

Exhibit I

Foundation and Tower Design Plans

Sabre Towers



CROWN CASTLE USA INC

190' Sabre Model Monopole

Dale Hollow, KY

Sabre Job Number 08-10303

REVISED STAMPED PERMIT DRAWINGS

YOUR SABRE

REPRESENTATIVE IS

Connie Carey

1-800-369-6690 EXT. 188



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Structural Design Report
190' Monopole
located at: Dale Hollow, KY

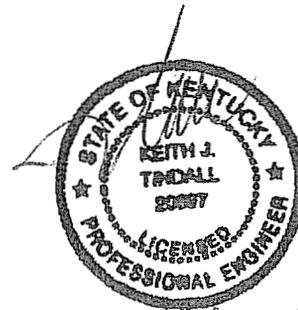
prepared for: CROWN CASTLE USA INC
by: Sabre Communications Corporation™

Job Number: 08-10303

Revision B

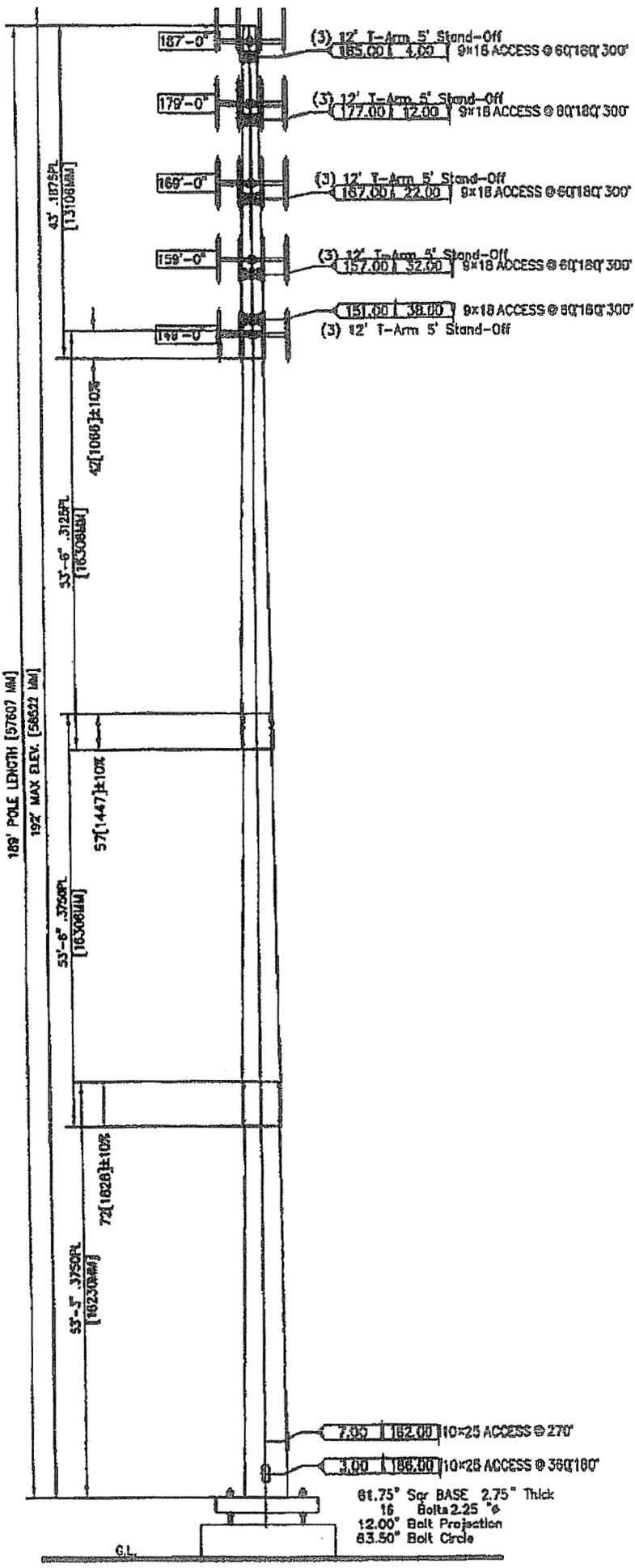
November 13, 2007

Monopole Profile.....	1
Foundation Design Summary.....	2
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Foundation Calculations.....	A1-A3



11/13/07

Monopole by HAC
Foundation by KJT
Approved by KJJ



POLE HEIGHT 192.00 FT
 TAPER .2150 IN/FT
 POLE SHAPE 18 SIDED POLYGON
 ORIENTATION FLAT-FLAT

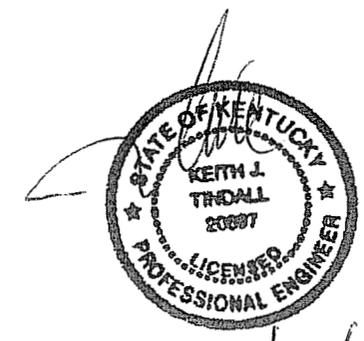
LEV	QTY	FLY FT	FUTURE	DESCRIPTION
1	3	187.00	F	12' T-Arm 5' Stand-Off
	12	188.00	F	FV90-12-XXXAL4
2	3	179.00	F	12' T-Arm 5' Stand-Off
	12	179.00	F	FV90-12-XXXAL4
3	3	169.00	F	12' T-Arm 5' Stand-Off
	12	169.00	F	FV90-12-XXXAL4
4	3	159.00	F	12' T-Arm 5' Stand-Off
	12	159.00	F	FV90-12-XXXAL4
5	3	149.00	F	12' T-Arm 5' Stand-Off
	12	149.00	F	FV90-12-XXXAL4

LOAD CASE DESCRIPTION	WIND (mph)	OLF	ROD. VERT	ICE	FACTORS	WIND CF	WIND (psf)
1) 3s Gusted Wind	90.0	1.20			1.10	.65	54.7
2) 3s Gusted Wind 0.9	90.0	.90			1.10	.85	34.7
3) 3s Gusted Wind/dice	30.0	1.20	.75		1.10	1.20	2.4
4) Service Loads	60.0	1.00			1.10	.65	8.5

LOAD CASE DESCRIPTION	REA. AXIAL (kips)	BASE SHEAR (kips)	ROCK. MOM. (ft-k)	DISP. (ft)	TOP SWAY (deg)
1) 3s Gusted Wind	55.2	31.6	4395	18.0	10.80
2) 3s Gusted Wind 0.9	41.7	31.6	4287	17.4	10.37
3) 3s Gusted Wind/dice	83.9	3.7	513	2.1	1.27
4) Service Loads	45.0	7.9	1085	4.4	2.65

SEC	LENGTH (ft)	FLAT-FLAT TOPS	FLAT-FLAT BOTs	THICK (in)	WEIGHT (lbs)	STEEL SPEC	FINISH
1	43.00	18.00	27.25	.1875	2700	A572-45	Galv
2	53.50	28.12	37.82	.3125	6100	A572-65	Galv
3	53.50	35.57	47.48	.3750	9600	A572-65	Galv
4	53.25	45.44	56.89	.3750	13500	A572-65	Galv
TOTAL					31800		
ABolt Cluster		Bolts	Holes				
AB	84.00	2.25	2.625		2200	A615-75	Galv-18"

- 1) FULL HEIGHT STEP BOLTS
- 2) ANTENNA FEED LINES RUN INSIDE POLE
- 3) THE MONOPOLE WAS DESIGNED IN ACCORDANCE WITH ANS/71A-222-G, STRUCTURE CLASS II, EXPOSURE CATEGORY C, TOPOGRAPHIC CATEGORY I.



11/13/07

CROWN CASTLE USA INC
 Dale Hollow, KY

190.00 MONOPOLE

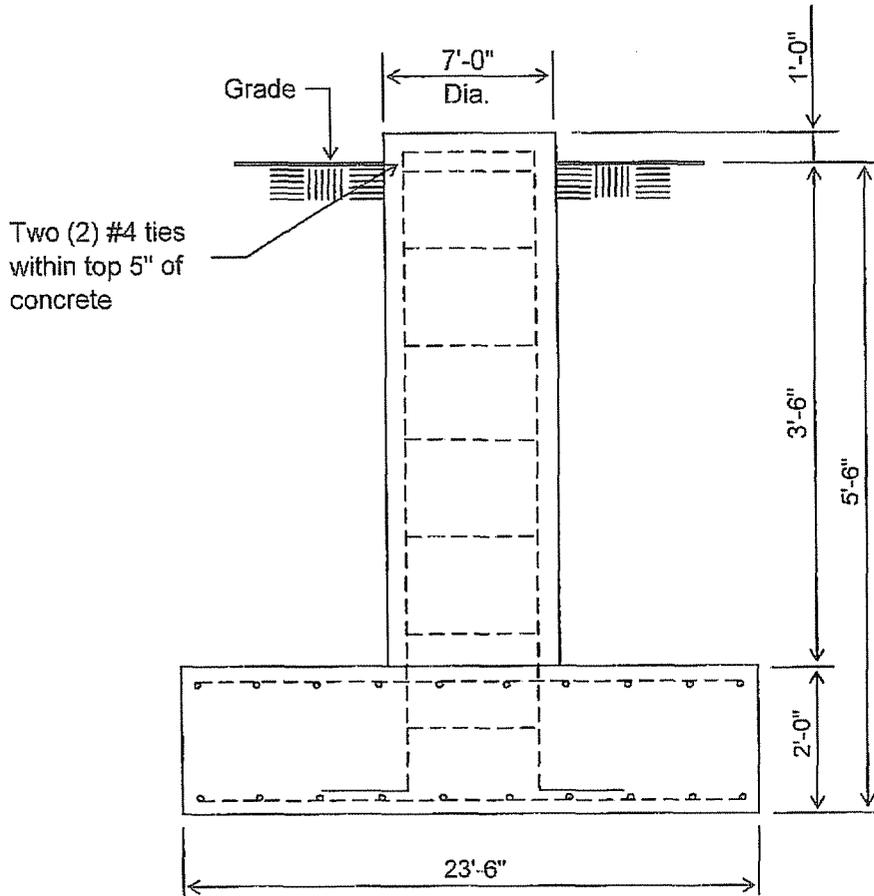
Sabre
Communications Corporation

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08-10303	SIZE	DRAWING NO.	REV
08-10303	A	08-10303-PE	—
DATE	26Oct07	REFERENCE DRAWING	SCALE
DRAWN BY	—	N.T.S.	PAGE
CHECKED BY	HAC		1

Customer: CROWN CASTLE USA INC
Site: Dale Hollow, KY

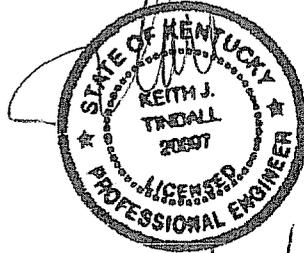
190' Monopole at
 90 mph Wind with no ice and 30 mph Wind with 0.75 in. Ice per ANSI/TIA-222-G-2005.
 Antenna Loading per Page 1



Notes:

- 1). Concrete shall have a minimum 28-day compressive strength of 4000 PSI, in accordance with ACI 318-05
- 2). Rebar to conform to ASTM specification A615 Grade 60.
- 3). All rebar to have a minimum of 3" concrete cover.
- 4). All exposed concrete corners to be chamfered 3/4".
- 5). The foundation design is based on the geotechnical report by Alt & Witzig Engineering, Inc. project no. 07CN0291, dated: 11/2/07
- 6). See the geotechnical report for compaction requirements, if specified.
- 7). The foundation is based on the following factored loads:
 Moment (kip-ft) = 4395.83
 Axial (kips) = 55.248
 Shear (kips) = 31.603

ELEVATION VIEW
 (47.32 Cu. Yds. each)
 (1 REQUIRED)



Rebar Schedule per Pad and Pier	
Pier	(36) #8 vertical rebar w/hooks at bottom w/#4 ties, two within top 5" of top of pier then 12" C/C
Pad	(34) #8 horizontal rebar evenly spaced each way top and bottom (136 Total)

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TOP DIAMETER	18.00 in.	[18.28 in. Point-Point]
BOTTOM DIAMETER	56.89 in.	[57.76 in. Point-Point]
POLE HEIGHT	189.00 ft.	18 SIDED FLAT ORIENTATION
BASE HEIGHT	1.00 ft.	ABOVE GROUND
E-MODULUS	29000 ksi	[12000 ksi SHEAR MODULUS]

APPURTENANCES

ATTACH POINTS:	NO.	X, ft	Qty	Description	Status
	1	187.00	3	12' T-Arm 5' Stand-Off	Future Appurt
	2	179.00	3	12' T-Arm 5' Stand-Off	Future Appurt
	3	169.00	3	12' T-Arm 5' Stand-Off	Future Appurt
	4	159.00	3	12' T-Arm 5' Stand-Off	Future Appurt
	5	149.00	3	12' T-Arm 5' Stand-Off	Future Appurt

Some wind forces may have been derived from full-scale wind tunnel tests.

Pole Section	Bottom X, ft.	Thick in.	Connect Type	LAP in.	Taper in/ft	Length ft.	Weight lbs	Steel Spec	Pole Finish
1	43.00	.18750	SLIP-JNT	42.	.2150	43.00	1953	A572-65	GALVANIZE
2	93.00	.31250	SLIP-JNT	57.	.2150	53.50	5697	A572-65	GALVANIZE
3	141.75	.37500	SLIP-JNT	72.	.2150	53.50	8959	A572-65	GALVANIZE
4	189.00	.37500	C-WELD		.2150	53.25	10952	A572-65	GALVANIZE

SECTION PROPERTIES

X, ft	UP, ft	D, in	T, in	Area in ²	Iz in ⁴	IxIy in ⁴	SxSy in ³	w/t	d/t	F _y (ksi)	
189.00	.00	18.00	.1875	10.60	848	424	46.4	15.16	96.0	65.00	TOP
187.00	2.00	18.43	.1875	10.86	912	456	48.7	15.57	98.3	65.00	P01
182.00	7.00	19.51	.1875	11.50	1084	542	54.7	16.58	104.0	65.00	
179.00	10.00	20.15	.1875	11.88	1196	598	58.5	17.19	107.5	65.00	P02
174.00	15.00	21.23	.1875	12.52	1400	700	65.0	18.20	113.2	65.00	
169.00	20.00	22.30	.1875	13.16	1626	813	71.8	19.21	118.9	65.00	P03
164.00	25.00	23.38	.1875	13.80	1874	937	79.0	20.22	124.7	65.00	
159.00	30.00	24.45	.1875	14.44	2148	1074	86.5	21.23	130.4	65.00	P04
154.00	35.00	25.53	.1875	15.08	2446	1223	94.4	22.24	136.1	65.00	
149.50	39.50	26.49	.1875	15.65	2738	1369	101.8	23.15	141.3	65.00	Slip-B01
149.00	40.00	26.23	.3125	25.70	4360	2180	163.7	13.03	83.9	65.00	P05
146.00	43.00	26.87	.3125	26.34	4694	2347	172.0	13.40	86.0	65.00	Slip-T02
141.00	48.00	27.95	.3125	27.41	5286	2643	186.3	14.00	89.4	65.00	
136.00	53.00	29.02	.3125	28.47	5928	2964	201.2	14.61	92.9	65.00	
131.00	58.00	30.10	.3125	29.54	6620	3310	216.6	15.22	96.3	65.00	
126.00	63.00	31.17	.3125	30.61	7362	3681	232.6	15.82	99.7	65.00	
121.00	68.00	32.25	.3125	31.67	8158	4079	249.2	16.43	103.2	65.00	
116.00	73.00	33.32	.3125	32.74	9010	4505	266.3	17.04	106.6	65.00	
111.00	78.00	34.40	.3125	33.80	9920	4960	284.0	17.64	110.1	65.00	
106.00	83.00	35.47	.3125	34.87	10888	5444	302.3	18.25	113.5	65.00	
101.00	88.00	36.55	.3125	35.94	11916	5958	321.1	18.86	116.9	65.00	
100.75	88.25	36.60	.3125	35.99	11970	5985	322.1	18.89	117.1	65.00	Slip-B02
96.00	93.00	37.00	.3750	43.59	14764	7382	393.0	15.63	98.7	65.00	Slip-T03
91.00	98.00	38.07	.3750	44.86	16104	8052	416.6	16.14	101.5	65.00	
86.00	103.00	39.15	.3750	46.14	17520	8760	440.8	16.64	104.4	65.00	
81.00	108.00	40.22	.3750	47.42	19020	9510	465.7	17.15	107.3	65.00	
76.00	113.00	41.30	.3750	48.70	20600	10300	491.3	17.65	110.1	65.00	
71.00	118.00	42.37	.3750	49.98	22266	11133	517.5	18.16	113.0	65.00	
66.00	123.00	43.45	.3750	51.26	24022	12011	544.5	18.66	115.9	65.00	
61.00	128.00	44.52	.3750	52.54	25866	12933	572.2	19.17	118.7	65.00	
56.00	133.00	45.60	.3750	53.82	27802	13901	600.5	19.68	121.6	65.00	
53.25	135.75	46.19	.3750	54.52	28906	14453	616.3	19.95	123.2	65.00	Slip-B03
48.25	140.75	46.51	.3750	54.91	29526	14763	625.2	20.11	124.0	65.00	
47.25	141.75	46.73	.3750	55.17	29940	14970	631.0	20.21	124.6	65.00	Slip-T04
42.25	146.75	47.80	.3750	56.45	32072	16036	660.8	20.71	127.5	65.00	
37.25	151.75	48.88	.3750	57.73	34304	17152	691.2	21.22	130.3	65.00	
32.25	156.75	49.95	.3750	59.01	36634	18317	722.3	21.72	133.2	65.00	
27.25	161.75	51.03	.3750	60.29	39070	19535	754.1	22.23	136.1	65.00	
22.25	166.75	52.10	.3750	61.56	41610	20805	786.5	22.74	138.9	65.00	
17.25	171.75	53.18	.3750	62.84	44258	22129	819.6	23.24	141.8	65.00	
12.25	176.75	54.25	.3750	64.12	47016	23508	853.5	23.75	144.7	65.00	
7.25	181.75	55.33	.3750	65.40	49888	24944	888.0	24.25	147.5	65.00	
2.25	186.75	56.40	.3750	66.68	52872	26436	923.2	24.76	150.4	65.00	
.00	189.00	56.89	.3750	67.26	54256	27128	939.3	24.98	151.7	65.00	BASE

