.42	96.2 %	ACCEPTABLE
510	32.79	44.69	39.91	98.5 %	ACCEPTABLE
511	34.39	52.03	47.01	96.4 %	ACCEPTABLE
512	34.39	46.24	41.21	96.9 %	ACCEPTABLE
513	36.47	57.29	52.27	95.6 %	ACCEPTABLE
514	42.24	65.34	62.12	22.1 %	ACCEPTABLE
515	29.08	38.63	34.19	96.9 %	ACCEPTABLE
516	37.04	52.79	49.42	26.5 %	ACCEPTABLE
517	31.37	44.40	39.57	98.2 %	ACCEPTABLE
518	34.22	45.98	42.77	27.7 %	ACCEPTABLE
519	33.24	43.54	38.57	97.0 %	ACCEPTABLE
520	44.03	62.90	59.85	19.4 %	ACCEPTABLE
521	36.69	51.62	46.60	89.6 %	ACCEPTABLE
522	39.61	52.96	49.62	22.0 %	ACCEPTABLE
523	29.51	34.04	29.94	98.2 %	ACCEPTABLE
524	28.83	33.21	28.94	97.7 %	ACCEPTABLE
525	35.25	43.16	39.87	24.4 %	ACCEPTABLE
526	30.54	37.20	32.53	98.6 %	ACCEPTABLE
527	29.89	40.08	34.73	97.3 %	ACCEPTABLE
528	30.33	36.10	30.72	97.2 %	ACCEPTABLE
529	35.71	52.00	47.04	20.7 %	ACCEPTABLE
530	31.37	43.70	38.18	97.2 %	ACCEPTABLE
531	32.62	44.24	39.48	98.7 %	ACCEPTABLE
532	34.15	51.39	46.37	96.4 %	ACCEPTABLE
533	34.18	45.72	40.71	96.8 %	ACCEPTABLE
534	48.43	80.23	77.57	19.6 %	ACCEPTABLE
535	36.18	56.54	51.51	95.7 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
536	41.86	64.38	61.14	23.9 %	ACCEPTABLE
537	28.96	38.30	33.89	96.9 %	ACCEPTABLE
538	36.81	52.21	48.85	26.4 %	ACCEPTABLE
539	31.21	43.97	39.17	98.2 %	ACCEPTABLE
540	34.05	45.54	42.35	26.0 %	ACCEPTABLE
541	33.05	43.07	38.12	96.9 %	ACCEPTABLE
542	43.62	61.96	58.86	21.0 %	ACCEPTABLE
543	36.41	50.95	45.93	91.1 %	ACCEPTABLE
544	39.32	52.30	48.95	23.8 %	ACCEPTABLE
545	29.41	33.78	29.72	23.5 %	ACCEPTABLE
546	28.74	32.95	28.72	97.9 %	ACCEPTABLE
547	35.08	42.75	39.48	26.1 %	ACCEPTABLE
548	30.41	36.88	32.25	98.4 %	ACCEPTABLE
549	33.13	38.37	35.33	20.3 %	ACCEPTABLE
550	37.02	47.11	43.75	18.3 %	ACCEPTABLE
551	31.66	39.80	34.97	99.0 %	ACCEPTABLE
552	31.27	43.43	37.92	97.2 %	ACCEPTABLE
553	31.50	38.72	33.21	97.2 %	ACCEPTABLE
554	37.73	57.06	52.10	95.2 %	ACCEPTABLE
555	32.93	47.49	41.89	96.3 %	ACCEPTABLE
556	34.04	47.81	42.92	96.6 %	ACCEPTABLE
557	27.11	33.24	28.52	95.7 %	ACCEPTABLE
558	31.37	41.08	36.49	98.3 %	ACCEPTABLE
559	28.98	37.82	32.62	96.7 %	ACCEPTABLE
560	29.53	36.46	32.29	98.3 %	ACCEPTABLE
561	30.60	36.67	31.26	97.3 %	ACCEPTABLE
562	35.65	46.05	41.10	17.5 %	ACCEPTABLE
563	33.27	42.70	37.09	89.6 %	ACCEPTABLE
564	33.07	40.05	35.27	98.3 %	ACCEPTABLE
565	28.63	30.50	26.36	97.6 %	ACCEPTABLE
566	27.08	28.73	24.19	95.4 %	ACCEPTABLE
567	30.64	34.38	30.02	99.4 %	ACCEPTABLE
568	31.11	38.54	33.78	98.9 %	ACCEPTABLE
569	31.47	34.56	29.78	97.5 %	ACCEPTABLE
570	40.81	55.62	52.33	20.5 %	ACCEPTABLE
571	32.46	41.69	36.77	97.6 %	ACCEPTABLE
