

Attachment 3

Tower Sites Environmental and Engineering Assessments

Tower Structure Summary Table

Tower	MP	Elevation	Land Status	Tower Type	Construction Type	Access road	Work Area	Permanent Disturbance	Temporary Disturbance	Pulling Site
No						ft	ft ²	ft ²	ft ²	
1A	0	1,321	Private	Lat-eld-t	Standard	600	60,000	1,600	60,000	PS-1A
2A	0.3	1,352	Private	Lat-ems	Standard	450		2,025	10,000	
3A	0.5	1,323	Private	Lat-ems	Standard	700		2,025	10,000	
4A	0.7	1,473	Private	Lat-ems	Helicopter			1,444	10,000	
5A	0.8	1,455	Private	Lat-ems	Standard		120,000	1,444	120,000	PS-5A
6A	1	1,362	Private	Lat-ehs-s	Standard	47		2,304	10,000	
7A	1.3	1,281	Private	Lat-ems	Standard			2,025	10,000	
8A	1.6	1,134	Private	Lat-ems	Standard		120,000	1,444	120,000	PS-8A
9A	1.8	1,291	Private	Lat-eld	Standard	250		1,600	10,000	
10A	2.1	1,396	Private	Lat-eld-t	Helicopter			1,600	10,000	
11A	2.2	1,556	Private	Lat-eld-t	Helicopter			1,600	10,000	
12A	2.6	1,276	Private	Lat-ems	Helicopter		120,000	2,025	120,000	PS-12A
13A	2.75	1,141	Private	Lat-ems	Standard			2,025	10,000	
1B	0	1,285	Private	Lat-ems	Standard	350	60,000	1,444	60,000	PS-1B
2B	0	1,302	Private	Lat-ems	Standard	400		1,444	10,000	
3B	0.3	1,314	Private	Lat-ehs-s	Standard	750		2,304	10,000	
4B	0.5	1,333	Private	Lat-ems	Standard	300		1,444	10,000	
5B	0.7	1,358	Private	Lat-ems	Helicopter			1,444	10,000	
6B	0.8	1,457	Private	Lat-ems	Standard		120,000	2,025	120,000	PS-6B
7B	1.2	1,327	Private	Lat-eld	Standard	90		2,916	10,000	
8B	1.3	1,288	Private	Lat-eld-t	Standard	120		1,600	10,000	
9B	1.6	1,103	Private	Lat-eld-t	Standard	180	120,000	1,600	120,000	PS-9B
10B	1.7	1,190	Private	Lat-ems	Standard	500		1,444	10,000	
11B	2	1,346	Private	Lat-eld-t	Helicopter			1,600	10,000	
12B	2.2	1,519	Private	Lat-eld-t	Helicopter			1,600	10,000	
13B	2.6	1,145	Private	Lat-eld-t	Standard	470	120,000	1,600	120,000	PS-13B
14B	2.75	1,144	Private	Lat-eld-t	Standard			1,600	10,000	
22	2.1	1,166	Private	Lat-eld-t	Standard			1,600	10,000	
23	2.3	1,279	Private	Lat-eld	Standard	50	845,000	1,600	845,000	PS-23+staging
24	2.5	1,350	Private	H-frame	Standard	150		420	10,000	
25	2.7	1,556	CNF	H-frame	Standard			420	10,000	
26	2.8	1,591	CNF	Lat-eld-a	Standard		120,000	1,600	120,000	PS-26
27	3	1,507	CNF	H-frame	Standard	200		420	10,000	
28	3.3	1,606	CNF	H-frame	Standard	200		420	10,000	
29	3.5	1,685	CNF	H-frame	Standard	500		420	10,000	
30	3.7	1,854	CNF	Lat-eld-a	Helicopter			1,600	10,000	
31	4.1	2,088	Private	Lat-eh-t	Helicopter			3,600	10,000	
32	4.2	2,272	Private	Lat-eld-a	Standard	600	120,000	1,600	120,000	PS32