CASE - 1: 3s Gusted Wind

ANSI-TIA-222-G

WIND OLF	1.60	GUSTED WIND (3sec)	90.0 mph	144.8 kph
VERTICAL OLF	1.20	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.00 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	.65	PRESSURE @ 32.7 ft	34.7 psf	1659.0 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.95	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCES

Sabre Areas

#	Qty	Description	Center Line Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE			WIND Psf	FORCES		MOM. Lg-X Ft-K
						Type	Qty	#/Ft		Tra-Y Kips	Ax-Z Kips	
1	3	12' T-Arm 5' Stand-Off	187.0	281	64.6				50.1	3.24	-1.0	-.8
	12	FV90-12-XXXAL4	189.0	30		1	5/8"	12	1.04		-3.2	
2	3	12' T-Arm 5' Stand-Off	179.0	281	64.6				49.7	3.21	-1.0	-.8
	12	FV90-12-XXXAL4	179.0	30		1	5/8"	12	1.04		-3.1	
3	3	12' T-Arm 5' Stand-Off	169.0	281	64.6				49.1	3.17	-1.0	-.8
	12	FV90-12-XXXAL4	169.0	30		1	5/8"	12	1.04		-3.0	
4	3	12' T-Arm 5' Stand-Off	159.0	281	64.6				48.5	3.13	-1.0	-.8
	12	FV90-12-XXXAL4	159.0	30		1	5/8"	12	1.04		-2.8	
5	3	12' T-Arm 5' Stand-Off	149.0	281	64.6				47.8	3.09	-1.0	-.8
	12	FV90-12-XXXAL4	149.0	30		1	5/8"	12	1.04		-2.7	

RESULTS

X, ft	Kzt	WIND psf	ICE in	FORCES, kips			MOMENTS, ft-kips			F'y ksi	Inter 4.8.2
				ShearX	ShearY	AxialZ	BendX	BendY	TorqZ		
189.00	1.00	32.65	.00	.0	.01	.0	.0	.0	.0	65.00	.000
187.00	1.00	32.58	.00	.0	4.18	-3.8	-.9	.0	.0	65.00	.010
182.00	1.00	32.39	.00	.0	4.47	-4.0	-22.1	.0	.0	65.00	.089
179.00	1.00	32.28	.00	.0	8.63	-7.6	-36.3	.0	.0	65.00	.139
174.00	1.00	32.09	.00	.0	8.94	-7.9	-79.5	.0	.0	65.00	.262
169.00	1.00	31.89	.00	.0	13.07	-11.5	-124.9	.0	.0	65.00	.373
164.00	1.00	31.69	.00	.0	13.37	-11.9	-190.3	.0	.0	65.00	.510
159.00	1.00	31.49	.00	.0	17.39	-15.5	-257.9	.0	.0	65.00	.632
154.00	1.00	31.28	.00	.0	17.65	-16.0	-344.8	.0	.0	65.00	.769
149.50	1.00	31.09	.00	.0	17.80	-16.3	-424.3	.0	.0	65.00	.874
149.00	1.00	31.06	.00	.0	21.55	-19.7	-433.9	.0	.0	65.00	.558
146.00	1.00	30.93	.00	.0	21.84	-20.5	-498.6	.0	.0	65.00	.609
141.00	1.00	30.71	.00	.0	22.18	-21.3	-607.8	.0	.0	65.00	.683
136.00	1.00	30.48	.00	.0	22.50	-22.0	-718.7	.0	.0	65.00	.747
131.00	1.00	30.24	.00	.0	22.82	-22.7	-831.2	.0	.0	65.00	.801
126.00	1.00	29.99	.00	.0	23.15	-23.5	-945.0	.0	.0	65.00	.847
121.00	1.00	29.74	.00	.0	23.47	-24.3	-1060.8	.0	.0	65.00	.887
116.00	1.00	29.48	.00	.0	23.80	-25.1	-1178.3	.0	.0	65.00	.921
111.00	1.00	29.21	.00	.0	24.13	-25.9	-1297.5	.0	.0	65.00	.951
106.00	1.00	28.93	.00	.0	24.46	-26.8	-1418.3	.0	.0	65.00	.976
101.00	1.00	28.64	.00	.0	24.64	-27.3	-1540.0	.0	.0	65.00	.997
100.75	1.00	28.63	.00	.0	24.85	-28.1	-1546.7	.0	.0	65.00	.999
96.00	1.00	28.34	.00	.0	25.25	-29.7	-1664.2	.0	.0	65.00	.881
91.00	1.00	28.03	.00	.0	25.63	-31.0	-1790.8	.0	.0	65.00	.894
86.00	1.00	27.70	.00	.0	26.00	-32.1	-1919.2	.0	.0	65.00	.905
81.00	1.00	27.35	.00	.0	26.36	-33.2	-2049.2	.0	.0	65.00	.915
76.00	1.00	26.99	.00	.0	26.72	-34.3	-2180.8	.0	.0	65.00	.923
71.00	1.00	26.62	.00	.0	27.08	-35.5	-2314.2	.0	.0	65.00	.930
66.00	1.00	26.22	.00	.0	27.44	-36.7	-2450.0	.0	.0	65.00	.935
61.00	1.00	25.79	.00	.0	27.80	-37.9	-2586.7	-.1	.0	65.00	.940
56.00	1.00	25.34	.00	.0	28.08	-39.0	-2725.8	-.1	.0	65.00	.944
53.25	1.00	25.08	.00	.0	28.37	-40.4	-2803.3	-.1	.0	65.00	.946
48.25	1.00	24.57	.00	.0	28.59	-41.5	-2945.0	-.1	.0	65.00	.980
47.25	1.00	24.47	.00	.0	28.80	-42.6	-2973.3	-.1	.0	65.00	.980
42.25	1.00	23.91	.00	.0	29.12	-44.1	-3117.5	-.1	.0	65.00	.981
37.25	1.00	23.30	.00	.0	29.43	-45.5	-3263.3	-.1	.0	65.00	.982
32.25	1.00	22.62	.00	.0	29.73	-46.8	-3410.0	-.1	.0	65.00	.982
27.25	1.00	21.86	.00	.0	30.03	-48.2	-3559.2	-.1	.0	65.00	.981
22.25	1.00	20.98	.00	.0	30.34	-49.5	-3709.2	-.1	.0	65.00	.981
17.25	1.00	19.94	.00	.0	30.65	-51.0	-3860.8	-.1	.0	65.00	.980
12.25	1.00	19.16	.00	.0	30.96	-52.4	-4014.2	-.1	.0	65.00	.979
7.25	1.00	19.16	.00	.0	31.27	-53.9	-4169.2	-.1	.0	65.00	.977
2.25	1.00	19.16	.00	.0	31.50	-54.9	-4325.0	-.1	.0	65.00	.975
.00	1.00	19.16	.00	.0	31.60	-55.2	-4395.8	.1	.0	64.79	.977

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CROWN CASTLE USA INC
Dale Hollow, KY

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DISPLACEMENTS

ELEV	DEFLECTION feet				ROTATION, degrees			
X, ft	X	Y	Z	XY-Result	X	Y	Z	XY-Result
189.00	.00	18.00	-1.20	18.00< 9.52%	-10.80	.00	.00	10.80

BASE - 2: 3s Gusted Wind 0.9 Dead

ANSI-TIA-222-G

WIND OLF	1.60	GUSTED WIND (3sec)	90.0 mph	144.8 kph
VERTICAL OLF	.90	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.00 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	.65	PRESSURE @ 32.7 ft	34.7 psf	1659.0 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.95	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCES

Sabre Areas

#	Qty	Description	Center Line Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE		WIND Psf	FORCES			MOM. Lg-X Ft-K
						Type	Qty #/Ft		Tra-Y Kips	Ax-Z Kips		
1	3	12' T-Arm 5' Stand-Off	187.0	281	64.6			50.1	3.24	-.8	-.8	
	12	FV90-12-XXXAL4	189.0	30		1 5/8"	12 1.04	50.2		-2.4		
2	3	12' T-Arm 5' Stand-Off	179.0	281	64.6			49.7	3.21	-.8	-.8	
	12	FV90-12-XXXAL4	179.0	30		1 5/8"	12 1.04	49.7		-2.3		
3	3	12' T-Arm 5' Stand-Off	169.0	281	64.6			49.1	3.17	-.8	-.8	
	12	FV90-12-XXXAL4	169.0	30		1 5/8"	12 1.04	49.1		-2.2		
4	3	12' T-Arm 5' Stand-Off	159.0	281	64.6			48.5	3.13	-.8	-.8	
	12	FV90-12-XXXAL4	159.0	30		1 5/8"	12 1.04	48.4		-2.1		
5	3	12' T-Arm 5' Stand-Off	149.0	281	64.6			47.8	3.09	-.8	-.8	
	12	FV90-12-XXXAL4	149.0	30		1 5/8"	12 1.04	47.8		-2.0		

RESULTS

X, ft	Kzt	WIND psf	ICE in	FORCES, kips			MOMENTS, ft-kips			F'y ksi	Inter 4.8.2
				ShearX	ShearY	AxialZ	BendX	BendY	TorqZ		
189.00	1.00	32.65	.00	.0	.00	.0	.0	.0	.0	65.00	.000
187.00	1.00	32.58	.00	.0	3.96	-2.7	.0	.0	.0	65.00	.008
182.00	1.00	32.39	.00	.0	4.23	-2.8	-10.9	.0	.0	65.00	.083
179.00	1.00	32.28	.00	.0	8.18	-5.5	-34.3	.0	.0	65.00	.129
174.00	1.00	32.09	.00	.0	8.48	-5.7	-75.3	.0	.0	65.00	.246
169.00	1.00	31.89	.00	.0	12.42	-8.3	-118.5	.0	.0	65.00	.350
164.00	1.00	31.69	.00	.0	12.72	-8.6	-180.6	.0	.0	65.00	.481
159.00	1.00	31.49	.00	.0	16.57	-11.2	-244.9	.0	.0	65.00	.595
154.00	1.00	31.28	.00	.0	16.85	-11.6	-327.8	.0	.0	65.00	.727
149.50	1.00	31.09	.00	.0	17.01	-11.8	-403.7	.0	.0	65.00	.828
149.00	1.00	31.06	.00	.0	20.60	-14.3	-412.9	.0	.0	65.00	.528
146.00	1.00	30.93	.00	.0	20.89	-14.9	-474.8	.0	.0	65.00	.576
141.00	1.00	30.71	.00	.0	21.24	-15.5	-579.2	.0	.0	65.00	.648
136.00	1.00	30.48	.00	.0	21.58	-16.0	-685.3	.0	.0	65.00	.709
131.00	1.00	30.24	.00	.0	21.92	-16.6	-793.3	.0	.0	65.00	.761
126.00	1.00	29.99	.00	.0	22.26	-17.2	-902.5	.0	.0	65.00	.806
121.00	1.00	29.74	.00	.0	22.61	-17.8	-1014.2	.0	.0	65.00	.845
116.00	1.00	29.48	.00	.0	22.97	-18.5	-1127.5	.0	.0	65.00	.879
111.00	1.00	29.21	.00	.0	23.32	-19.1	-1241.7	.0	.0	65.00	.907
106.00	1.00	28.93	.00	.0	23.69	-19.8	-1358.3	.0	.0	65.00	.932
101.00	1.00	28.64	.00	.0	23.88	-20.2	-1476.7	.0	.0	65.00	.953
100.75	1.00	28.63	.00	.0	24.10	-20.9	-1483.3	.0	.0	65.00	.955
96.00	1.00	28.34	.00	.0	24.51	-22.1	-1597.5	.0	.0	65.00	.843
91.00	1.00	28.03	.00	.0	24.91	-23.0	-1720.0	.0	.0	65.00	.856
86.00	1.00	27.70	.00	.0	25.30	-23.9	-1844.2	.0	.0	65.00	.867
81.00	1.00	27.35	.00	.0	25.69	-24.7	-1970.8	.0	.0	65.00	.877
76.00	1.00	26.99	.00	.0	26.08	-25.6	-2099.2	.0	.0	65.00	.886
71.00	1.00	26.62	.00	.0	26.48	-26.5	-2230.0	.0	.0	65.00	.893
66.00	1.00	26.22	.00	.0	26.87	-27.4	-2362.5	.0	.0	65.00	.899
61.00	1.00	25.79	.00	.0	27.27	-28.4	-2496.7	.0	.0	65.00	.905
56.00	1.00	25.34	.00	.0	27.57	-29.2	-2633.3	.0	.0	65.00	.909
53.25	1.00	25.08	.00	.0	27.89	-30.3	-2709.2	.0	.0	65.00	.911
48.25	1.00	24.57	.00	.0	28.12	-31.1	-2848.3	.0	.0	65.00	.945
47.25	1.00	24.47	.00	.0	28.36	-32.0	-2876.7	.0	.0	65.00	.945
42.25	1.00	23.91	.00	.0	28.73	-33.2	-3018.3	.0	.0	65.00	.947
37.25	1.00	23.30	.00	.0	29.08	-34.2	-3161.7	.0	.0	65.00	.949
32.25	1.00	22.62	.00	.0	29.43	-35.2	-3307.5	.0	.0	65.00	.950
27.25	1.00	21.86	.00	.0	29.78	-36.3	-3454.2	.0	.0	65.00	.950
22.25	1.00	20.98	.00	.0	30.14	-37.3	-3603.3	.0	.0	65.00	.950
17.25	1.00	19.94	.00	.0	30.50	-38.4	-3754.2	.0	.0	65.00	.950
12.25	1.00	19.16	.00	.0	30.86	-39.5	-3906.7	.0	.0	65.00	.950
7.25	1.00	19.16	.00	.0	31.23	-40.7	-4060.8	.0	.0	65.00	.949
2.25	1.00	19.16	.00	.0	31.51	-41.5	-4216.7	.0	.0	65.00	.948
.00	1.00	19.16	.00	.0	31.61	-41.7	-4287.5	.0	.0	64.79	.950

2101 Murray Street
Sioux City, IA 51101

CROWN CASTLE USA INC
Dale Hollow, KY

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DISPLACEMENTS

ELEV	DEFLECTION feet				ROTATION, degrees			
X, ft	X	Y	Z	XY-Result	X	Y	Z	XY-Result
189.00	.00	17.36	-1.11	17.36< 9.18%>	-10.37	.00	.00	10.37

CASE - 3: 3s Gusted Wind&Ice

ANSI-TIA-222-G

WIND OLF	1.00	GUSTED WIND (3sec)	30.0 mph	48.3 kph
VERTICAL OLF	1.20	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.75 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	1.20	PRESSURE @ 32.7 ft	2.4 psf	115.2 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.95	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCES

Sabre Areas

#	Qty	Description	Center Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE Type	Qty	#/Ft	WIND Psf	FORCES Tra-Y Kips	Ax-Z Kips	MOM. Lq-X Ft-K
1	3	12' T-Arm 5' Stand-Off	187.0	309	83.3				3.5	.29	-1.8	-.1
	12	FV90-12-XXXAL4	189.0	65		1 5/8"	12	1.04	3.5		-6.3	
2	3	12' T-Arm 5' Stand-Off	179.0	309	83.2				3.4	.29	-1.8	-.1
	12	FV90-12-XXXAL4	179.0	65		1 5/8"	12	1.04	3.4		-6.1	
3	3	12' T-Arm 5' Stand-Off	169.0	309	83.1				3.4	.28	-1.8	-.1
	12	FV90-12-XXXAL4	169.0	65		1 5/8"	12	1.04	3.4		-6.0	
4	3	12' T-Arm 5' Stand-Off	159.0	309	83.0				3.4	.28	-1.8	-.1
	12	FV90-12-XXXAL4	159.0	65		1 5/8"	12	1.04	3.4		-5.8	
5	3	12' T-Arm 5' Stand-Off	149.0	309	82.8				3.3	.28	-1.8	-.1
	12	FV90-12-XXXAL4	149.0	65		1 5/8"	12	1.04	3.3		-5.6	