572	37.08	47.24	43.87	23.5 %	ACCEPTABLE
573	27.63	30.39	26.52	96.1 %	ACCEPTABLE
574	33.84	39.96	36.81	27.0 %	ACCEPTABLE
575	29.25	34.18	29.78	97.4 %	ACCEPTABLE
576	31.96	35.74	32.91	26.3 %	ACCEPTABLE
577	30.72	32.93	28.28	97.1 %	ACCEPTABLE
578	32.88	37.61	32.66	95.2 %	ACCEPTABLE
579	35.76	39.28	35.98	23.9 %	ACCEPTABLE
580	28.46	27.23	23.72	94.2 %	ACCEPTABLE
581	27.72	26.44	22.74	93.5 %	ACCEPTABLE
582	32.89	33.29	30.33	24.4 %	ACCEPTABLE
583	28.95	29.11	24.92	97.1 %	ACCEPTABLE
584	31.54	30.48	27.85	25.2 %	ACCEPTABLE
585	34.24	36.10	32.94	25.1 %	ACCEPTABLE
586	29.81	30.96	26.52	96.2 %	ACCEPTABLE
587	35.35	43.35	40.06	24.3 %	ACCEPTABLE
588	30.15	36.29	31.69	98.2 %	ACCEPTABLE
589	30.64	34.38	30.02	99.4 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
590	31.06	37.29	32.67	98.4 %	ACCEPTABLE
591	31.32	34.70	30.07	97.6 %	ACCEPTABLE
592	38.32	49.08	45.72	21.5 %	ACCEPTABLE
593	31.83	39.07	34.33	99.0 %	ACCEPTABLE
594	36.20	44.44	41.09	23.7 %	ACCEPTABLE
595	28.70	31.78	27.75	97.9 %	ACCEPTABLE
596	34.04	39.70	36.49	25.1 %	ACCEPTABLE
597	29.81	34.37	30.01	98.0 %	ACCEPTABLE
598	32.70	36.75	33.72	20.5 %	ACCEPTABLE
599	30.80	33.54	29.01	97.3 %	ACCEPTABLE
600	37.00	42.73	39.36	23.7 %	ACCEPTABLE
601	32.14	36.51	31.76	97.7 %	ACCEPTABLE
602	35.35	39.28	35.97	24.8 %	ACCEPTABLE
603	29.07	29.29	25.48	95.9 %	ACCEPTABLE
604	28.67	28.84	24.92	96.0 %	ACCEPTABLE
605	33.36	35.12	32.02	24.5 %	ACCEPTABLE
606	29.59	30.88	26.65	98.0 %	ACCEPTABLE
607	32.28	32.89	29.97	20.0 %	ACCEPTABLE
608	34.31	37.11	33.89	17.5 %	ACCEPTABLE
609	30.18	32.18	27.79	97.0 %	ACCEPTABLE
610	35.07	41.95	38.66	24.4 %	ACCEPTABLE
611	30.43	35.80	31.30	97.9 %	ACCEPTABLE
612	30.64	34.38	30.02	99.4 %	ACCEPTABLE
613	30.91	36.29	31.75	98.3 %	ACCEPTABLE
614	31.10	34.62	30.07	97.4 %	ACCEPTABLE
615	31.55	38.10	33.31	98.8 %	ACCEPTABLE
616	31.37	37.35	32.73	98.3 %	ACCEPTABLE
617	30.71	36.01	31.42	98.2 %	ACCEPTABLE
618	29.34	32.63	28.48	98.3 %	ACCEPTABLE
619	29.99	34.25	29.87	97.9 %	ACCEPTABLE
620	30.09	34.38	30.02	98.5 %	ACCEPTABLE
621	29.33	32.61	28.46	98.3 %	ACCEPTABLE
622	30.74	33.82	29.34	97.4 %	ACCEPTABLE
623	31.34	35.42	30.71	98.1 %	ACCEPTABLE
624	31.59	35.73	31.09	97.8 %	ACCEPTABLE
625	30.60	33.64	29.13	97.2 %	ACCEPTABLE
626	29.53	30.82	26.82	97.1 %	ACCEPTABLE
627	29.28	30.52	26.45	97.4 %	ACCEPTABLE
628	29.90	31.96	27.68	98.6 %	ACCEPTABLE
629	29.94	32.01	27.74	98.5 %	ACCEPTABLE
630	29.31	30.56	26.50	97.5 %	ACCEPTABLE
631	30.25	32.79	28.39	96.8 %	ACCEPTABLE
632	30.33	32.90	28.52	98.0 %	ACCEPTABLE
633	30.35	35.13	30.64	98.1 %	ACCEPTABLE
634	30.49	35.32	30.86	97.9 %	ACCEPTABLE