Tower Structure Summary Table

Tower	MP	Elevation	Land Status	Tower Type	Construction Type	Access road	Work Area	Permanent Disturbance	Temporary Disturbance	Pulling Site
33	4.6	2,536	CNF	H-frame	Helicopter			420	10,000	
34	4.7	2,466	CNF	H-frame	Helicopter			420	10,000	
35	4.9	2,546	CNF	H-frame	Helicopter			420	10,000	
36	5.3	2,565	CNF	Lat-eld	Helicopter			2,916	10,000	
37	5.4	3,010	CNF	Lat-eht	Helicopter			3,025	10,000	
38	5.5	3,092	CNF	Lat-eht	Helicopter			3,025	10,000	
39	5.6	3,243	CNF	Lat-eld	Helicopter		120,000	1,600	120,000	PS-39
40	5.8	3,151	CNF	Lat-ems	Helicopter			1,444	10,000	
41	6	3,045	CNF	Lat-eld	Standard		120,000	2,916	120,000	PS-41
42	6.3	3,315	CNF	Lat-eld	Helicopter			1,600	10,000	
43	6.6	3,599	CNF	Lat-eld	Standard	3,100	120,000	1,600	120,000	PS-43
44	6.7	3,513	CNF	Lat-eht	Helicopter			3,600	10,000	
45	7	3,254	CNF	Lat-ems	Helicopter			2,025	10,000	
46	7.5	2,941	CNF	Lat-eld	Helicopter			2,916	10,000	
47	7.6	3,030	CNF	Lat-eht	Helicopter			3,600	10,000	
48	7.7	2,984	CNF	Lat-eht	Helicopter			3,600	10,000	
49	7.9	2,682	CNF	Lat-eld	Helicopter			1,600	10,000	
50	8.4	2,543	CNF	Lat-ems	Helicopter			2,704	10,000	
51	8.6	2,646	CNF	Lat-eld	Helicopter			1,600	10,000	
52	8.8	3,002	CNF	Lat-eht	Helicopter			3,600	10,000	
53	8.9	3,098	CNF	Lat-eld-a	Standard	350	120,000	1,600	120,000	PS-53
54	9.1	2,877	CNF	Lat-ems	Standard	750		2,025	10,000	
55	9.5	2,978	CNF	Lat-eld	Standard	300		1,600	10,000	
56	9.7	2,735	CNF	Lat-ehs-s	Standard	850	120,000	2,304	120,000	PS-56
57	10.1	2,734	CNF	Lat-eld	Standard	1,400		2,916	10,000	
58	10.3	2,724	CNF	Lat-ems	Standard	500	120,000	2,025	120,000	PS-58
59	10.5	2,719	CNF	Lat-eld	Helicopter			1,600	10,000	
60	10.9	3,078	CNF	Lat-eht	Helicopter			3,600	10,000	
61	11	3,064	CNF	Lat-ela	Helicopter			3,025	10,000	
62	11.3	3,066	CNF	Lat-eht	Helicopter			1,936	10,000	
63	11.5	2,866	CNF	Lat-eld-t	Standard	200	60,000	1,600	60,000	PS-63
64	13.2	2,975	CNF	Lat-eld-t	Standard	100	60,000	1,600	60,000	PS-64
65	13.3	3,017	CNF	Lat-eht	Standard	200		1,936	10,000	
66	13.4	2,553	CNF	Lat-eld	Helicopter			1,600	10,000	
67	13.7	2,407	CNF	Lat-eht	Helicopter			3,600	10,000	
68	14.1	2,540	CNF	Lat-ela	Helicopter			3,025	10,000	
69	14.3	2,649	CNF	Lat-ems	Helicopter			2,704	10,000	
70	14.5	2,502	CNF	Lat-eht	Helicopter			3,600	10,000	
71	14.7	2,350	CNF	Lat-eld	Helicopter			1,600	10,000	