RESULTS

X, ft	Kzt	WIND psf	ICE in	--- FORCES, kips ---			--- MOMENTS, ft-kips ---			F'y ksi	Inter 4.8.2
				ShearX	ShearY	AxialZ	BendX	BendY	TorqZ		
189.00	1.00	4.19	1.79	.0	.00	-1.1	.0	.0	.0	65.00	.000
187.00	1.00	4.18	1.79	.0	.49	-7.8	-.1	.0	.0	65.00	.013
182.00	1.00	4.15	1.78	.0	.54	-8.1	-2.6	.0	.0	65.00	.022
179.00	1.00	4.14	1.78	.0	1.02	-15.8	-4.3	.0	.0	65.00	.034
174.00	1.00	4.11	1.77	.0	1.07	-16.3	-9.4	.0	.0	65.00	.052
169.00	1.00	4.09	1.77	.0	1.55	-23.9	-14.8	.0	.0	65.00	.073
164.00	1.00	4.06	1.76	.0	1.60	-24.4	-22.6	.0	.0	65.00	.089
159.00	1.00	4.04	1.76	.0	2.05	-31.9	-30.6	.0	.0	65.00	.110
154.00	1.00	4.01	1.75	.0	2.09	-32.5	-40.9	.0	.0	65.00	.126
149.50	1.00	3.99	1.75	.0	2.11	-32.9	-50.3	.0	.0	65.00	.137
149.00	1.00	3.98	1.75	.0	2.52	-40.0	-51.4	.0	.0	65.00	.091
146.00	1.00	3.97	1.74	.0	2.56	-40.9	-59.0	.0	.0	65.00	.097
141.00	1.00	3.94	1.74	.0	2.60	-41.9	-71.7	.0	.0	65.00	.105
136.00	1.00	3.91	1.73	.0	2.64	-42.8	-84.8	.0	.0	65.00	.112
131.00	1.00	3.88	1.72	.0	2.68	-43.8	-97.9	.0	.0	65.00	.118
126.00	1.00	3.85	1.72	.0	2.72	-44.7	-111.3	.0	.0	65.00	.123
121.00	1.00	3.81	1.71	.0	2.75	-45.8	-124.9	.0	.0	65.00	.128
116.00	1.00	3.78	1.70	.0	2.79	-46.8	-138.7	.0	.0	65.00	.131
111.00	1.00	3.74	1.69	.0	2.83	-47.9	-152.6	.0	.0	65.00	.134
106.00	1.00	3.71	1.69	.0	2.87	-49.0	-166.8	.0	.0	65.00	.137
101.00	1.00	3.67	1.68	.0	2.89	-49.6	-181.1	.0	.0	65.00	.139
100.75	1.00	3.67	1.68	.0	2.91	-50.6	-181.8	.0	.0	65.00	.140
96.00	1.00	3.63	1.67	.0	2.96	-52.4	-195.6	.0	.0	65.00	.123
91.00	1.00	3.59	1.66	.0	3.00	-53.9	-210.4	.0	.0	65.00	.124
86.00	1.00	3.55	1.65	.0	3.04	-55.3	-225.4	.0	.0	65.00	.125
81.00	1.00	3.51	1.64	.0	3.08	-56.7	-240.6	.0	.0	65.00	.126
75.00	1.00	3.46	1.63	.0	3.13	-58.1	-256.0	.0	.0	65.00	.127
71.00	1.00	3.41	1.62	.0	3.17	-59.6	-271.7	.0	.0	65.00	.128
66.00	1.00	3.36	1.61	.0	3.21	-61.1	-287.5	.0	.0	65.00	.129
61.00	1.00	3.31	1.60	.0	3.25	-62.6	-303.5	.0	.0	65.00	.129
56.00	1.00	3.25	1.58	.0	3.28	-64.0	-319.8	.0	.0	65.00	.130
53.25	1.00	3.21	1.58	.0	3.31	-65.6	-328.8	.0	.0	65.00	.130
48.25	1.00	3.15	1.56	.0	3.34	-66.9	-345.3	.0	.0	65.00	.134
47.25	1.00	3.14	1.56	.0	3.36	-68.2	-348.7	.0	.0	65.00	.134
42.25	1.00	3.07	1.54	.0	3.40	-70.1	-365.5	.0	.0	65.00	.135
37.25	1.00	2.99	1.52	.0	3.43	-71.8	-382.4	.0	.0	65.00	.135
32.25	1.00	2.90	1.50	.0	3.46	-73.5	-399.5	.0	.0	65.00	.135
27.25	1.00	2.80	1.48	.0	3.49	-75.2	-416.8	.0	.0	65.00	.135
22.25	1.00	2.69	1.45	.0	3.52	-76.9	-434.3	.0	.0	65.00	.135
17.25	1.00	2.56	1.41	.0	3.55	-78.7	-451.9	.0	.0	65.00	.135
12.25	1.00	2.46	1.37	.0	3.59	-80.5	-469.7	.0	.0	65.00	.134
7.25	1.00	2.46	1.31	.0	3.62	-82.3	-487.6	.0	.0	65.00	.134
2.25	1.00	2.46	1.19	.0	3.64	-83.6	-505.8	.0	.0	65.00	.134
.00	1.00	2.46	1.06	.0	3.66	-83.9	-513.9	.0	.0	64.79	.134

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DISPLACEMENTS

ELEV	DEFLECTION feet				ROTATION, degrees			
X, ft	X	Y	Z	XY-Result	X	Y	Z	XY-Result
189.00	.00	2.12	-.03	2.12< 1.12%>	-1.27	.00	.00	1.27

CASE - 4: Service Loads

ANSI-TIA-222-G

WIND OLF	1.00	GUSTED WIND (3sec)	60.0 mph	96.6 kph
VERTICAL OLF	1.00	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.00 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	.65	PRESSURE @ 32.7 ft	8.6 psf	412.3 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.85	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCES

Sabre Areas

# Qty	Description	Center Line Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE			WIND Psf	FORCES		MOM. Lg-X Ft-K
					Type	Qty	#/Ft		Tra-Y Kips	Ax-Z Kips	
1 3	12' T-Arm 5' Stand-Off	187.0	281	64.6			12.5	.80	-.8	-.2	
12	FV90-12-XXXAL4	189.0	30		1 5/8"	12 1.04	12.5		-2.7		
2 3	12' T-Arm 5' Stand-Off	179.0	281	64.6			12.3	.80	-.8	-.2	
12	FV90-12-XXXAL4	179.0	30		1 5/8"	12 1.04	12.3		-2.6		
3 3	12' T-Arm 5' Stand-Off	169.0	281	64.6			12.2	.79	-.8	-.2	
12	FV90-12-XXXAL4	169.0	30		1 5/8"	12 1.04	12.2		-2.5		
4 3	12' T-Arm 5' Stand-Off	159.0	281	64.6			12.0	.78	-.8	-.2	
12	FV90-12-XXXAL4	159.0	30		1 5/8"	12 1.04	12.0		-2.3		
5 3	12' T-Arm 5' Stand-Off	149.0	281	64.6			11.9	.77	-.8	-.2	
12	FV90-12-XXXAL4	149.0	30		1 5/8"	12 1.04	11.9		-2.2		

RESULTS

K, ft	Kzt	WIND psf	ICE in	FORCES, kips				MOMENTS, ft-kips			F'y ksi	Inter 4.8.2
				ShearX	ShearY	AxialZ	BendX	BendY	TorqZ			
189.00	1.00	8.11	.00	.0	1.00	.0	.0	.0	.0	.0	65.00	.000
187.00	1.00	8.10	.00	.0	1.02	-3.7	-.2	.0	.0	.0	65.00	.007
182.00	1.00	8.05	.00	.0	1.09	-3.8	-5.4	.0	.0	.0	65.00	.026
179.00	1.00	8.02	.00	.0	2.11	-7.4	-8.9	.0	.0	.0	65.00	.042
174.00	1.00	7.98	.00	.0	2.18	-7.6	-19.4	.0	.0	.0	65.00	.072
169.00	1.00	7.93	.00	.0	3.19	-11.1	-30.5	.0	.0	.0	65.00	.102
164.00	1.00	7.88	.00	.0	3.27	-11.3	-46.4	.0	.0	.0	65.00	.135
159.00	1.00	7.83	.00	.0	4.25	-14.7	-63.0	.0	.0	.0	65.00	.167
154.00	1.00	7.77	.00	.0	4.32	-15.1	-84.2	.0	.0	.0	65.00	.200
149.50	1.00	7.73	.00	.0	4.35	-15.3	-103.6	.0	.0	.0	65.00	.226
149.00	1.00	7.72	.00	.0	5.27	-18.5	-106.0	.0	.0	.0	65.00	.145
146.00	1.00	7.69	.00	.0	5.34	-19.1	-121.8	.0	.0	.0	65.00	.158
141.00	1.00	7.63	.00	.0	5.42	-19.7	-148.5	.0	.0	.0	65.00	.176
136.00	1.00	7.57	.00	.0	5.51	-20.1	-175.6	.0	.0	.0	65.00	.191
131.00	1.00	7.52	.00	.0	5.59	-20.7	-203.1	.0	.0	.0	65.00	.204
126.00	1.00	7.45	.00	.0	5.67	-21.2	-231.1	.0	.0	.0	65.00	.216
121.00	1.00	7.39	.00	.0	5.75	-21.7	-259.4	.0	.0	.0	65.00	.225
116.00	1.00	7.33	.00	.0	5.84	-22.3	-288.2	.0	.0	.0	65.00	.234
111.00	1.00	7.26	.00	.0	5.92	-22.9	-317.3	.0	.0	.0	65.00	.241
106.00	1.00	7.19	.00	.0	6.01	-23.5	-346.9	.0	.0	.0	65.00	.247
101.00	1.00	7.12	.00	.0	6.05	-23.8	-377.0	.0	.0	.0	65.00	.252
100.75	1.00	7.11	.00	.0	6.11	-24.5	-378.5	.0	.0	.0	65.00	.253
96.00	1.00	7.04	.00	.0	6.21	-25.7	-407.5	.0	.0	.0	65.00	.223
91.00	1.00	6.97	.00	.0	6.31	-26.7	-438.5	.0	.0	.0	65.00	.226
86.00	1.00	6.88	.00	.0	6.40	-27.5	-470.1	.0	.0	.0	65.00	.229
81.00	1.00	6.80	.00	.0	6.49	-28.3	-502.1	.0	.0	.0	65.00	.231
76.00	1.00	6.71	.00	.0	6.59	-29.1	-534.5	.0	.0	.0	65.00	.233
71.00	1.00	6.62	.00	.0	6.68	-30.0	-567.4	.0	.0	.0	65.00	.235
66.00	1.00	6.52	.00	.0	6.78	-30.8	-600.8	.0	.0	.0	65.00	.237
61.00	1.00	6.41	.00	.0	6.87	-31.7	-634.8	.0	.0	.0	65.00	.238
56.00	1.00	6.30	.00	.0	6.95	-32.6	-669.1	.0	.0	.0	65.00	.239
53.25	1.00	6.23	.00	.0	7.02	-33.7	-688.3	.0	.0	.0	65.00	.240
48.25	1.00	6.11	.00	.0	7.08	-34.5	-723.2	.0	.0	.0	65.00	.248
47.25	1.00	6.08	.00	.0	7.14	-35.4	-730.4	.0	.0	.0	65.00	.248
42.25	1.00	5.94	.00	.0	7.22	-36.6	-766.1	.0	.0	.0	65.00	.249
37.25	1.00	5.79	.00	.0	7.31	-37.6	-802.2	.0	.0	.0	65.00	.249
32.25	1.00	5.62	.00	.0	7.39	-38.6	-838.3	.0	.0	.0	65.00	.249
27.25	1.00	5.43	.00	.0	7.48	-39.6	-875.8	.0	.0	.0	65.00	.250
22.25	1.00	5.21	.00	.0	7.56	-40.7	-913.3	.0	.0	.0	65.00	.249
17.25	1.00	4.96	.00	.0	7.65	-41.7	-950.8	.0	.0	.0	65.00	.249
12.25	1.00	4.76	.00	.0	7.73	-42.8	-989.2	.0	.0	.0	65.00	.249
7.25	1.00	4.76	.00	.0	7.82	-44.0	-1027.5	.0	.0	.0	65.00	.249
2.25	1.00	4.76	.00	.0	7.89	-44.8	-1066.7	.0	.0	.0	65.00	.249
.00	1.00	4.76	.00	.0	7.91	-45.0	-1085.0	.0	.0	.0	64.79	.249

2101 Murray Street
Sioux City, IA 51101

CROWN CASTLE USA INC
Dale Hollow, KY

Ph 712.258.6690
Fx 712.258.8250

DISPLACEMENTS

ELEV	DEFLECTION feet				ROTATION, degrees				Micro
X, ft	X	Y	Z	XY-Result	X	Y	Z	XY-Result	Allow
189.00	.00	4.43	-.08	4.43< 2.34%>	-2.65	.00	.00	2.65	

2101 Murray Street
Sioux City, IA 51101

CROWN CASTLE USA INC
Dale Hollow, KY

Ph 712.258.6690
Fx 712.258.8250

SHAPE: 18 SIDED POLYGON with FLAT-FLAT ORIENTATION
BOLTS: QUADRANT SPACED BOLTS 6.00 in. ON CENTER
LOCATE:

POLE DATA

DIAMETER = 56.89 in.	BASE	AXIAL FORCE=	-55.2 kips	Vert
PLATE = .3750 in.	ACTIONS	SHEAR X =	20.1 kips	Long
TAPER = .2150 in/ft		SHEAR Y =	24.4 kips	Tran
POLE Fy = 65.00 ksi		X-AXIS MOM =	3107.9 ft-kips	Tran
		Y-Axis MOM =	3107.9 ft-kips	Long
		Z-Axis MOM =	.0 ft-kips	Vert

DESIGN CASE = 1 3s Gusted Wind

Design: ANY Orientation Reactions at 45.00 deg to X-AXIS

BOLT LOADS

AXIAL - COMPRESSION	=	211.13 kips	
AXIAL - TENSION	=	204.22 kips	
SHEAR	=	2.78 kips	
AXIAL STRESS	=	64.96 ksi	
SHEAR STRESS	=	.91 ksi	
YIELD STRENGTH Fy	=	75.00 ksi	
ULT. STRENGTH Fu	=	100.00 ksi	Interaction
ALLOW STRESS Fa [.80 x 1.00]	=	80.00 ksi	.835 TIA-G
SHEAR Fv [.80 x .40]	=	32.00 ksi	
TENSION AREA REQUIRED	=	2.64 in ²	
TENSION AREA FURNISHED	=	3.25 in ²	
ROOT AREA FURNISHED	=	3.07 in ²	

A615 ::: ANCHOR BOLT DESIGN USED

16 Bolts on a	63.500 in. Bolt Circle	SHIP
2.250 in. Diameter	67.13 in. Embedded	(lbs)
12.00 in. Exposed	84.00 in. Total Length	2188

CONCRETE - Fc= 4000 psi

ANCHOR BOLTS are STRAIGHT w\ UPLIFT NUT

BASE PLATE

[Bend Model: Flat- 17]
 YIELD STRENGTH = 60.0 ksi
 BEND LINE WIDTH = 30.6 in.
 PLATE MOMENT = 2040.8 in-k
 THICKNESS REQD = 2.723 in.
 BENDING STRESS = 53.0 ksi
 ALLOWABLE STRESS = 54.0 ksi
 [Fy x .90 x 1.00]

BASE PLATE USED

2.75 in. THICK	SHIP
61.75 in. SQUARE	(lbs)
43.25 in. CENTER HOLE	1524
12.00 in. CORNER CLIP	

LOAD CASE SUMMARY

LC	FORCES- (kips)			MOMENTS- (ft-k)			ABolt-Str		Plate-Str		Design Code
	Axial	ShearX	ShearY	X-axis	Y-axis	TorQ	CSR	ksi	ksi	ksi	
1	55.2	20.1	24.4	2800	3388	0	.835	75.00	52.96	54.00	TIA-G
2	41.7	20.1	24.4	2731	3304	0	.812	75.00	51.45	54.00	TIA-G
3	83.9	2.3	2.8	327	396	0	.116	75.00	7.44	54.00	TIA-G
4	45.0	5.0	6.1	691	836	0	.214	75.00	13.58	54.00	TIA-G

MAT FOUNDATION DESIGN BY SABRE COMMUNICATIONS CORP.