635	30.64	34.38	30.02	99.4 %	ACCEPTABLE
636	30.81	35.64	31.16	97.8 %	ACCEPTABLE
637	30.95	34.55	30.06	97.6 %	ACCEPTABLE
638	31.68	37.39	32.86	22.9 %	ACCEPTABLE
639	31.10	36.30	31.76	98.0 %	ACCEPTABLE
640	31.11	36.03	31.62	21.8 %	ACCEPTABLE
641	29.77	33.20	28.98	98.9 %	ACCEPTABLE
642	30.58	34.77	30.48	23.8 %	ACCEPTABLE
643	30.27	34.38	30.02	99.1 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
644	30.10	33.62	29.47	22.6 %	ACCEPTABLE
645	30.71	34.00	29.57	97.1 %	ACCEPTABLE
646	31.53	35.60	31.12	21.0 %	ACCEPTABLE
647	31.25	35.25	30.69	97.8 %	ACCEPTABLE
648	31.01	34.38	30.02	23.1 %	ACCEPTABLE
649	29.87	31.93	27.80	97.9 %	ACCEPTABLE
650	29.71	31.73	27.56	98.1 %	ACCEPTABLE
651	30.48	33.16	28.94	22.0 %	ACCEPTABLE
652	30.17	32.79	28.48	99.0 %	ACCEPTABLE
653	30.04	32.13	28.04	22.3 %	ACCEPTABLE
654	30.74	33.77	29.48	23.3 %	ACCEPTABLE
655	30.44	33.39	29.02	98.8 %	ACCEPTABLE
656	30.84	35.39	31.05	23.7 %	ACCEPTABLE
657	30.54	35.00	30.58	97.5 %	ACCEPTABLE
658	30.64	34.38	30.02	99.4 %	ACCEPTABLE
659	30.75	35.22	30.77	97.8 %	ACCEPTABLE
660	30.84	34.50	30.05	97.4 %	ACCEPTABLE
661	31.32	36.34	31.86	21.4 %	ACCEPTABLE
662	30.93	35.64	31.15	97.9 %	ACCEPTABLE
663	30.95	35.48	31.08	98.2 %	ACCEPTABLE
664	30.06	33.59	29.32	99.1 %	ACCEPTABLE
665	30.60	34.64	30.33	99.0 %	ACCEPTABLE
666	30.40	34.38	30.02	99.1 %	ACCEPTABLE
667	30.27	33.86	29.64	98.5 %	ACCEPTABLE
668	30.68	34.13	29.72	97.3 %	ACCEPTABLE
669	31.23	35.19	30.75	22.9 %	ACCEPTABLE
670	31.04	34.95	30.45	97.6 %	ACCEPTABLE
671	30.88	34.38	30.02	21.8 %	ACCEPTABLE
672	30.12	32.71	28.50	98.4 %	ACCEPTABLE
673	30.01	32.58	28.34	98.6 %	ACCEPTABLE
674	30.53	33.56	29.29	23.6 %	ACCEPTABLE
675	30.33	33.31	28.99	98.8 %	ACCEPTABLE
676	30.22	32.84	28.66	22.3 %	ACCEPTABLE
677	30.71	33.97	29.66	23.5 %	ACCEPTABLE
678	30.50	33.72	29.35	99.0 %	ACCEPTABLE
679	30.78	35.05	30.70	23.7 %	ACCEPTABLE
680	30.57	34.79	30.39	97.6 %	ACCEPTABLE
681	30.64	34.38	30.02	99.4 %	ACCEPTABLE
682	30.72	34.93	30.52	97.5 %	ACCEPTABLE
683	30.78	34.46	30.04	97.2 %	ACCEPTABLE
684	31.09	35.67	31.23	97.6 %	ACCEPTABLE
685	30.83	35.21	30.76	97.6 %	ACCEPTABLE
686	30.85	35.11	30.72	21.9 %	ACCEPTABLE
687	30.25	33.85	29.55	99.0 %	ACCEPTABLE
688	30.61	34.55	30.23	99.3 %	ACCEPTABLE
689	30.48	34.38	30.02	99.3 %	ACCEPTABLE
690	30.39	34.03	29.76	22.3 %	ACCEPTABLE
691	30.67	34.21	29.82	98.7 %	ACCEPTABLE
692	31.03	34.92	30.50	97.3 %	ACCEPTABLE
693	30.90	34.75	30.30	97.4 %	ACCEPTABLE
694	30.80	34.38	30.02	99.0 %	ACCEPTABLE
695	30.28	33.25	28.99	98.6 %	ACCEPTABLE
696	30.21	33.16	28.88	98.8 %	ACCEPTABLE
697	30.57	33.83	29.53	22.0 %	ACCEPTABLE