Tower Structure Summary Table

Tower	MP	Elevation	Land Status	Tower Type	Construction Type	Access road	Work Area	Permanent Disturbance	Temporary Disturbance	Pulling Site
72	14.9	2,270	CNF	Lat-eh	Helicopter			2,209	10,000	
73	15.2	2,144	CNF	Lat-ehs-s	Helicopter			1,156	10,000	
74	15.4	2,235	CNF	Lat-ela	Helicopter		120,000	1,521	120,000	PS-74
75	15.6	2,160	CNF	Lat-ehs-s	Helicopter			1,681	10,000	
76	15.9	2,350	CNF	Lat-eld	Helicopter			1,600	10,000	
77	16.3	2,221	CNF	Lat-eh	Helicopter			3,025	10,000	
78	16.6	2,598	CNF	Lat-ems	Standard	450		2,025	10,000	
79	16.7	2,648	CNF	Lat-ehd	Standard	150	120,000	1,600	120,000	PS-79
80	17	2,571	CNF	Lat-ems	Standard	350		2,025	10,000	
81	17.5	2,437	CNF	Lat-ehd	Standard	2,300	120,000	3,136	120,000	PS-81
82	17.7	2,405	CNF	Lat-ems	Helicopter			1,444	10,000	
83	17.9	2,540	CNF	Lat-eh	Helicopter			1,936	10,000	
84	18.2	2,362	CNF	Lat-eld	Helicopter			2,916	10,000	
85	18.5	2,592	CNF	Lat-eh	Standard	700		3,025	10,000	
86	18.9	2,482	CNF	Lat-eld	Helicopter			1,600	10,000	
87	19.2	2,550	CNF	Lat-ems	Helicopter			2,025	10,000	
88	19.4	2,204	CNF	Lat-ems	Helicopter			2,025	10,000	
89	19.7	2,250	CNF	Lat-ems	Standard	300		1,444	10,000	
90	19.8	2,128	CNF	Lat-ehd	Standard	650	120,000	3,136	120,000	PS-90
91	20.3	2,074	CNF	Lat-ems	Standard	800		2,704	10,000	
92	20.5	2,029	CNF	Lat-eld	Standard	250	120,000	1,600	120,000	PS-92
93	20.7	1,966	CNF	Lat-ehd	Standard	100	120,000	3,136	120,000	PS-93
94	20.8	1,945	CNF	Lat-ela	Standard	300		1,521	10,000	
95	21.2	2,015	CNF	Lat-ems	Helicopter			1,444	10,000	
96	21.4	1,971	CNF	Lat-eld	Helicopter			1,600	10,000	
97	21.7	2,084	CNF	Lat-ems	Helicopter			2,025	10,000	
98	21.8	2,188	CNF	Lat-ems	Helicopter			2,704	10,000	
99	21.9	2,272	CNF	Lat-eld	Standard	500		1,600	10,000	
100	22.2	2,478	CNF	Lat-ehs-s	Helicopter			1,156	10,000	
101	22.4	2,540	CNF	Lat-ems	Helicopter			2,025	10,000	
102	22.8	2,655	CNF	Lat-ems	Helicopter			2,025	10,000	
103	23.2	2,721	CNF	Lat-ems	Helicopter			2,025	10,000	
104	23.4	2,783	CNF	Lat-ems	Helicopter			1,444	10,000	
105	23.5	2,764	CNF	Lat-ems	Helicopter			1,444	10,000	
106	23.6	2,647	CNF	Lat-ems	Helicopter			1,444	10,000	
107	23.7	2,292	CNF	Lat-eld-a	Helicopter			1,936	10,000	
108	24.4	2,011	CNF	Lat-ems	Standard	50		1,444	10,000	
109	24.6	1,967	CNF	Lat-eld	Standard	1,250	120,000	1,600	120,000	PS-109
110	24.7	2,110	CNF	Lat-ems	Helicopter			1,444	10,000	

Tower Structure Summary Table

Tower	MP	Elevation	Land Status	Tower Type	Construction Type	Access road	Work Area	Permanent Disturbance	Temporary Disturbance	Pulling Site
111	24.9	2,183	CNF	Lat-ems	Helicopter			1,444	10,000	
112	25.1	2,355	CNF	Lat-ems	Helicopter			1,444	10,000	
113	25.3	2,801	CNF	Lat-ehd	Standard	600	120,000	1,600	120,000	PS-113
114	25.4	2,866	CNF	Lat-eht	Standard	700		1,936	10,000	
115	25.5	2,797	CNF	Lat-eht	Standard	800		1,936	10,000	
116	25.7	2,638	CNF	Lat-ems	Standard	800		1,444	10,000	
117	26.3	2,100	CNF	Lat-ems	Helicopter			2,025	10,000	
118	26.5	2,032	CNF	Lat-eld	Helicopter			1,600	10,000	
119	26.6	2,092	CNF	Lat-ems	Standard	400	120,000	1,444	120,000	PS-119
120	26.9	2,238	CNF	Lat-ems	Standard	750		1,444	10,000	
121	27.1	2,262	CNF	Lat-eld	Standard	200	120,000	1,600	120,000	PS-121
SA121			CNF		Standard		2,730,000		2,730,000	SA-121
122	27.3	2,302	CNF	Lat-ems	Standard	50		1,444	10,000	
123	27.5	2,206	CNF	Lat-ems	Standard	50		1,444	10,000	
124	27.8	2,182	CNF	Lat-ems	Standard	800		1,444	10,000	
125	28.1	2,130	CNF	Lat-ems	Helicopter			1,444	10,000	
126	28.4	2,250	CNF	Lat-ems	Helicopter			1,444	10,000	
127	28.6	2,351	CNF	Lat-ems	Helicopter			1,444	10,000	
128	28.7	2,357	CNF	Lat-ehs-s	Helicopter			1,444	10,000	
129	28.8	2,290	CNF	Lat-ems	Helicopter			1,444	10,000	
130	29	2,456	CNF	Lat-ehd	Standard	350	120,000	1,444	180,000	PS-130
131	29.3	2,546	CNF	Lat-eht	Standard	50		1,444	10,000	
132	29.5	2,422	CNF	Lat-ems	Helicopter			1,444	10,000	
133	29.9	2,387	CNF	Lat-ems	Standard	450		1,444	10,000	
134	30.2	2,569	CNF	Lat-ela	Standard	400		1,444	10,000	
135	30.4	2,917	CNF	Lat-ems	Helicopter			1,444	10,000	
136	30.5	3,024	CNF	Lat-ela	Helicopter			1,849	10,000	
137	31	2,734	CNF	Lat-ems	Helicopter			2,704	10,000	
138	31.2	2,496	CNF	Lat-eld	Helicopter		60,000	1,600	10,000	PS 138