190' Monopole CROWN CASTLE USA INC Dale Hollow, KY (08-10303) 11-13-07 KJT

Overall Loads:

Factored Moment (ft-kips)	4395.83
Factored Axial (kips)	55.248
Factored Shear (kips)	31.603
Bearing Design Strength (ksf)	11.25
Water Table Below Grade (ft)	999
Width of Mat (ft)	23.5
Thickness of Mat (ft)	2
Depth to Bottom of Slab (ft)	5.5
Quantity of Bars in Bolt Circle	16
Bolt Circle Diameter (in)	63.5
Top of Concrete to Top of Bottom Threads (in)	60
Diameter of Pier (ft)	7
Ht. of Pier Above Ground (ft)	1
Ht. of Pier Below Ground (ft)	3.5
Quantity of Bars in Mat	34
Bar Diameter in Mat (in)	1
Area of Bars in Mat (in ²)	26.70
Spacing of Bars in Mat (in)	8.33
Quantity of Bars Pier	36
Bar Diameter in Pier (in)	1
Tie Bar Diameter in Pier (in)	0.5
Spacing of Ties (in)	12
Area of Bars in Pier (in ²)	28.27
Spacing of Bars in Pier (in)	6.63
f _c (ksi)	4
f _y (ksi)	60
Unit Wt. of Soil (kcf)	0.11
Unit Wt. of Concrete (kcf)	0.15

Volume of Concrete (yd³) 47.32

Two-Way Shear Action:

Average d (in)	20
ϕV_c (kips)	1239.8
$\phi V_c = \phi(2 + 4/\beta_c)f_c^{1/2}b_o d$	1859.8
$\phi V_c = \phi(\alpha_s d/b_o + 2)f_c^{1/2}b_o d$	1378.9
$\phi V_c = \phi 4f_c^{1/2}b_o d$	1239.8
Shear perimeter, b _o (in)	326.73
β_c	1

One-Way Shear:

ϕV_c (kips) 606.4

Stability:

Overturning Design Strength (ft-k) 4702.7

Max. Net Bearing Press. (ksf)

4.35

Ultimate Bearing Pressure (ksf)
Bearing ϕ_s

15.00
0.75

Minimum Pier Diameter (ft)
Equivalent Square b (ft)

6.79
6.20

Recommended Spacing (in)

6 to 12

Minimum Pier A_s (in²)
Recommended Spacing (in)

27.71
6 to 12

V_u (kips)

59.0

V_u (kips)

244.4

Total Applied M (ft-k)

4601.2

MAT FOUNDATION DESIGN BY SABRE COMMUNICATIONS CORP. (CONTINUED)
 190' Monopole CROWN CASTLE USA INC Dale Hollow, KY (08-10303) 11-13-07 KJT

Pier Design:

ϕV_n (kips)	609.9	V_u (kips)	31.6
$\phi V_c = \phi 2(1 + N_u / (2000 A_g)) f'_c{}^{1/2} b_w d$	609.9		
V_s (kips)	0.0	*** $V_s \text{ max} = 4 f'_c{}^{1/2} b_w d$ (kips)	1428.0
Maximum Spacing (in)	5.61	(Only if Shear Ties are Required)	

*** Ref. To Spacing Requirements ACI 11.5.4.3

Flexure in Slab:

ϕM_n (ft-kips)	2302.9	M_u (ft-kips)	2258.0
a (in)	1.67		
Steel Ratio	0.00473		
β_1	0.85		
Maximum Steel Ratio (.75 p_b)	0.0214		
Minimum Steel Ratio	0.0018		
Rebar Development in Pad (in)	138.00	Required Development in Pad (in)	46.47

2258.0

↳ SEE NEXT PAGE

Condition	1 is OK, 0 Fails
Maximum Soil Bearing Pressure	1
Pier Area of Steel	1
Pier Shear	1
Interaction Diagram Visual Check	1
Two-Way Shear Action	1
One-Way Shear Action	1
Overturning	1
Flexure	1
Steel Ratio	1
Length of Development in Pad	1



NAME **KJT**

DATE **11/13/07**

FILE NO. **08-10303**

CUSTOMER **CROWN CASTLE USA**

PAGE

PROJECT **DALE HOLLOW, KY**

A3

BEARING PRESSURE & SLAB BENDING

REACTIONS: $M_u = 4395.8$
 $P_u = 55.25^k$
 $V_u = 31.6^k$

$M_u' = 4395.8 + (31.6)(6.5') = 4601.25^k$

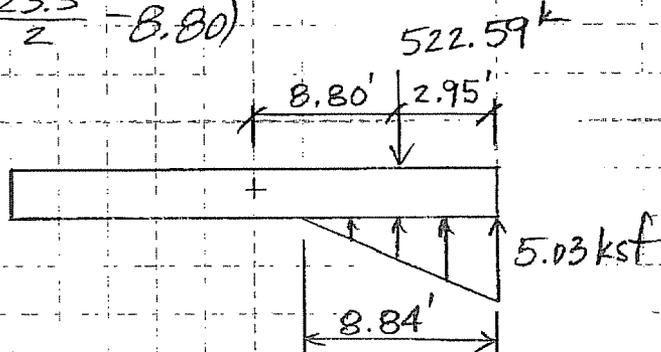
SOIL WT. = $(0.11)(23.5^2 - 7^2(\pi/4))(3.5) = 197.80^k$

CONCRETE WT. = $(0.15)(7^2(\pi/4)(4.5) + (23.5)^2(2)) = 191.65^k$

$P_u = 55.25 + 1.2(197.8 + 191.65) = 522.59^k$

$e = \frac{4601.25}{522.59} = 8.80'$ (OUTSIDE MIDDLE 1/3)

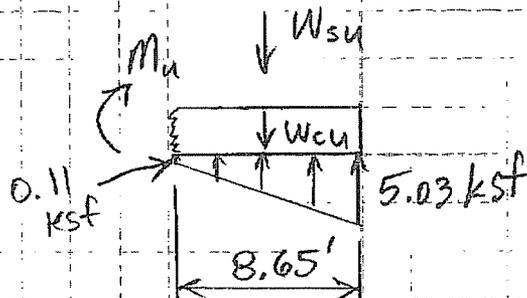
$q_u = \frac{2(522.59)}{3(23.5)(\frac{23.5}{2} - 8.80)} = 5.03 \text{ ksf}$



7' ϕ PIER \Rightarrow 6.2' EQUIV. SQ.

$W_{su} = 1.2(78.26) = 93.9^k$

$W_{cu} = 1.2(60.98) = 73.2^k$



$M_u = (0.11)(8.65)(23.5)(\frac{8.65}{2}) + (5.03 - 0.11)(\frac{1}{2})(8.65)(23.5)(8.65)(\frac{2}{3})$
 $- (93.9 + 73.2)(\frac{8.65}{2}) = 2258^k$

Exhibit J

Geotechnical Report

SUBSURFACE INVESTIGATION

Proposed Dale Hollow Cell Site – LOC# 8531 3666

State Park Road & Mary Ray Oaken Lodge Road, Burkesville, Kentucky,

(Cumberland County)

GPD Project # 2007184



GPD GROUP

8275 Allison Pointe Trail
Suite 220
Indianapolis, IN 46250

Phone: 317-299-2996
Fax: 317-293-1331



Prepared For:

Brendan Walsh
2000 Corporate Drive
Canonsburg, PA

November 2, 2007

**SUBSURFACE INVESTIGATION &
FOUNDATION RECOMMENDATIONS**

**PROPOSED CELL TOWER
DALE HOLLOW STATE PARK SITE
BURKESVILLE, KENTUCKY**

Prepared for:

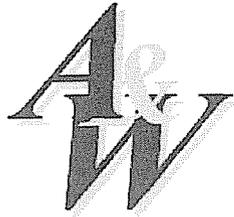
**GPD ASSOCIATES, INC.
INDIANAPOLIS, INDIANA**

Prepared by:

**ALT & WITZIG ENGINEERING, INC.
WEST CHESTER, OHIO**

NOVEMBER 2, 2007

PROJECT NO. 07CN0291



Alt & Witzig Engineering, Inc.

6205 Schumacher Park Drive • West Chester, Ohio 45069
(513) 777-9890 • Fax (513) 777-9070

November 2, 2007

GPD Associates, Inc.
8275 Allison Point Trail
Suite 220
Indianapolis, Indiana 46250
ATTN: Ms. Traci Preble

RE: Subsurface Investigation &
Foundation Recommendations
Proposed Cell Tower
Dale Hollow State Park Site
Burkesville, Kentucky
Alt & Witzig File: 07CN0291

Gentlemen:

In compliance with your request, we have completed a foundation investigation and evaluation for the above referenced project. It is our pleasure to transmit herewith three (3) copies of our report.

SITE LOCATION:

The site is located in within Dale Hollow State Park in Burkesville, Kentucky. Specifically, this site is located near the intersection of State Park Road and Mary Ray Oaken Lodge Road. The general vicinity of the site is shown on the enclosed site location map in the appendix of this report.

The purpose of this subsurface investigation was to determine the various soils profile components, determine the engineering characteristics of the materials encountered, and provide information to be used in preparing foundation designs for the proposed communication tower.

Field Services

The field investigation included reconnaissance of the project site, drilling one (1) soil boring for the tower center as located by Alt & Witzig, performing standard penetration tests, and obtaining soil samples retained in the standard split-spoon sampler. The apparent groundwater level at the boring location was also determined.

GPD Associates
Dale Hollow State Park Tower
Alt & Witzig File No.: 07CN0291
November 2, 2007
Page 2

The soil borings were performed with a conventional drilling rig equipped with a rotary head. Conventional hollow-stem augers were used to advance the holes. Representative samples were obtained employing split-spoon sampling procedures in accordance with ASTM Procedure D-1586.

During the sampling procedure, standard penetration tests were performed at regular intervals to obtain the standard penetration value of the soil. The standard penetration value is defined as the number of blows of a 140-pound hammer, falling thirty (30) inches, required to advance the split-spoon sampler one (1) foot into the soil. The results of the standard penetration tests indicate the relative density and comparative consistency of the soils, and thereby provide a basis for estimating the relative strength and compressibility of the soil profile components.

Laboratory Testing

The types of soils encountered in the borings were visually classified and are described in detail on the boring logs. Representative samples of the soils encountered in the field were placed in sample jars and are now stored in our laboratory. Unless notified to the contrary, all samples will be disposed of after three (3) months.

Recommendations for Tower

Information provided by GPD Associates indicates that the self-support cell tower will be constructed in the general vicinity of soil boring B-1. It is anticipated that the tower will be approximately 190 feet tall. It is anticipated that the structural loads of the tower will be supported by a conventional spread footings or drilled pier foundation.

Our boring encountered approximately three (3) inches of topsoil at the ground surface. Beneath the topsoil layer, the boring encountered medium to very stiff sandy clay with limestone to the borings termination depth of approximately thirty-six (36) feet below the ground surface.

The following soil parameters can be used to design a shallow foundation. Due to the seasonal variations in moisture content and freeze thaw cycles, no skin friction or resistance to passive pressure should be considered above four (4) feet.

Soil Description	Depth Below Existing Grade	Bearing Pressure (psf) SF=3	Dry Density (pcf)	ϕ	K_p	Coefficient of Friction Against Sliding
Silty and Sandy Clay	4' +	5,000	110	20°	2.0	0.50

The weight of the backfill above the footings will be used to resist uplift forces; therefore, it is recommended that proper compaction techniques be maintained. Using approved granular material, it is recommended that a density of 100% maximum dry density in accordance with ASTM D-698 be achieved above the footings to finished grade.

Caissons/Drilled Piers

A caisson type foundation system can be used to support this structure. A caisson type foundation is advantageous to use when it is necessary to resist large overturning moments such as those caused by wind loads against the proposed structure. If caissons or drilled piers are used to support the structure, the following design parameters are recommended:

Depth Below Grade (Feet)	Allowable Skin Friction (psf) SF=2	Design End Bearing Pressure SF=3	Cohesion (Psf)
From ground surface to a depth of 4 feet below grade.	Negligible	---	Negligible
4' + below grade	1,000	5,000	750

Caissons should be no less than 30 inches in diameter.

The boring indicated dry conditions during and upon completion of operations. Also, depending upon the weather conditions while excavations are open, seepage from surface runoff may occur into shallow excavations. Every effort should be made to keep the excavations dry should water be encountered.

GPD Associates
Dale Hollow State Park Tower
Alt & Witzig File No.: 07CN0291
November 2, 2007
Page 4

Resistivity

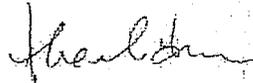
Resistivity testing was performed near the center of the proposed tower. The following table illustrates the results of this testing:

Depth Below Existing Grade	Resistivity
5 feet	4,213 ohms-cm
10 feet	8,331 ohms-cm
15 feet	8,618 ohms-cm
20 feet	9,193 ohms-cm

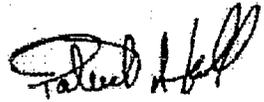
Often, because of design and construction details that occur on a project, questions rise concerning the soil conditions. If we can give further service in these matters, please contact us at your convenience.

Respectfully Submitted,

ALT & WITZIG ENGINEERING, INC.



Alexander S. Ham, E.I.T.
Project Engineer

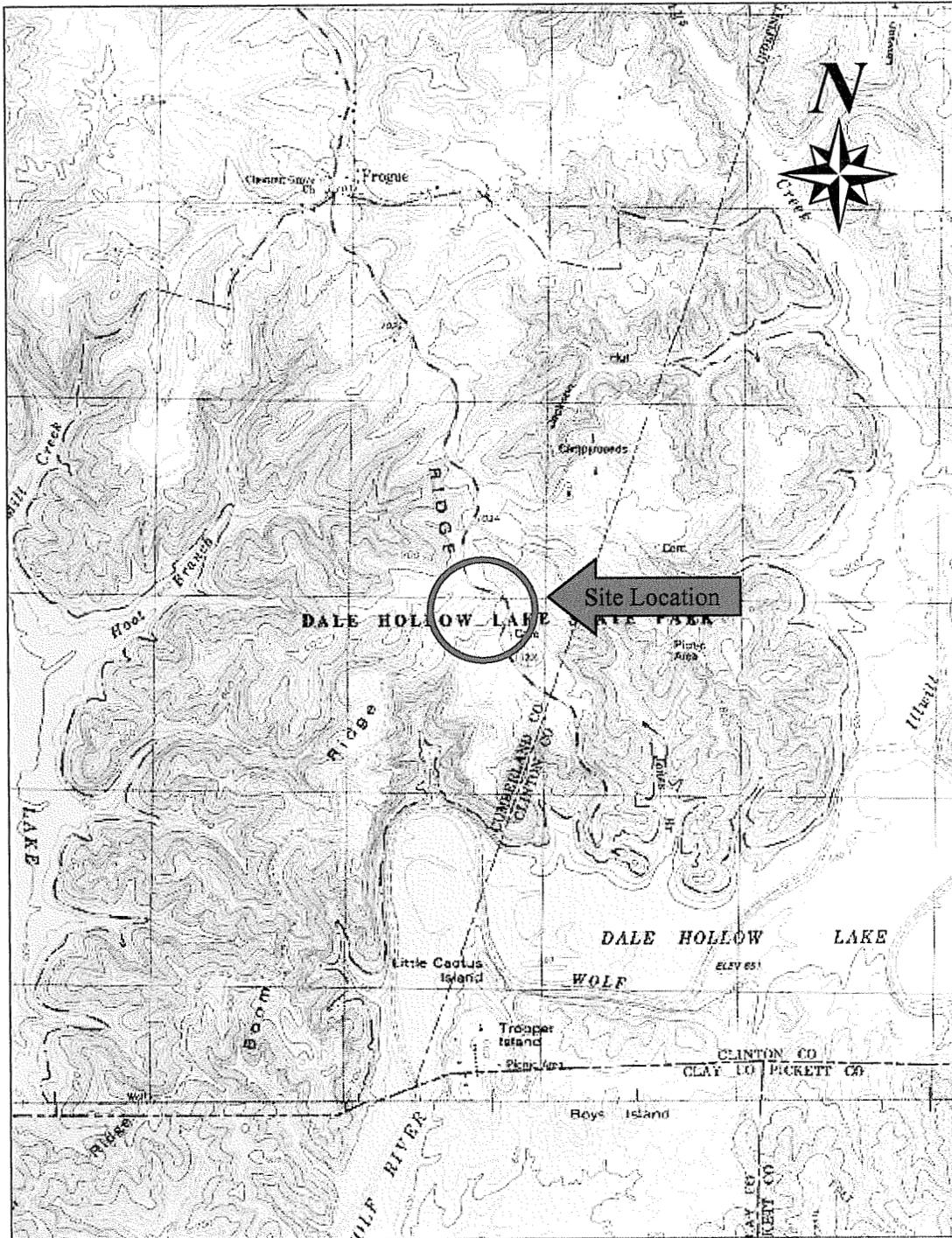


Patrick A. Knoll, P.E.