No.	Center		z [m]	Radius R [m]	Utilization	Verification
	x [m]	y [m]				
698	30.43		33.66	29.33	99.0 %	ACCEPTABLE
699	30.36		33.34	29.09	98.7 %	ACCEPTABLE
700	30.69		34.11	29.78	98.8 %	ACCEPTABLE
701	30.55		33.94	29.57	99.2 %	ACCEPTABLE
702	30.73		34.83	30.47	99.4 %	ACCEPTABLE
703	30.60		34.66	30.27	98.7 %	ACCEPTABLE
704	30.64		34.38	30.02	99.4 %	ACCEPTABLE
705	30.69		34.75	30.35	97.6 %	ACCEPTABLE
706	30.73		34.43	30.03	97.8 %	ACCEPTABLE
707	30.94		35.23	30.82	97.6 %	ACCEPTABLE
708	30.77		34.93	30.51	97.6 %	ACCEPTABLE
709	30.78		34.86	30.49	22.0 %	ACCEPTABLE
710	30.38		34.03	29.71	99.1 %	ACCEPTABLE
711	30.62		34.49	30.16	99.3 %	ACCEPTABLE
712	30.53		34.38	30.02	99.3 %	ACCEPTABLE
713	30.47		34.14	29.85	22.2 %	ACCEPTABLE
714	30.66		34.27	29.88	98.7 %	ACCEPTABLE
715	30.90		34.74	30.34	21.7 %	ACCEPTABLE
716	30.81		34.63	30.21	97.3 %	ACCEPTABLE
717	30.75		34.38	30.02	99.3 %	ACCEPTABLE
718	30.40		33.62	29.32	98.8 %	ACCEPTABLE
719	30.35		33.56	29.26	99.1 %	ACCEPTABLE
720	30.59		34.01	29.69	22.0 %	ACCEPTABLE
721	30.50		33.90	29.56	99.2 %	ACCEPTABLE
722	30.45		33.68	29.39	98.9 %	ACCEPTABLE
723	30.67		34.20	29.86	99.2 %	ACCEPTABLE
724	30.58		34.08	29.72	99.3 %	ACCEPTABLE
725	30.70		34.68	30.32	99.3 %	ACCEPTABLE
726	30.61		34.56	30.18	99.1 %	ACCEPTABLE
727	30.64		34.38	30.02	99.4 %	ACCEPTABLE
728	30.67		34.63	30.24	98.8 %	ACCEPTABLE
729	30.70		34.42	30.03	98.8 %	ACCEPTABLE
730	30.84		34.94	30.55	21.9 %	ACCEPTABLE
731	30.72		34.74	30.34	97.6 %	ACCEPTABLE
732	30.73		34.70	30.33	99.3 %	ACCEPTABLE
733	30.47		34.14	29.81	99.3 %	ACCEPTABLE
734	30.63		34.46	30.11	99.2 %	ACCEPTABLE
735	30.57		34.38	30.02	99.4 %	ACCEPTABLE
736	30.53		34.22	29.90	99.1 %	ACCEPTABLE
737	30.65		34.30	29.93	99.4 %	ACCEPTABLE
738	30.81		34.62	30.23	21.9 %	ACCEPTABLE
739	30.75		34.54	30.14	97.7 %	ACCEPTABLE
740	30.71		34.38	30.02	99.2 %	ACCEPTABLE
741	30.48		33.87	29.55	23.8 %	ACCEPTABLE
742	30.45		33.83	29.51	22.1 %	ACCEPTABLE
743	30.61		34.14	29.80	99.1 %	ACCEPTABLE
744	30.55		34.06	29.71	99.3 %	ACCEPTABLE
745	30.51		33.91	29.60	22.2 %	ACCEPTABLE
746	30.66		34.26	29.91	99.2 %	ACCEPTABLE
747	30.60		34.18	29.82	99.4 %	ACCEPTABLE
748	30.68		34.58	30.22	99.3 %	ACCEPTABLE
749	30.62		34.50	30.13	99.4 %	ACCEPTABLE
750	30.64		34.38	30.02	99.4 %	ACCEPTABLE
751	30.66		34.54	30.17	99.5 %	ACCEPTABLE