APPENDIX

SITE LOCATION MAP



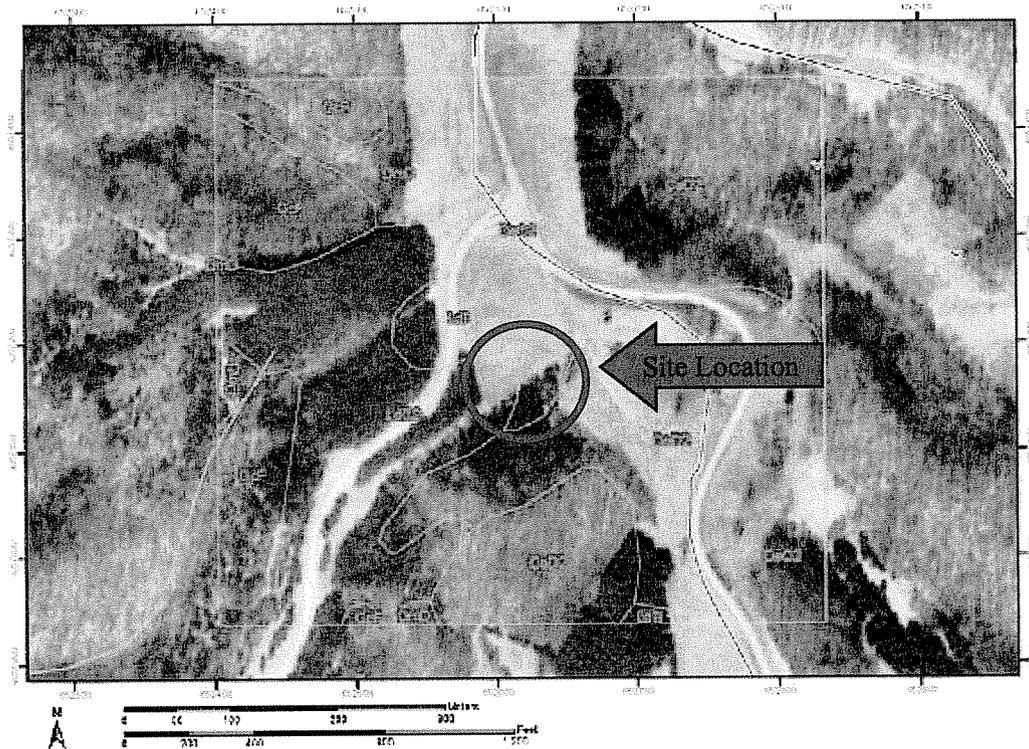
Scale: 1 inch = 2,000 feet

Prepared For: GPD Associates		Prepared By: Alt & Witzig Engineering, Inc.
Project Name: Dale Hollow State Park Cell Tower	Project No: 07CN0291	Date: 11/07

SOIL SURVEY MAP of CUMBERLAND COUNTY



Custom Soil Resource Report
Soil Map



Prepared For:
GPD Associates



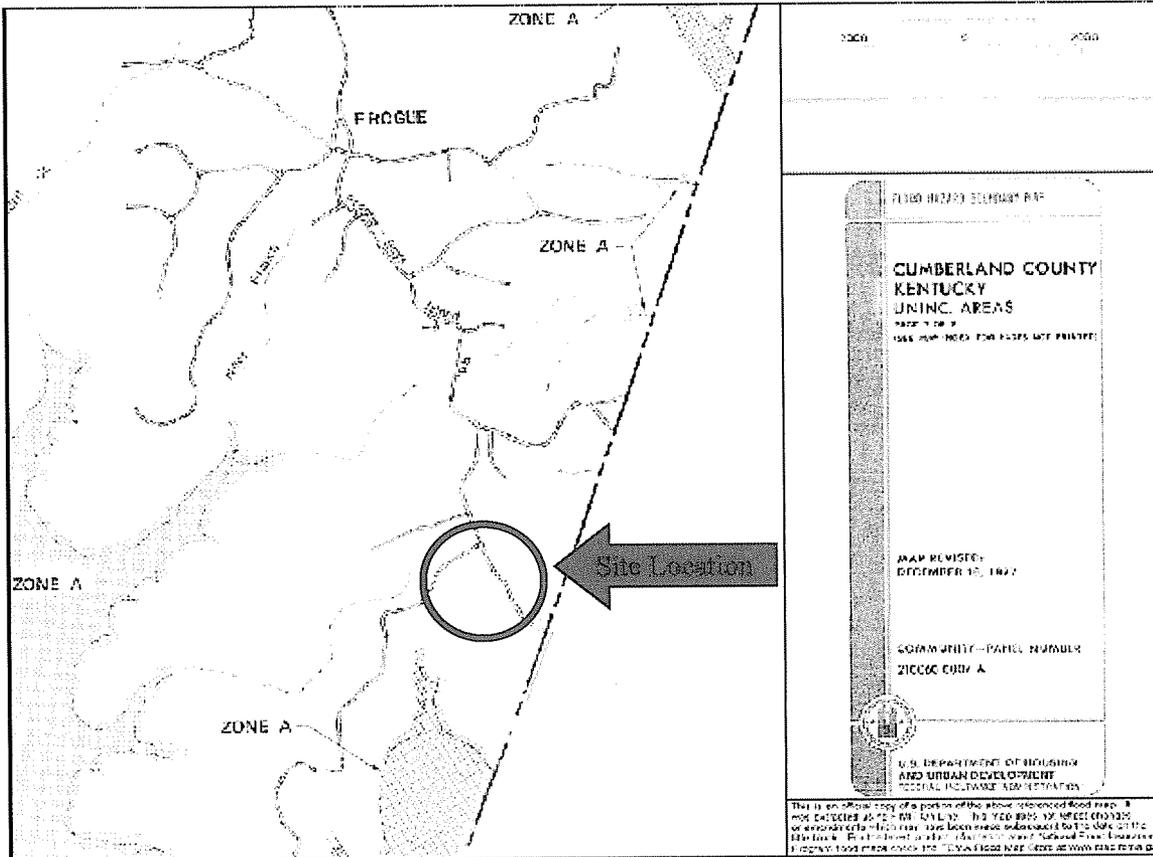
Prepared By:
Alt & Witzig Engineering, Inc.

Project Name:
Dale Hollow State Park Cell Tower

Project No:
07CN0291

Date:
11/07

FEMA Flood Insurance Rate Map



Prepared For:
GPD Associates



Prepared By:
Alt & Witzig Engineering, Inc.

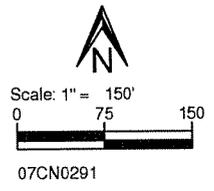
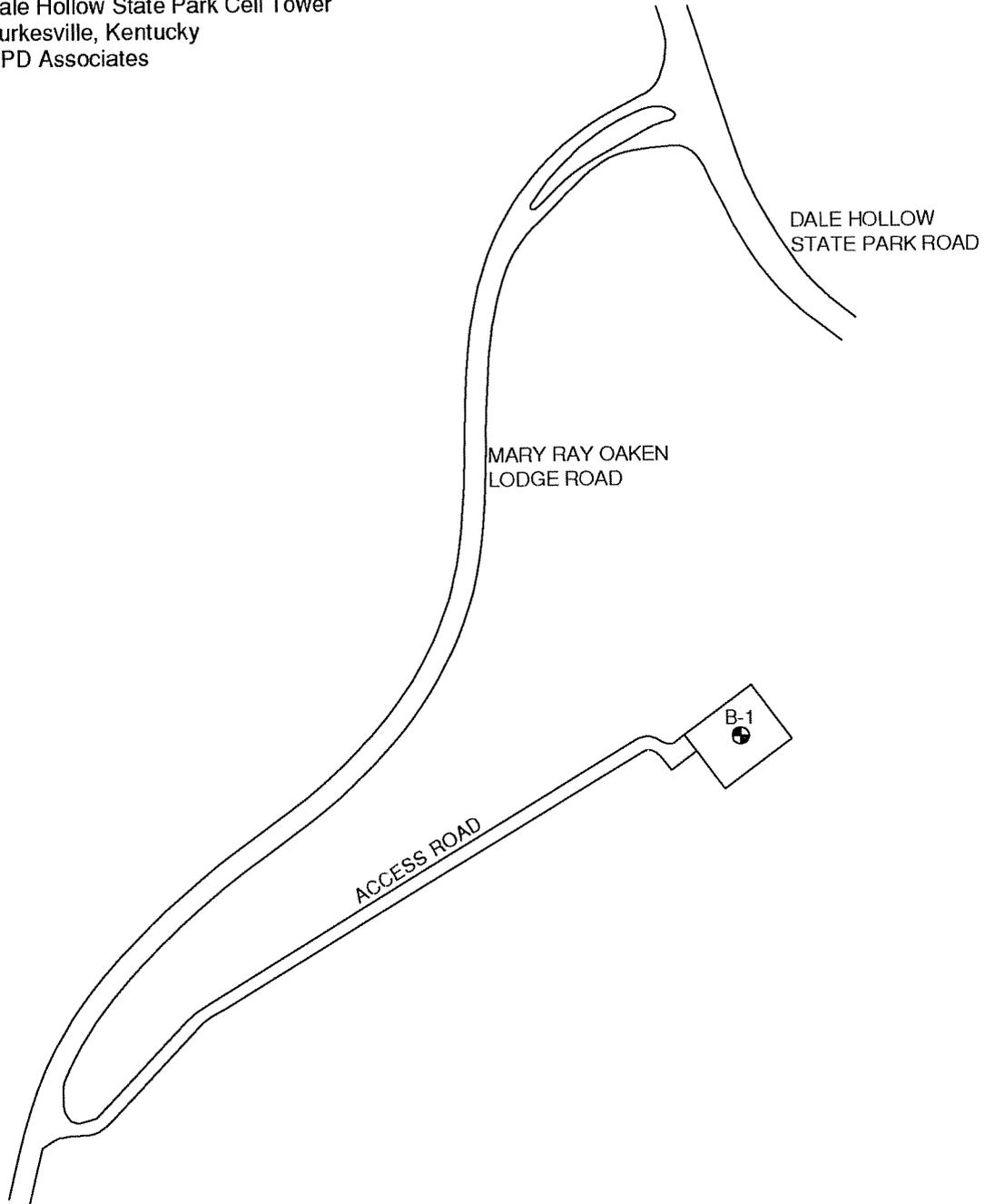
Project Name:
Dale Hollow State Park Cell Tower

Project No:
07CN0291

Date:
11/07

**BORING
LOCATION
PLAN**

Dale Hollow State Park Cell Tower
Burkesville, Kentucky
GPD Associates



07CN0291



RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT GPD Associates
 PROJECT NAME Dale Hollow State Park Cell Tower
 LOCATION Burkesville, Kentucky

Boring # B-1
 Alt & Witzig File No. 07CN0291

DRILLING and SAMPLING INFORMATION

Date Started 10/30/2007 Hammer Wt. 140 lbs.
 Date Completed 10/30/2007 Hammer Drop 30 in.
 Boring Method HSA Spoon Sampler OD 2 in.

STRATA ELEV.	SOIL CLASSIFICATION	Depth Scale	Strata Depth	Sample No.	Sample Type	Sampler Graphics	Ground Water	Standard Penetration Test, N - Blows/foot	Cu - tsf Unconfined Compressive Strength	Pp - tsf Pocket Penetrometer	Moisture Content %	Remarks
	0.0-3" Topsoil											
	3"-2.0 Orange-Brown Clay Trace Sand and Gravel		2.0	1	SS	X		24		4.5+	19.0	
	2.0-8.0 Red- Orange Sandy Clay Trace Limestone		5	2	SS	X		20		4.5	23.5	
			8.0	3	SS	X		18		4.0	29.1	
	8.0-14.0 Red-Orange-Brown Sandy Clay with Limestone Layers		10	4	SS	X		26		3.5	28.2	
			14.0	5	SS	X		25		3.5	32.4	
			15									
			20	6	SS	X		15		3.3	28.3	
			25	7	SS	X		16		2.5	31.2	
	14.0-25.0 Red-Orange-Brown Clay Trace Sand and Limestone		30	8	SS	X		16		2.0	21.5	
			35	9	SS	X		14		2.0	29.1	
			36.0	10	SS	X		15		2.0	17.2	
	Boring Terminated at 36.0 feet											

Boring Method
 HSA - Hollow Stem Augers
 CFA - Continuous Flight Auger
 DC - Driving Casing
 MD - Mud Drilling

GROUNDWATER
 ▽ At Completion Dry ft.
 ▽ After _____ hours _____ ft.
 ○ Water on Rods Dry ft.
 C - Boring Caved Depth

Sample Type
 SS - Driven Split Spoon
 ST - Pressed Shelby Tube
 CA - Continuous Flight Auger
 RC - Rock Core
 CU - Cuttings

GENERAL NOTES

SAMPLE IDENTIFICATION

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

SOIL PROPERTY SYMBOLS

- N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.
- Qu: Unconfined compressive strength, TSF
- Qp: Penetrometer value, unconfined compressive strength, TSF
- Mc: Water content, %
- LL: Liquid limit, %
- PL: Plastic limit, %
- Dd: Natural dry density, PCF
- ___ : Apparent groundwater level at time noted after completion

DRILLING AND SAMPLING SYMBOLS

- SS: Split-spoon - 1 3/8" I.D., 2" O.D., except where noted
- ST: Shelby tube - 3" O.D., except where noted
- AU: Auger sample
- DB: Diamond bit
- CB: Carbide bit
- WS: Washed sample

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

<u>TERM (NON-COHESSIVE SOILS)</u>	<u>BLOWS PER FOOT</u>
Very loose	0 - 4
Loose	5 - 10
Firm	11 - 30
Dense	31 - 50
Very Dense	Over 50

<u>TERM (COHESIVE SOILS)</u>	<u>Qu (TSF)</u>
Very soft	0 - 0.25
Soft	0.25 - 0.50
Medium	0.50 - 1.00
Stiff	1.00 - 2.00
Very Stiff	2.00 - 4.00
Hard	4.00+

PARTICLE SIZE

Boulders	8 in.(+)	Coarse Sand	5 mm-0.6 mm	Silt	0.075 mm - 0.005 mm
Cobbles	8 in. - 3 in.	Medium Sand	0.6mm-0.2 mm	Clay	0.005mm(-)
Gravel	3 in. - 5 mm	Fine Sand	0.2mm-0.075 mm		

Exhibit K

Directions to WCF Site

**DIRECTIONS TO
DALE HOLLOW LAKE STATE PARK CELL SITE**

From the Cumberland County seat. . .

- Head southwest on KY-61/KT-90/S Main St. toward Spencer St./E Spencer St. Continue to follow KY-90; Go 4.0 mi.
- Turn right at KY-449/Modoc Rd./Sulfur Creek Rd. Continue to follow KY-449/Modoc Rd.; Go 3.4 mi.
- Slight right to stay on KY-449/Modoc Rd.; Go 1.2 mi.
- Slight left at KY-1206/Stat Park Rd.; Go 0.7 mi.
- Turn right to stay on KY-1206/State Park Rd.; Go 2.9 mi.
- Continue on Dale Hollow Lake State Park Rd.; Go 1.5 mi.
- Arrive at destination.

Prepared by: Boulton, Cummings, Connors, & Berry, PLC, 1600 Division St., Suite 700, P.O. Box 340025, Nashville, TN 37203.

Exhibit L

Option and Ground Lease

Site Name: Dale Hollow, Burkesville
Site Number: 8531-3666

805890

OPTION AND GROUND LEASE AGREEMENT
COMMONWEALTH OF KENTUCKY

THIS OPTION AND GROUND LEASE AGREEMENT (the "Agreement") is made this ____ day of _____, 200__, by and between Commonwealth of Kentucky, Department of Parks having a mailing address of Division of Real Properties, Bush Building, Third Floor, 403 Wapping Street, Frankfort, Kentucky 40601 ("Lessor") and Crown Communication Inc., a Delaware corporation, with its principal place of business located at 2000 Corporate Drive, Canonsburg, Pennsylvania 15317-8564 ("Lessee").

1. **Definitions.**

"Agreement" means this Ground Lease Agreement.

"Approvals" means all certificates, permits, licenses and other approvals that Lessee, in its sole discretion, deems necessary for its intended use of the Leased Premises.

"Defaulting Party" means the party to this Agreement that has defaulted as provided for in Section 32 of this Agreement.

"Due Diligence Investigation" has the meaning set forth in Section 3 of this Agreement.

"Easements" and "Utility Easement" have the meanings set forth in Section 11 of this Agreement.

"Hazardous Substance" shall have the same definition as contained in the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§9601 *et seq.* and regulations promulgated pursuant thereto.

"Hazardous Wastes" shall have the same definition as contained in the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 *et seq.* and regulations promulgated pursuant thereto.

"Improvements" means a wireless communications facility, including tower structures, equipment shelters, meter boards and related improvements and structures and uses incidental thereto.

"Initial Term" means a period of fifteen (15) years commencing upon the date of this Agreement.

"Lease Term" means the Initial Term and any Renewal Terms.

"Leased Premises" means that portion of Lessor's Property consisting of a parcel of approximately 100 feet by 100 feet

by 122 feet by 70 feet. The boundaries of the Leased Premises may be subject to modification as set forth in Section 10.

"Lessee's Notice Address" means c/o Crown Castle International Corp., E. Blake Hawk, General Counsel, Attn: Real Estate Department, 2000 Corporate Drive, Canonsburg, PA 15317-8564, 1-866-482-8890.

"Lessor's Notice Address" means c/o Commonwealth of Kentucky, Division of Real Properties, Bush Building, Third Floor, 403 Wapping Street, Frankfort, Kentucky 40601.

"Lessor's Property" means the parcel of land located in the Dale Hollow Lake State Park in Cumberland County, Commonwealth of Kentucky, being further described in the instrument recorded in Deed Book 74, page 167 Cumberland County, Kentucky Clerk's Office a copy of said instrument being attached hereto as Exhibit "A."

"Non-Defaulting Party" means the party to this Agreement that has not defaulted as provided for in Section 32 of this Agreement.

"Option" means the exclusive right granted to Lessee by Lessor to lease the Leased Premises pursuant to Section 2 of this Agreement.

"Option Extension Fee" means the sum of _____ for the first Renewal Option Period; _____ for the second Renewal Option Period; _____ for the third Renewal Option Period and _____ for the Fourth Renewal Option Period.

"Option Fee" means the sum of _____

"Option Period" means the twelve (12) month period commencing on the date of this Agreement.

"Renewal Term" means a period of fifteen (15) years commencing upon the expiration of the Initial Term or prior Renewal Term, as the case may be.

"Rent" means the consideration payable by Lessee to Lessor in exchange for the Leased Premises in the amount of _____ per year to be paid in equal monthly installments of _____. After the first (1st) year of the Lease Term, the Rent shall increase by three percent (3%) over the Rent that was in effect during the previous first (1st) year period. For every year period thereafter during the Lease Term, the

Rent shall be increased by three percent (3%) over the previous year period.

2. **Grant of Option to Lease.** In consideration of the Option Fee paid by Lessee to Lessor upon Lessee's execution of this Agreement, Lessor hereby grants to Lessee the Option during the Option Period to lease, on the terms and conditions set forth in this Agreement, the Leased Premises.

3. **Due Diligence Investigation.**

(A) **Inspection Rights.** During the Option Period, Lessee shall have the right to analyze the suitability of the Leased Premises for its intended use. Lessee and its employees, agents, contractors, engineers, and surveyors shall have the right to enter upon Lessor's Property to inspect, conduct, perform and examine soil borings, drainage testing, material sampling, surveys and other geological or engineering tests or studies of Lessor's Property, to apply for and obtain all licenses and permits required for Lessee's use of the Leased Premises from all applicable governmental or regulatory entities, and to do those things on or off Lessor's Property that, in the sole opinion of Lessee, are necessary to determine the physical condition of Lessor's Property, the environmental history of Lessor's Property, Lessor's title to Lessor's Property and the feasibility or suitability of the Leased Premises for Lessee's use as defined in this Agreement, all at Lessee's expense (the "Due Diligence Investigation"). Activities conducted in connection with Lessee's Due Diligence Investigation shall not be deemed to constitute exercise of the Option or commencement of construction of the Improvements.

(B) **Temporary Access Road and Easement for Due Diligence Investigation.** To facilitate Lessee's Due Diligence Investigation, Lessor hereby grants Lessee and its employees, agents, contractors, engineers and surveyors the right and an easement to construct and use a temporary pedestrian and vehicular access roadway from a public road, across Lessor's Property, to the Leased Premises. The location of said temporary pedestrian and vehicular access roadway on Lessor's Property is shown on Exhibit "B." Such construction shall not be deemed to constitute exercise of the Option or commencement of construction of the Improvements.

4. **Extension, Termination and Exercise of Option.**

(A) **Right to Extend Option Period.** If the Option is not exercised or terminated by Lessee during the Option Period, the Option shall be automatically extended for four (4) additional one (1) year periods (each year a "Renewal Option Period") unless the Option is exercised or terminated by Lessee in accordance with the terms of this Agreement. In consideration of the extension of the Option pursuant to each Renewal Option Period, Lessee

shall pay to Lessee the Option Extension Fee within thirty (30) days of the commencement of each Renewal Option Period.

(B) **Right to Terminate Option.** Lessee shall have the right to terminate this Agreement at any time prior to the expiration of the Option Period or any extension thereof by sending written notice of termination to Lessor.

(C) **Expiration of Option Term; Exercise of Option.** If, upon expiration of the Option Period (as it may have been extended) Lessee has not exercised the Option, this Agreement shall terminate. Upon such termination, neither party shall have any further rights or duties hereunder. Lessor shall retain the Option Fee and any Option Extension Fee previously paid. Prior to expiration of the Option Period (as it may have been extended) Lessee may exercise the Option by either (i) providing written notice to Lessor of such exercise or (ii) commencing construction of the Improvements. Upon exercise of the Option, the Lease Term shall commence and the Easements shall become effective.

5. **Lessor's Cooperation.** During the Option Period and the Lease Term, Lessor shall: (i) cooperate with Lessee in its efforts to perform its Due Diligence Investigation and to obtain all of the Approvals, including all appeals; and (ii) take no action that would adversely affect the Leased Premises. Lessor acknowledges that Lessee's ability to use the Leased Premises is contingent upon Lessee obtaining and maintaining the Approvals. Lessor agrees to execute such documents as may be necessary to obtain and thereafter maintain the Approvals, and agrees to be named as the applicant for said Approvals.

6. **Subdivision; Perpetual Easement.** In the event that a subdivision of Lessor's Property is legally required to lease the Leased Premises to Lessee, Lessor agrees to seek subdivision approval at Lessee's expense. Lessor also agrees to grant a perpetual easement to Lessee over the Leased Premises, instead of a lease, upon a mutually agreeable lump sum payment, if Lessee determines, in Lessee's sole discretion, that it is necessary to do so in order to obtain the Approvals. In such an event, Lessee shall have the right to make a one-time lump sum payment in consideration for said perpetual easement in lieu of paying the Rent.

7. **Lease Term.** Effective upon the date of exercise of the Option, Lessor leases the Leased Premises to Lessee for the Initial Term. The term of this Agreement shall automatically be extended for one (1) successive Renewal Term, unless this Agreement is terminated pursuant to the provisions set forth herein.

8. **Rent.** Following commencement of the Initial Term, Lessee shall pay Rent for the Leased Premises. The first payment of Rent shall be made on the first day of the

month following the month in which the Option was exercised.

9. **Colocation Revenue.** In the event Lessee enters into a sublease, license, right of use or similar agreement with a third party, whereby said third party installs and operates the second communications facility on the Leased Premises ("Qualified Third Party Use Agreement"), Lessee shall pay Lessor an additional per month ("Colocation Rent") for the Qualified Third Party Use Agreement. In the event Lessee enters into a sublease, license, right of use or similar agreement with a third party for anything other than cellular or PCS use ("Noncellular Qualified Third Party Use Agreement"), Lessee shall pay Lessor an additional the Lessee's Rent payable hereunder (the "Noncellular Colocation Rent"). The Colocation Rent and Noncellular Colocation Rent shall be due and payable with the monthly rent payable under the Lease, commencing on the first monthly rent payment under the Lease following Lessee's receipt of the first month's rental under the Qualified Third Party Use Agreement or Noncellular Qualified Third Party Use Agreement. Upon the expiration or earlier termination of the Qualified Third Party Use Agreement or Noncellular Qualified 3rd Party Use Agreement, no Colocation Rent or Noncellular Colocation Rent shall be due.

10. **Leased Premises; Survey.** Following exercise of the Option and completion of construction of the wireless communications facility on the Leased Premises, Lessee shall provide Lessor with a copy of an "as-built" survey, which shall depict and identify the boundaries of the Leased Premises and the Easements, and replace and supersede the sketch attached hereto as Exhibit "B." The "as-built" survey shall be deemed to be incorporated into this Agreement as Exhibit "C" even if not physically affixed hereto. The description of the Leased Premises set forth in Exhibit "C" shall control in the event of discrepancies between Exhibit "B" and Exhibit "C."

11. **Easements.** Conditioned upon and subject to commencement of the Lease Term Lessor grants the following easements and rights-of-way over, under and upon Lessor's Property to Lessee, Lessee's employees, agents, contractors, sublessees, licensees and their employees, agents and contractors: (i) an easement over such portions of Lessor's Property as is reasonably necessary for the construction, repair, maintenance, replacement, demolition and removal of the facility to be located upon Leased Premises; (ii) an easement over such portion of Lessor's Property as is reasonably necessary to obtain or comply with any Approvals; (iii) a thirty foot (30') wide easement in the location shown in Exhibit "B," as may be amended by Exhibit "C," for construction, use, maintenance and repair of an access road for ingress and egress seven (7) days per week, twenty-four (24) hours per day, for pedestrians and all types of motor vehicles, to extend from the nearest public right-of-way to the Leased Premises; (iv) a utility easement (the "Utility Easement")

in the location shown in Exhibit "B," as may be amended by Exhibit "C," for the installation, repair, replacement and maintenance of utility wires, poles, cables, conduits and pipes, provided that in the event that any public utility is unable or unwilling to use the Utility Easement in the location shown in Exhibit "B," as may be amended by Exhibit "C," at the sole option of Lessee Lessor shall grant an alternate easement either to Lessee or directly to the public utility at no cost and in a location acceptable to Lessee and the public utility; and, (v) an easement for a right to install, maintain and replace guy wires, and an easement over Lessor's Property extending from each guy wire anchor point to the guy wire attachment point on the tower], as shown in Exhibit "B," as may be amended by Exhibit "C" (collectively, the "Easements"). TO HAVE AND TO HOLD the Easements for the purposes provided during the Lease Term and thereafter for a reasonable period of time for Lessee to remove its improvements.

12. **Right to Terminate; Effect of Termination**

(A) **By Lessee.** Lessee shall have the right, following its exercise of the Option, to terminate this Agreement, at any time, without cause, by providing Lessor with thirty (30) days' prior written notice. Upon such termination, this Agreement shall become null and void and neither party shall have any further rights or duties hereunder, except that any monies owed by either party to the other up to the date of termination shall be paid within thirty (30) days of the termination date.

(B) **By Lessor.** (i) Lessor shall have the right to terminate this Agreement, at any time, without cause, by providing Lessee with thirty (30) days' prior written notice. Notwithstanding the foregoing, termination of this Lease by Lessor pursuant to this provision shall in all manner comply with the provisions of 200 KAR 5:312, including the decision of the Supreme Court of Kentucky in *Ram Engineering and Construction, Inc. v. University of Louisville*, 127 S.W.3d 579 (2004), and its determination that this termination provision is subject to a good faith obligation of Lessor to perform this Lease, a duty of fair dealing and a requirement that there be a substantial change of circumstances prior to Lessor exercising its rights pursuant to this provision. In the event of the termination of this Lease pursuant to Section 12(B) Lessee shall have the right to recover compensation from Lessor in the manner and in the amount provided for in 200 KAR 5:312.

(ii) To the extent that the Lessor is required to expend funds to comply with its obligations under the Lease and funds are not appropriated to the Department of Parks of Lessor or are not otherwise available to the Department of Parks of Lessor for the purpose of making payments, then the Lessor may terminate the Lease without incurring any obligation for payment after the date of termination, regardless of the terms of the Lease. The Lessor shall

month following the month in which the Option was exercised.

9. **Colocation Revenue.** In the event Lessee enters into a sublease, license, right of use or similar agreement with a third party, whereby said third party installs and operates the second communications facility on the Leased Premises ("Qualified Third Party Use Agreement"), Lessee shall pay Lessor an additional per month ("Colocation Rent") for the Qualified Third Party Use Agreement. In the event Lessee enters into a sublease, license, right of use or similar agreement with a third party for anything other than cellular or PCS use ("Noncellular Qualified Third Party Use Agreement"), Lessee shall pay Lessor an additional the Lessee's Rent payable hereunder (the "Noncellular Colocation Rent"). The Colocation Rent and Noncellular Colocation Rent shall be due and payable with the monthly rent payable under the Lease, commencing on the first monthly rent payment under the Lease following Lessee's receipt of the first month's rental under the Qualified Third Party Use Agreement or Noncellular Qualified Third Party Use Agreement. Upon the expiration or earlier termination of the Qualified Third Party Use Agreement or Noncellular Qualified 3rd Party Use Agreement, no Colocation Rent or Noncellular Colocation Rent shall be due.
10. **Leased Premises; Survey.** Following exercise of the Option and completion of construction of the wireless communications facility on the Leased Premises, Lessee shall provide Lessor with a copy of an "as-built" survey, which shall depict and identify the boundaries of the Leased Premises and the Easements, and replace and supersede the sketch attached hereto as Exhibit "B." The "as-built" survey shall be deemed to be incorporated into this Agreement as Exhibit "C" even if not physically affixed hereto. The description of the Leased Premises set forth in Exhibit "C" shall control in the event of discrepancies between Exhibit "B" and Exhibit "C."
11. **Easements.** Conditioned upon and subject to commencement of the Lease Term Lessor grants the following easements and rights-of-way over, under and upon Lessor's Property to Lessee, Lessee's employees, agents, contractors, sublessees, licensees and their employees, agents and contractors: (i) an easement over such portions of Lessor's Property as is reasonably necessary for the construction, repair, maintenance, replacement, demolition and removal of the facility to be located upon Leased Premises; (ii) an easement over such portion of Lessor's Property as is reasonably necessary to obtain or comply with any Approvals; (iii) a thirty foot (30') wide easement in the location shown in Exhibit "B," as may be amended by Exhibit "C," for construction, use, maintenance and repair of an access road for ingress and egress seven (7) days per week, twenty-four (24) hours per day, for pedestrians and all types of motor vehicles, to extend from the nearest public right-of-way to the Leased Premises; (iv) a utility easement (the "Utility Easement")

in the location shown in Exhibit "B," as may be amended by Exhibit "C," for the installation, repair, replacement and maintenance of utility wires, poles, cables, conduits and pipes, provided that in the event that any public utility is unable or unwilling to use the Utility Easement in the location shown in Exhibit "B," as may be amended by Exhibit "C," at the sole option of Lessee Lessor shall grant an alternate easement either to Lessee or directly to the public utility at no cost and in a location acceptable to Lessee and the public utility; and, (v) an easement for a right to install, maintain and replace guy wires, and an easement over Lessor's Property extending from each guy wire anchor point to the guy wire attachment point on the tower], as shown in Exhibit "B," as may be amended by Exhibit "C" (collectively, the "Easements"). TO HAVE AND TO HOLD the Easements for the purposes provided during the Lease Term and thereafter for a reasonable period of time for Lessee to remove its improvements.

12. **Right to Terminate; Effect of Termination.**

(A) **By Lessee.** Lessee shall have the right, following its exercise of the Option, to terminate this Agreement, at any time, without cause, by providing Lessor with thirty (30) days' prior written notice. Upon such termination, this Agreement shall become null and void and neither party shall have any further rights or duties hereunder, except that any monies owed by either party to the other up to the date of termination shall be paid within thirty (30) days of the termination date.

(B) **By Lessor.** (i) Lessor shall have the right to terminate this Agreement, at any time, without cause, by providing Lessee with thirty (30) days' prior written notice. Notwithstanding the foregoing, termination of this Lease by Lessor pursuant to this provision shall in all manner comply with the provisions of 200 KAR 5:312, including the decision of the Supreme Court of Kentucky in *Ram Engineering and Construction, Inc. v. University of Louisville*, 127 S.W.3d 579 (2004), and its determination that this termination provision is subject to a good faith obligation of Lessor to perform this Lease, a duty of fair dealing and a requirement that there be a substantial change of circumstances prior to Lessor exercising its rights pursuant to this provision. In the event of the termination of this Lease pursuant to Section 12(B) Lessee shall have the right to recover compensation from Lessor in the manner and in the amount provided for in 200 KAR 5:312.

(ii) To the extent that the Lessor is required to expend funds to comply with its obligations under the Lease and funds are not appropriated to the Department of Parks of Lessor or are not otherwise available to the Department of Parks of Lessor for the purpose of making payments, then the Lessor may terminate the Lease without incurring any obligation for payment after the date of termination, regardless of the terms of the Lease. The Lessor shall

provide the Lessee thirty (30) calendar days written notice of termination of the Lease.

13. **Use of Property.** The Leased Premises and Easements shall be used for the purpose of constructing, maintaining and operating the Improvements and uses incidental thereto. Lessee may place a security fence, around the perimeter of the Leased Premises. All Improvements shall be constructed at Lessee's sole expense. Lessee will maintain the Leased Premises in a safe condition. It is the intent of the parties that Lessee's wireless communications facility shall not constitute a fixture.
14. **Removal of Obstructions.** Lessee has the right to remove obstructions from Lessor's Property, including but not limited to vegetation, which may encroach upon, interfere with or present a hazard to Lessee's use of the Leased Premises or the Easements. Lessee shall dispose of any materials removed.
15. **Hazardous Substances and Hazardous Wastes.**
 - (A) **Lessee's Obligation and Indemnity.** Lessee shall not (either with or without negligence) cause or permit the escape, disposal or release of any Hazardous Substances or Hazardous Wastes on or from the Leased Premises in any manner prohibited by law. Lessee shall indemnify and hold Lessor harmless from any and all claims, damages, fines, judgments, penalties, costs, liabilities or losses (including, without limitation, any and all sums paid for settlement of claims, attorneys' fees, and consultants' and experts' fees) from the release of any Hazardous Substances or Hazardous Wastes on the Leased Premises if caused by Lessee or persons acting under Lessee.
 - (B) **Lessor's Obligation and Indemnity.** Lessor shall not (either with or without negligence) cause or permit the escape, disposal or release of any Hazardous Substances or Hazardous Wastes on or from Lessor's Property or Leased Premises in any manner prohibited by law.
16. **Real Estate Taxes.** Lessor shall pay all real estate taxes on Lessor's Property. Lessee agrees to reimburse Lessor for any documented increase in real estate taxes levied against Lessor's Property that are directly attributable to the Improvements constructed by Lessee. Lessor agrees to provide Lessee any documentation evidencing the increase and how such increase is attributable to Lessee's use. Lessee reserves the right to challenge any such assessment, and Lessor agrees to cooperate with Lessee in connection with any such challenge.
17. **Insurance.** At all times during the performance of its Due Diligence Investigation and during the Lease Term, Lessee, at its sole expense, shall obtain and keep in force insurance which may be required by any federal, state or local statute or ordinance of any governmental body having jurisdiction in connection with the operation of Lessee's business upon the Leased Premises.