No.	Center		Radius R [m]	Utilization	Verification
	x [m]	z [m]			
752	30.68	34.70	30.32	99.2 %	ACCEPTABLE
753	30.70	34.57	30.18	98.8 %	ACCEPTABLE
754	30.79	34.92	30.52	23.5 %	ACCEPTABLE
755	30.72	34.78	30.39	98.9 %	ACCEPTABLE
756	30.72	34.76	30.38	99.3 %	ACCEPTABLE
757	30.54	34.38	30.03	99.4 %	ACCEPTABLE
758	30.65	34.59	30.23	99.2 %	ACCEPTABLE
759	30.61	34.54	30.17	99.4 %	ACCEPTABLE
760	30.58	34.43	30.09	99.1 %	ACCEPTABLE
761	30.67	34.49	30.11	99.2 %	ACCEPTABLE
762	30.78	34.70	30.31	23.5 %	ACCEPTABLE
763	30.74	34.65	30.25	97.9 %	ACCEPTABLE
764	30.71	34.54	30.17	99.3 %	ACCEPTABLE
765	30.55	34.19	29.85	99.4 %	ACCEPTABLE
766	30.53	34.17	29.82	99.2 %	ACCEPTABLE
767	30.64	34.38	30.02	99.4 %	ACCEPTABLE
768	30.60	34.33	29.96	99.3 %	ACCEPTABLE
769	30.57	34.22	29.88	99.4 %	ACCEPTABLE
770	30.67	34.46	30.10	99.3 %	ACCEPTABLE
771	30.63	34.41	30.04	99.5 %	ACCEPTABLE
772	30.65	34.57	30.19	99.1 %	ACCEPTABLE
773	30.67	34.43	30.05	99.1 %	ACCEPTABLE
774	30.76	34.79	30.39	98.0 %	ACCEPTABLE
775	30.69	34.65	30.26	98.8 %	ACCEPTABLE
776	30.69	34.62	30.25	99.5 %	ACCEPTABLE
777	30.71	34.79	30.40	98.9 %	ACCEPTABLE
778	30.73	34.65	30.26	98.9 %	ACCEPTABLE
779	30.82	35.00	30.60	23.5 %	ACCEPTABLE
780	30.75	34.86	30.47	23.6 %	ACCEPTABLE
781	30.75	34.84	30.46	23.6 %	ACCEPTABLE
782	30.57	34.46	30.11	99.5 %	ACCEPTABLE
783	30.68	34.67	30.31	99.3 %	ACCEPTABLE
784	30.64	34.62	30.25	99.5 %	ACCEPTABLE
785	30.61	34.51	30.17	99.2 %	ACCEPTABLE
786	30.70	34.57	30.19	99.2 %	ACCEPTABLE
787	30.81	34.78	30.39	23.5 %	ACCEPTABLE
788	30.77	34.73	30.33	98.0 %	ACCEPTABLE
789	30.74	34.62	30.25	99.3 %	ACCEPTABLE
790	30.58	34.27	29.93	99.1 %	ACCEPTABLE
791	30.56	34.25	29.90	99.4 %	ACCEPTABLE
792	30.67	34.46	30.10	99.3 %	ACCEPTABLE
793	30.63	34.40	30.04	99.2 %	ACCEPTABLE
794	30.60	34.30	29.96	99.2 %	ACCEPTABLE
795	30.70	34.54	30.18	99.3 %	ACCEPTABLE
796	30.66	34.49	30.12	99.5 %	ACCEPTABLE
797	30.72	34.75	30.38	99.3 %	ACCEPTABLE
798	30.68	34.70	30.32	99.2 %	ACCEPTABLE
799	30.69	34.62	30.25	99.5 %	ACCEPTABLE
800	30.70	34.73	30.35	99.3 %	ACCEPTABLE
801	30.72	34.64	30.26	99.2 %	ACCEPTABLE
802	30.78	34.87	30.49	23.6 %	ACCEPTABLE
803	30.73	34.78	30.39	98.9 %	ACCEPTABLE
804	30.73	34.76	30.39	99.3 %	ACCEPTABLE
805	30.61	34.51	30.16	99.2 %	ACCEPTABLE

No.	Center		Radius	Utilization	Verification
	x [m]	z [m]	R [m]		
806	30.68	34.65	30.29	99.3 %	ACCEPTABLE
807	30.66	34.62	30.25	99.5 %	ACCEPTABLE
808	30.67	34.73	30.35	99.2 %	ACCEPTABLE
809	30.69	34.64	30.26	99.2 %	ACCEPTABLE
810	30.75	34.87	30.49	22.0 %	ACCEPTABLE
811	30.70	34.78	30.39	98.8 %	ACCEPTABLE
812	30.70	34.76	30.39	99.3 %	ACCEPTABLE
813	30.58	34.51	30.16	99.5 %	ACCEPTABLE
814	30.65	34.65	30.29	99.3 %	ACCEPTABLE
815	30.63	34.62	30.25	99.4 %	ACCEPTABLE
816	30.61	34.55	30.20	99.2 %	ACCEPTABLE
817	30.67	34.59	30.21	99.1 %	ACCEPTABLE
818	30.74	34.73	30.35	99.3 %	ACCEPTABLE
819	30.71	34.69	30.31	99.3 %	ACCEPTABLE
820	30.69	34.62	30.25	99.5 %	ACCEPTABLE
821	30.59	34.39	30.04	99.4 %	ACCEPTABLE
822	30.57	34.37	30.02	99.4 %	ACCEPTABLE
823	30.65	34.51	30.15	99.5 %	ACCEPTABLE
824	30.62	34.48	30.11	99.4 %	ACCEPTABLE
825	30.60	34.41	30.06	99.4 %	ACCEPTABLE
826	30.67	34.57	30.20	99.2 %	ACCEPTABLE
827	30.64	34.53	30.16	99.4 %	ACCEPTABLE
828	30.68	34.71	30.34	99.3 %	ACCEPTABLE
829	30.65	34.67	30.30	99.5 %	ACCEPTABLE
830	30.66	34.78	30.40	99.2 %	ACCEPTABLE
831	30.68	34.69	30.31	99.2 %	ACCEPTABLE
832	30.74	34.92	30.54	23.7 %	ACCEPTABLE
833	30.69	34.83	30.45	99.2 %	ACCEPTABLE
834	30.69	34.81	30.44	99.3 %	ACCEPTABLE
835	30.57	34.56	30.20	99.4 %	ACCEPTABLE
836	30.64	34.70	30.34	99.2 %	ACCEPTABLE
837	30.62	34.67	30.30	99.5 %	ACCEPTABLE
838	30.60	34.60	30.25	99.2 %	ACCEPTABLE
839	30.66	34.64	30.26	99.1 %	ACCEPTABLE
840	30.73	34.78	30.40	99.3 %	ACCEPTABLE
841	30.70	34.74	30.36	99.3 %	ACCEPTABLE
842	30.68	34.67	30.30	99.2 %	ACCEPTABLE
843	30.58	34.44	30.09	99.4 %	ACCEPTABLE
844	30.56	34.42	30.07	99.4 %	ACCEPTABLE
845	30.64	34.56	30.20	99.5 %	ACCEPTABLE
846	30.61	34.53	30.16	99.5 %	ACCEPTABLE
847	30.59	34.46	30.11	99.4 %	ACCEPTABLE
848	30.66	34.62	30.25	99.5 %	ACCEPTABLE
849	30.63	34.58	30.21	99.5 %	ACCEPTABLE
850	30.67	34.76	30.39	99.5 %	ACCEPTABLE
851	30.64	34.72	30.35	99.5 %	ACCEPTABLE
852	30.38	34.68	30.34	99.6 %	ACCEPTABLE