18. **Waiver of Claims and Rights of Subrogation.** The parties hereby waive any and all rights of action for negligence against the other on account of damage to the Improvements, Lessor's Property or to the Leased Premises resulting from any fire or other casualty of the kind covered by property insurance policies with extended coverage, regardless of whether or not, or in what amount, such insurance is carried by the parties. All policies of property insurance carried by either party for the Improvements, Lessor's Property or the Leased Premises shall include a clause or endorsement denying to the insurer rights by way of subrogation against the other party to the extent rights have been waived by the insured before the occurrence of injury or loss.
19. **Eminent Domain.** If Lessor receives notice of a proposed taking by eminent domain of any part of the Leased Premises or the Easements, Lessor will notify Lessee of the proposed taking within five (5) days of receiving said notice and Lessee will have the option to: (i) declare this Agreement null and void and thereafter neither party will have any liability or obligation hereunder; or (ii) remain in possession of that portion of the Leased Premises and Easements that will not be taken, in which event there shall be an equitable adjustment in rent on account of the portion of the Leased Premises and Easements so taken. With either option Lessee shall have the right to contest the taking and directly pursue an award.
20. **Right of First Refusal.** If, during the Option Period or Lease Term, Lessor receives an offer from any entity (along with any of its affiliates) that owns and operates towers or other facilities for wireless telecommunications or any entity that is in the business of acquiring Lessors' interests in ground leases utilized for cellular towers or similar equipment and said entity desires to purchase, make a loan, or give any consideration in exchange for any of the following interests in all or a portion of the Leased Premises: (i) fee title, (ii) a perpetual or other easement, (iii) a lease, (iv) any or all portions of Lessor's interest in this Agreement, including but not limited to the rent or revenue derived herefrom, whether separately or as part of the sale, transfer, grant, assignment, lease or encumbrance of Lessor's Property or other interest in the Agreement, or (v) an option to acquire any of the foregoing, Lessor shall provide written notice to Lessee of said offer ("Lessor's Notice"). Lessor's Notice shall include the prospective buyer's name, the purchase price being offered, the other terms and conditions of the offer, a reasonable due diligence period (as provided below), the proposed closing date and, if a portion of Lessor's Property is to be sold, a description of said portion and if the offer is for an interest other than the purchase of a fee interest, an accurate description of the interest being purchased. Lessee shall have a right of first refusal to purchase, at its election and on the terms and conditions as in Lessor's Notice (i) a fee simple interest in Lessor's Property (or such lesser portion thereof as is described in Lessor's Notice), (ii) a fee simple

- interest in the Leased Premises, (iii) a perpetual easement for the Leased Premises, and (iv) all or any portion of Lessor's interest in the Agreement, all on the same terms and conditions as in said offer by Lessor as modified by this paragraph. If the Lessor's Notice is for more than the Leased Premises and Lessee elects to purchase in fee or acquire a perpetual easement in only the Leased Premises, the terms and condition of said acquisition, including but not limited to the purchase price, shall be the same terms and conditions as in Lessor's Notice but the purchase price shall be pro-rated on an acreage basis. If the Lessor's Notice shall provide for a due diligence period of less than sixty (60) days, then the due diligence period shall be extended to be sixty (60) days from exercise of the right of first refusal and closing shall occur no earlier than fifteen days thereafter. If Lessee does not exercise its right of first refusal by written notice to Lessor given within thirty (30) days after Lessor's Notice, Lessor may sell the property described in the Lessor's Notice to such third person in accordance with the terms and conditions of the offer. If Lessee fails or declines to exercise its right of first refusal, then this Agreement shall continue in full force and effect and Lessee's right of first refusal shall survive any such sale and conveyance and shall remain effective with respect to any subsequent offers to purchase the Leased Premises, Lessor's Property or any portion thereof or any easement therein.
21. **Sale of Property.** If during the Option Period, as same may be extended, or Lease Term, Lessor sells all or part of Lessor's Property, of which the Leased Premises is a part then such sale shall be under and subject to this Agreement.
 22. **Surrender of Property.** Upon expiration or termination of this Agreement, Lessee shall, within a reasonable time, remove all above ground Improvements and restore the Leased Premises as nearly as reasonably possible to its original condition, without, however, being required to replace any trees or other plants removed, or alter the then existing grading.
 23. **Recording.** Lessee shall have the right to record a memorandum of the Option with the appropriate recording office. Upon exercise of the Option, Lessor agrees to execute a Memorandum of Lease, a form of which is attached hereto as **Exhibit "D"**. Lessor shall execute and deliver each such memorandum, for no additional consideration, promptly upon Lessee's request.
 24. **Hold Harmless.** The Lessee shall indemnify and defend the other party against, and hold the Lessor harmless from, any claim of liability or loss from personal injury or property damage arising from the use and occupancy of the Leased Premises by the Lessee, its employees, contractors, servants or agents, except to the extent such claims are caused by the intentional misconduct or negligent acts or omissions of the Lessor, its employees, contractors, servants or agents.
 25. **Lessor's Covenant of Title.** Lessor covenants that Lessor holds good and marketable fee simple title to Lessor's Property and the Leased Premises and has full authority to enter into and execute this Agreement. Lessor further covenants that there are no encumbrances or other impediments of title that might interfere with or be adverse to Lessee.
 26. **Interference with Lessee's Business.** Lessee shall have the exclusive right to construct, install and operate wireless communications facilities that emit radio frequencies on Lessor's Property. Lessor agrees that it will not permit the construction, installation or operation on Lessor's Property of (i) any additional wireless communications facilities or (ii) any equipment or device that interferes with Lessee's use of the Leased Property for a wireless communications facility. Each of the covenants made by Lessor in this Section is a covenant running with the land for the benefit of the Leased Premises.
 27. **Quiet Enjoyment.** Lessor covenants that Lessee, on paying Rent and performing the covenants of this Agreement, shall peaceably and quietly have, hold and enjoy the Leased Premises and Easements.
 28. **Mortgages.** This Agreement, Lessee's leasehold interest and the Easements shall be subordinate to any mortgage given by Lessor which currently encumbers the Leased Premises, provided that any mortgagee shall recognize the validity of this Agreement in the event of foreclosure. In the event that the Leased Premises is or shall be encumbered by such a mortgage, Lessor shall obtain and furnish to Lessee a non-disturbance agreement for each such mortgage, in recordable form. If Lessor fails to provide any non-disturbance agreement Lessee, may withhold and accrue, without interest, the Rent until such time as Lessee receives all such documentation.
 29. **Title Insurance.** Lessee, at Lessee's option, may obtain title insurance on the Leased Premises and Easement. Lessor shall cooperate with Lessee's efforts to obtain title insurance by executing documents or obtaining requested documentation as required by the title insurance company. If Lessor fails to provide the requested documentation within thirty (30) days of Lessee's request, or fails to provide any non-disturbance agreement required in the preceding Section of the Agreement, Lessee, at Lessee's option, may withhold and accrue, without interest, the Rent until such time as Lessee receives all such documentation.
 30. **Access to Records; Confidentiality of Records.** The Lessee agrees that the Lessor shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this Lease for the purpose of financial audit. Any books, documents, papers, records, or other evidence provided by Lessee to the Lessor which are directly pertinent to this Lease shall be subject to public disclosure except for the following which the Lessor and

Lessee agree are generally recognized as confidential or proprietary, which if openly disclosed would permit an unfair commercial advantage to competitors of the Lessee: (i) the amount of any Option Extension Fee; (ii) the amount of any Option Fee; (iii) the amount of the Rent; (iv) the amount of any Colocation Rent; (v) the amount of any Noncellular Colocation Rent; (vi) any Qualified Third Party Use Agreements; (vii) any Noncellular Qualified Third Party Use Agreements; (viii) financial reports, records, and other accounting or business information revealing the business terms of (vi) or (vii) above; (ix) any master license agreements, any master lease agreements or any similar pricing agreements with any customer utilizing the Improvements; (x) the identity of any equipment located on the Leased Premises; (xi) Lessee' internal financial records relating to maintenance, insurance or operational costs for the Improvements during the Term; and (xii) any information about the business or financial operations of any customer utilizing the Improvements sought to be kept confidential in a Qualified Third Party Use Agreement or a Noncellular Qualified Third Party Use Agreement.

31. **Utilities.** Lessee shall have separate electric meters installed for the Leased Premises, and shall be responsible for paying all costs and usage charges for any utilities provided to the Leased Premises.

32. **Default.**

(A) **Notice of Default: Cure Period.** In the event that there is a default by Lessor or Lessee (the "Defaulting Party") with respect to any of the provisions of this Agreement or Lessor's or Lessee's obligations under this Agreement, the other party (the "Non-Defaulting Party") shall give the Defaulting Party written notice of such default. After receipt of such written notice, the Defaulting Party shall have fifteen (15) days in which to cure any monetary default and thirty (30) days in which to cure any non-monetary default. The Defaulting Party shall have such extended periods as may be required beyond the thirty (30) day cure period to cure any non-monetary default if the nature of the cure is such that it reasonably requires more than thirty (30) days to cure, and Defaulting Party commences the cure within the thirty (30) day period and thereafter continuously and diligently pursues the cure to completion. The Non-Defaulting Party may not maintain any action or effect any remedies for default against the Defaulting Party unless and until the Defaulting Party has failed to cure the same within the time periods provided in this Section.

(B) **Grounds for Lessee's Default.** A default in performance by Lessee for which this Lease may be terminated shall include, but shall not necessarily be limited to:

(a) Failure to perform the Lease according to its terms, conditions and specifications;

(b) The filing of a bankruptcy petition by or against the Lessee; or

(f) Actions that endanger the health, safety or welfare of the Lessor or its citizens.

(C) **Consequences of Lessee's Default.** Lessor acknowledges that under the terms of this Agreement, Lessee has the right to terminate this Agreement at any time upon thirty (30) days notice. Accordingly, in the event that Lessor maintains any action or effects any remedies for default against Lessee, resulting in Lessee's dispossession or removal, (i) the Rent shall be paid up to the date of such dispossession or removal and (ii) Lessor shall be entitled to recover from Lessee, in lieu of any other damages, as liquidated, final damages, a sum equal to thirty (30) days Rent. In no event shall Lessee be liable to Lessor for consequential, indirect, speculative or punitive damages in connection with or arising out of any default.

(D) **Consequences of Lessor's Default.** In the event that Lessor is in default beyond the applicable periods set forth above, Lessee may, at its option, upon written notice: (i) terminate the Lease, vacate the Leased Premises and be relieved from all further obligations under this Agreement; (ii) perform the obligation(s) of Lessor specified in such notice, or (iii) recover from Lessor, in lieu of any other damages, as liquidated, final damages, a sum equal to thirty (30) days Rent. In no event shall Lessor be liable to Lessee for consequential, indirect, speculative or punitive damages in connection with or arising out of any default.

33. **Lessor's Waiver.** Lessor hereby waives and releases any and all liens, whether statutory or under common law, with respect to any of Lessee's Property now or hereafter located on the Leased Premises.

34. **Applicable Law.** This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the Commonwealth of Kentucky. The parties agree that the venue for any litigation regarding this Agreement shall be Franklin County, Kentucky.

35. **Assignment, Sublease, Licensing and Encumbrance.** Lessee has the right, with the prior written approval of the Lessor, said approval not to be unreasonably withheld to assign its interest in this Agreement and to sublease or license use of the Leased Premises, Easements and Improvements. Assignment of this Agreement by Lessee shall be effective upon receipt of the prior written approval of the Lessor, said approval not to be unreasonably withheld and shall relieve Lessee from any further liability or obligation. Lessee has the further right to pledge or encumber its interest in this Agreement, with the prior written approval of the Lessor, said approval not to be unreasonably withheld. Upon request to Lessor from any leasehold mortgagee, Lessor agrees to give the holder of such leasehold mortgage written notice of any default by

Lessee and an opportunity to cure any such default within fifteen (15) days after such notice with respect to monetary defaults and within a commercially reasonable period of time after such notice with respect to any non-monetary default. Notwithstanding the foregoing, Lessee shall not be required to obtain Lessor's written consent for (1) transfers, assignments or subleases to Lessee's affiliates or subsidiaries, or (2) any co-location arrangement as contemplated in Section 9 hereof.

36. **Successors and Assigns.** Except as otherwise provided herein, this Agreement shall extend to and bind the heirs, personal representatives, successors and assigns of the parties hereto.
37. **Entire Agreement.** Lessor and Lessee agree that this Agreement contains all of the agreements, promises and understandings between Lessor and Lessee. No oral agreements, promises or understandings shall be binding upon either Lessor or Lessee in any dispute, controversy or proceeding at law. Any addition, variation or modification to this Agreement shall be void and ineffective unless made in writing and signed by the parties hereto.
38. **Captions.** The captions preceding the Sections of this Agreement are intended only for convenience of reference and in no way define, limit or describe the scope of this Agreement or the intent of any provision hereof.
39. **Construction of Document.** Lessor and Lessee acknowledge that this document shall not be construed in favor of or against the drafter by virtue of said party being the drafter and that this Agreement shall not be construed as a binding offer until signed by Lessee.
40. **Notices.** All notices hereunder shall be in writing and shall be given by (i) established national courier service which maintains delivery records, (ii) hand delivery, or (iii) certified or registered mail, postage prepaid, return receipt requested. Notices are effective upon receipt, or upon attempted delivery if delivery is refused or if delivery is impossible because of failure to provide reasonable means for accomplishing delivery. The notices shall be sent to Lessor at Lessor's Notice Address and to Lessee at Lessee's Notice Address.
41. **Partial Invalidity.** If any term of this Agreement is found to be void or invalid, then such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.
42. **Counterparts.** This Lease may be executed in multiple counterparts, each of which shall constitute an original and all of which, when taken together, shall constitute one and the same agreement.

[Signatures on Following Pages]

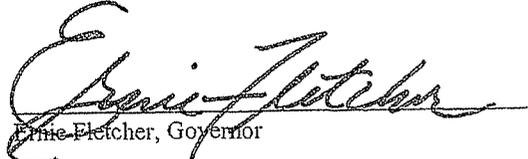
IN WITNESS WHEREOF, Lessor and Lessee having read the foregoing and intending to be legally bound hereby, have executed this Agreement as of the day and year first written above.

LESSOR:

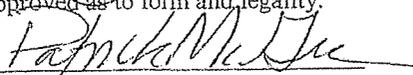
Commonwealth of Kentucky

Recommended:

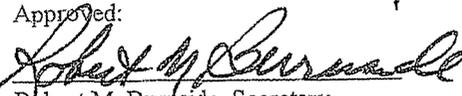

Department of Parks


Eric Fletcher, Governor

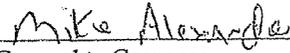
Approved as to form and legality:


Patrick W. McGee, Attorney
Finance and Administration Cabinet

Approved:


Robert M. Burnside, Secretary
Finance and Administration Cabinet

Examined:


Mike Alexander
Counsel to Governor

LESSEE:

Crown Communication Inc., a Delaware corporation

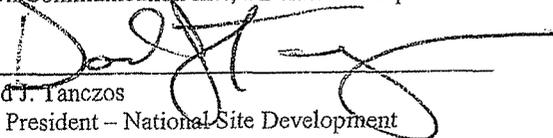
By: 
David J. Tanczos
Vice President -- National Site Development

EXHIBIT "A"

Copy of Lessor's Deed

COMMISSIONER'S DEED

WHEREAS, in the action in the Cumberland Circuit Court, styled Commonwealth of Kentucky, Department of ~~Highways~~^{Finance}, Plaintiff, vs. Hall Guthrie and Judith A. Guthrie, wife, Bow, Kentucky

Defendants, a judgment was entered on the 10 day of April 19 72, and recorded in Order Book A-5, page 344 in the Cumberland Circuit Court Clerk's Office, ordering the payment of \$ 18,500.00 to the Defendants for the land taken, as described in the petition, and for all other damages, both present and prospective, which payment was authorized to be paid to the defendants ~~Clerk~~ and

WHEREAS, in said judgment J. E. Smith was appointed as ~~Special~~^{Master} Commissioner of the Cumberland Circuit Court to execute a deed of conveyance to the Commonwealth of Kentucky, Department of ~~Highways~~^{Finance}, ~~xxxx~~ for the use and benefit of the Department of Parks

WHEREAS, the aforesaid consideration has been paid;

NOW, THEREFORE, THIS DEED, made and entered into this 10 day of May 19 72, by and between J. E. Smith, ~~SPECIAL~~^{MASTER} COMMISSIONER OF THE CUMBERLAND CIRCUIT COURT, for and on behalf of the above named Defendants, party of the first part, and the COMMONWEALTH OF KENTUCKY, ~~Department of Highways~~^{Department of Finance}, acting in its official capacity, party of the second part.