Analysis 2 (stage 1)

Polygonal slip surface

Coordinates of slip surface points [m]									
x	z	x	z	x	z	x	z	x	z
2.17	18.49	16.82	6.90	27.56	3.44	35.02	1.69	37.36	1.06
Specified slip surface.									

Coordinates of slip surface points [m]							
x	z	x	z	x	z	x	z
37.65	1.18	41.34	3.37				
Specified slip surface.							

Segments restricting slip surface

No.	First point		Second point	
	x [m]	z [m]	x [m]	z [m]
1	10.60	18.24	8.96	15.62

Slope stability verification (Morgenstern-Price)**Analysis has not been performed.****Analysis 3 (stage 1)****Polygonal slip surface**

Coordinates of slip surface points [m]							
x	z	x	z	x	z	x	z
10.04	17.32	14.40	10.62	23.88	6.58	30.56	4.87
						35.47	5.02
Specified slip surface.							

Segments restricting slip surface

No.	First point		Second point	
	x [m]	z [m]	x [m]	z [m]
1	10.60	18.24	8.96	15.62

Slope stability verification (Morgenstern-Price)**Analysis has not been performed.****Analysis 4 (stage 1)****Polygonal slip surface**

Coordinates of slip surface points [m]							
x	z	x	z	x	z	x	z
5.44	18.47	8.57	13.31	13.56	12.16	18.81	8.76
						24.10	8.88
31.56	6.85						
Specified slip surface.							

Segments restricting slip surface

No.	First point		Second point	
	x [m]	z [m]	x [m]	z [m]
1	10.60	18.24	8.96	15.62

Slope stability verification (Janbu)**Analysis has not been performed.****Analysis 5 (stage 1)****Polygonal slip surface**

Coordinates of slip surface points [m]							
x	z	x	z	x	z	x	z
10.50	17.06	15.32	9.65	24.59	6.45	29.57	5.03
						32.09	4.69
35.48	5.02						
Specified slip surface.							

Segments restricting slip surface

No.	First point		Second point	
	x [m]	z [m]	x [m]	z [m]
1	10.60	18.24	8.96	15.62

Slope stability verification (Morgenstern-Price)**Analysis has not been performed.**