WITNESSETH:

That for and in consideration of the premises, party of the first part has bargained and sold, and does hereby grant and convey, unto the party of the second part, its successors and assigns, forever, the real property and real property rights as hereinafter more fully set forth in connection with the ~~Highway~~^{Dale Hollow} Project, Cumberland County

PARCEL 21

Beginning at a tree in the west right-of-way line of Chestnut Grove Road, said tree corner to E. Guthrie and said road; thence with Guthrie's line S 3° 55' E, 524.1 ft. to a point in G. Edwards' line, said point corner to E. Guthrie and G. Edwards; thence with G. Edwards' line the following calls: S 49° 21' W, 128.6 ft. to a set stone witnessed by a 6 inch oak; N 79° 26' W, 210.9 ft. to a 6 inch twin poplar; N 20° 56' W, 344.7 ft. to a corner witnessed by two 12 inch white oaks; S 66° 42' W, 415.4 ft. to a cross on rock in falls; thence with the branch and Edwards' line S 4° 32' E, 577.2 ft. to a painted cross on rock in centerline of the branch; said rock corner to Edwards and U.S. Government; thence with the government line the following calls: S 43° 00' W, 290.0 ft.; S 11° 58' E, 336.7 ft. to two corner trees; S 84° 00' W, 920.0 ft.; N 13° 30' W, 1,141.2 ft. to cross on rock in centerline of branch; N 53° 53' W, 711.3 ft. to cross on rock in centerline of branch; said rock corner to E. Guthrie and U.S. Government; thence with E. Guthrie's line the following calls: N 41° 22' E, 983.2 ft. to a 30 inch white oak; N 22° 27' W, 401.3 ft.; N 51° 19' E, 785.7 ft.; S 38° 35' E, 313.8 ft. to a point in the west right-of-way line of Chestnut Grove Road, said point corner to E. Guthrie and said road; thence with said right-of-way line the following calls: S 34° 55' E, 453.1 ft.; S 27° 00' E, 466.4 ft.; S 63° 48' E, 654.7 ft.; S 53° 23' E, 309.3 ft. to the beginning, containing 93 acres, more or less.

Being all of the same property conveyed by deed from O. F. Guthrie, et ux to Hall Guthrie dated December 12, 1967 and recorded in Deed Book 71, page 67 in the Cumberland County Court Clerk's Office.

PARCEL 210

Beginning at a point in the east right-of-way line of Chestnut Grove Road, said point corner with H. Collins and said road; thence with Collins' line the following calls: S 45° 34' E, 780.5 ft.; S 17° 02' E, 28.3 ft. to a corner with Collins in the east right-of-way line of Chestnut Grove Road; thence with said right-of-way line the following calls: N 64° 06' W, 253.2 ft.; N 62° 39' W, 154.1 ft.; N 34° 52' W, 193.9 ft.; N 21° 08' W, 249.9 ft. to the beginning, containing 1.5 acres, more or less.

Being all of the same property conveyed by deed from O. T. Guthrie et ux to Hall Guthrie dated December 12, 1967 and recorded in Deed Book 71, page 67 in the Cumberland County Court Clerk's Office.

Sheet No. _____ of Commissioner's Deed

TO HAVE AND TO HOLD said property unto the party of the second part, its successors and assigns, with all the rights and privileges thereunto belonging, ~~for the purpose of constructing and maintaining a highway across said property according to the plans of the Department of Highways of the State of Kentucky~~ ~~and~~ ~~for the purpose of~~ ~~development of the Dale Hollow Reservoir State Park~~ ~~all of which is for the public purpose of development of the Dale Hollow Reservoir State Park~~

Said conveyance is made by the Special Commissioner only in his official capacity and does not imply any personal liability therefor. The parties to said action, whose title is passed by this conveyance, are the Defendants in the above described action.

IN TESTIMONY WHEREOF, the party of the first part has hereunto set his hand this the day and year first above written.

J. F. Smith
 Master
 Special Commissioner

 Cumberland Circuit Court

Examined and approved in open Court this 10 day of May, 1972.

W. B. Gaither
 Judge, _____
 Cumberland Circuit Court

10 May, 1972

STATE OF KENTUCKY

 CUMBERLAND CIRCUIT COURT

Master
 The ~~Special~~ Commissioner of the _____ Cumberland Circuit Court,
 produced the foregoing deed of conveyance to the Commonwealth of Kentucky, Department of Finance for the use and benefit of the Department of ~~Highways~~ Parks, which was examined and approved by the Court, and the said Commissioner acknowledged same to be his true act and deed; wherefore, the same was ordered to be and is hereby certified to the proper office for record.

This Instrument Prepared By:
David G. Carroll
 DAVID G. CARROLL
 ATTORNEY AT LAW
 SOMERSET KENTUCKY

Multon Starnes
 Clerk, _____
 Cumberland Circuit Court

EXHIBIT "B"

Description of Leased Premises

DETAILED SITE SKETCH – (Not to Scale)

CHECKLIST

✓	Public Right-of-Way shown
none	Setbacks shown
none	Fall zone shown
✓	Landscaping requirements
unknown	Parent tract dimensions
✓	Access easements
✓	Utility easements
N/A	Adjacent zoning
N/A	Adjacent land uses
none	Surrounding structures
none	Streams/water locations
✓	Overhead utility lines
✓	Trees to be removed.
in lease area	Shelter location

Dale Hollow Lake
 Candidate D – Dale Hollow Lake State Park
 Proposed site – N 36,647736 (N36° 38' 51.8")
 W 85,292495 (W 85° 17' 32.9")
 Elevation – 1,043' AMSL

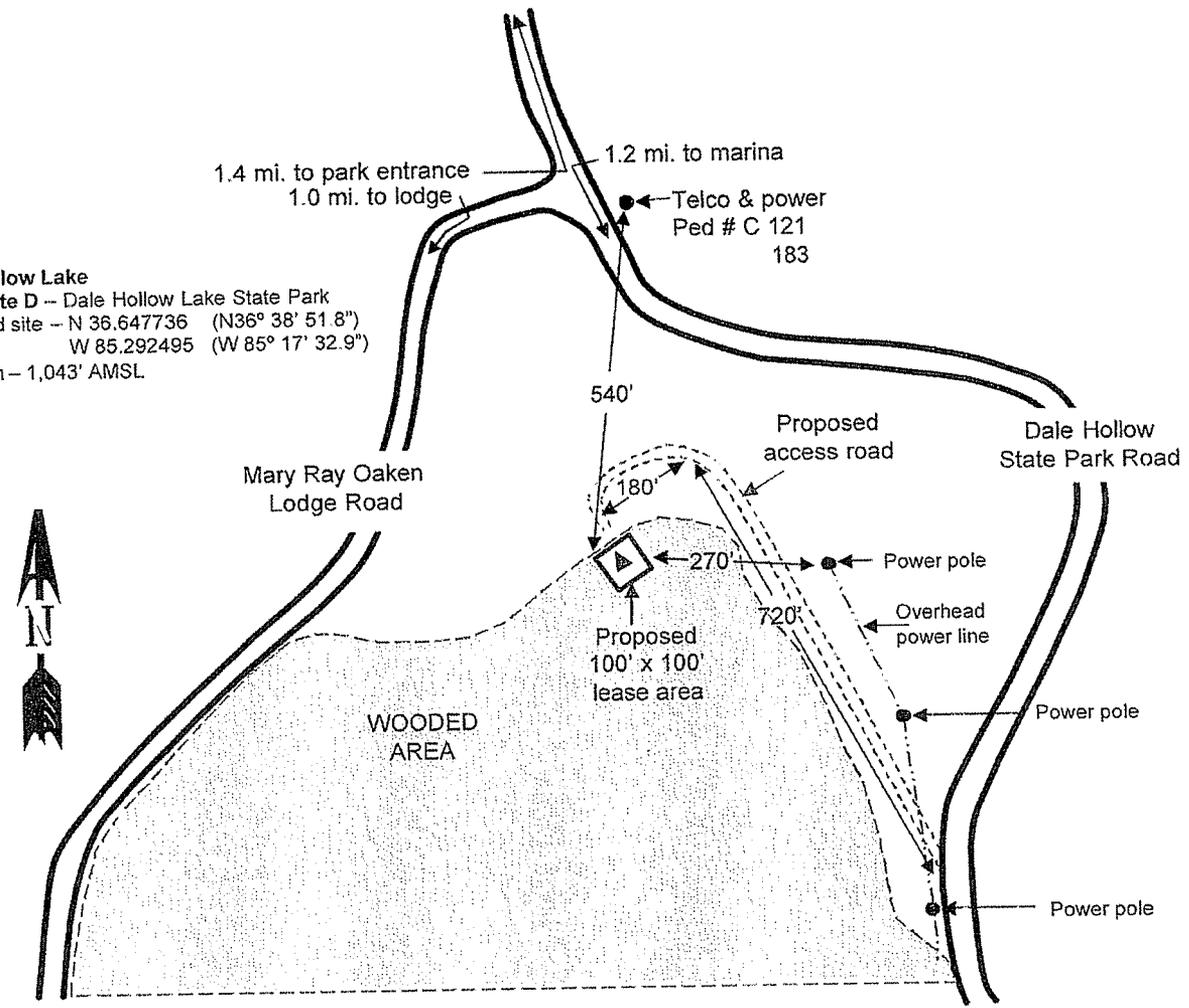


EXHIBIT "C"

Copy of Survey



2000 CORPORATE BLVD.
CUMBERLAND, PA 15317



14575 CANTON SQUARE
CUMBERLAND, PA 15317
317-299-3399 • Fax: 317-299-3398

BENCHMARK SERVICES, INC.
Consulting Engineers
318 Iron Works Street
P.O. Box 5 47512
Pineville, PA 15286
Phone: (812) 883-3019
Fax: (812) 883-3019
e-mail: benchmark@bshq.com

SITZ NUMBER: 8531_3666

SITZ NAME: DALE HOLLOW.

SITZ ADDRESS: STATE PARK ROAD BUKERSVILLE, KY 42217

LEASE AREA: 10000 SQ. FT.

PROPERTY OWNER: DALE HOLLOW LAKE STATE RESORT PARK FRANKFORD, KY 40501

CONTRACT: ROB E. MINERICH

COUNTY: CUMBERLAND COUNTY

SOURCE OF TITLE:

LA/TWP/SE: 36°38'51.60972" N 10W/TWP: 85°17'33.07531" W

APP. BY: GVVW DATE: 9.21.07

REV.: REVISION/ISSUE DATE:

TITLE:

SURVEY PLAN

SHEET: C-2a

DESCRIPTION OF LEASE AREA

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 03 DEGREES 27 MINUTES 27 SECONDS EAST 528.41 FEET TO THE NORTHERNMOST CORNER OF THE LEASE AREA DESCRIPTION AND TRUE PLACE OF BEGINNING; THENCE SOUTH 37 DEGREES 03 MINUTES 07 SECONDS EAST 100.00 FEET; THENCE SOUTH 52 DEGREES 56 MINUTES 53 SECONDS WEST 100.00 FEET; THENCE NORTH 37 DEGREES 03 MINUTES 37 SECONDS WEST 100.00 FEET; THENCE NORTH 52 DEGREES 53 MINUTES 53 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, MORE OR LESS.

DESCRIPTION OF 20' UTILITY EASEMENT

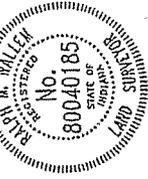
A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 05 DEGREES 05 MINUTES 07 SECONDS EAST 56.44 FEET; THENCE ON AND ALONG A LINE 10 FEET ON EITHER SIDE OF THE FOLLOWING; SOUTH 20 DEGREES 59 MINUTES 58 SECONDS EAST 131.11 FEET; THENCE SOUTH 47 DEGREES 56 MINUTES 52 SECONDS WEST 62.28 FEET; THENCE SOUTH 12 DEGREES 40 MINUTES 52 SECONDS EAST 297.60 FEET; THENCE SOUTH 52 DEGREES 56 MINUTES 53 SECONDS WEST 100.00 FEET TO A POINT ON THE LEASE LINE AND TERMINUS OF THIS UTILITY EASEMENT DESCRIPTION.

DESCRIPTION OF 90' ACCESS EASEMENT

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE NORTH 08 DEGREES 19 MINUTES 50 SECONDS WEST 15.21 FEET TO THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 15 FEET ON EITHER SIDE OF THE FOLLOWING ON A CURVE TO THE LEFT SOUTH 47 DEGREES 03 MINUTES 07 SECONDS WEST A CHORD DISTANCE OF 283.99 FEET AND HAVING A RADIUS OF 282.70 A DISTANCE ALONG THE ARC OF 277.77 FEET; THENCE SOUTH 10 DEGREES 27 MINUTES 39 SECONDS WEST 100.37 FEET; THENCE SOUTH 02 DEGREES 34 MINUTES 44 SECONDS WEST 51.16 FEET; THENCE SOUTH ON AND ALONG A CURVE TO THE RIGHT AND HAVING A CHORD OF SOUTH 26 DEGREES 53 MINUTES 40 SECONDS WEST 247.24 FEET WITH A RADIUS OF 319.52 FEET A DISTANCE ALONG THE ARC OF 235.86 FEET; THENCE SOUTH 50 DEGREES 10 MINUTES 20 SECONDS WEST 277.42 FEET; THENCE SOUTH 33 DEGREES 08 MINUTES 46 SECONDS WEST 147.39 FEET; THENCE ON AND ALONG A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 46 DEGREES 31 MINUTES 36 SECONDS EAST 60.10 FEET AND HAVING A RADIUS OF 30.90 FEET A DISTANCE ALONG THE ARC OF 82.57 FEET; THENCE NORTH 43 DEGREES 36 MINUTES 15 SECONDS EAST 195.08 FEET; THENCE NORTH 59 DEGREES 02 MINUTES 19 SECONDS EAST 414.71 FEET; THENCE SOUTH 37 DEGREES 03 MINUTES 07 SECONDS EAST 36.22 FEET TO THE TERMINUS OF THIS ACCESS EASEMENT DESCRIPTION.

ALSO; FOR THE PURPOSE OF EGRESS AT THE ISLAND ROADWAY NEAR THE INTERSECTION OF SAID MARY RAY OAKEN LODGE ROAD AND DALE HOLLOW STATE PARK ROAD AND BEING A ONE WAY AND DESCRIBED AS FOLLOWS:
COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 16 DEGREES 19 MINUTES 19 SECONDS EAST 17.50 FEET TO THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 15 FEET ON EITHER SIDE OF THE FOLLOWING ON A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 53 DEGREES 44 MINUTES 33 SECONDS WEST 251.05 FEET WITH A RADIUS OF 285.99 FEET A DISTANCE ALONG THE ARC OF 259.90 FEET TO THE CENTERLINE OF THE ABOVE DESCRIBED 30' ACCESS EASEMENT

LAND SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN AND SURVEY WERE MADE UNDER MY PERSONAL SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Ralph E. Waller
RALPH E. WALLER

PLS. NO. 80040185

DATE

DATE

NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

EXHIBIT "D"

Form of Memorandum of Option and Ground Lease Agreement

Site Name: Dale Hollow, Burkesville
Site Number: 8531-3666

MEMORANDUM OF OPTION AND GROUND LEASE AGREEMENT

THIS MEMORANDUM OF OPTION AND GROUND LEASE AGREEMENT (this "Memorandum") is made this ____ day of _____, 2007, by and between Commonwealth of Kentucky, Department of Parks, having a mailing address of Division of Real Properties, Bush Building, Third Floor, 403 Wapping Street, Frankfort, Kentucky 40601 ("Lessor") and Crown Communication Inc., a Delaware corporation, with its principal place of business located at 2000 Corporate Drive, Canonsburg, Pennsylvania 15317-8564 ("Lessee").

1. Lessor owns a tract of land described in Deed Book 74, page 167, Cumberland County, Kentucky Clerk's Office ("Lessor's Property").
2. Lessor granted Lessee an option to lease a portion of Lessor's Property pursuant to an Option and Ground Lease Agreement by and between Lessor and Lessee dated _____ 2007 (the "Agreement"), as evidenced by a Short Form Option Agreement of record in Book _____, page _____ Cumberland County, Kentucky Clerk's Office.
3. Pursuant to the terms and conditions set forth in the Agreement, on _____ Lessee exercised its option to lease a portion of Lessor's Property.
4. The Agreement provides for an Initial Term of fifteen (15) years with an option for one (1) fifteen (15) year Renewal Term unless terminated in accordance with the provisions of the Agreement.
5. In consideration of the Rent and other consideration as set forth in the Agreement, Lessor leases to Lessee a parcel of land more particularly described on Exhibit "A", attached hereto and incorporated herein by reference (the "Leased Premises").
6. Pursuant to the terms, conditions and special exceptions set forth in the Agreement, if Lessor receives an offer to purchase any of the following interests in all or a portion of the Leased Premises: (i) fee title, (ii) a perpetual easement, (iii) a lease, (iv) any or all portions of Lessor's interest in the Agreement, or (v) an option to acquire any of the foregoing, Lessor grants Lessee a right of first refusal to meet such offers.
7. Lessor shall have the exclusive right to construct, install and operate wireless communications facilities that emit radio frequencies on Lessor's Property.
8. The terms, covenants and provisions of the Agreement, of which this is a Memorandum, shall extend to and be binding upon the respective executors, administrators, heirs, successors and assigns of Lessor and Lessee.
9. This Memorandum may be executed in multiple counterparts, each of which shall constitute an original and all of which, when taken together, shall constitute one and the same agreement.

IN WITNESS WHEREOF, hereunto and to duplicates hereof, Lessor and Lessee have caused this Memorandum to be duly executed on the day and year first written above.

LESSOR:
Commonwealth of Kentucky

Recommended:

Department of Parks

Ernie Fletcher, Governor

Approved as to form and legality:

Patrick W. McGee, Attorney
Finance and Administration Cabinet

Approved:

Robert M. Burnside, Secretary
Finance and Administration Cabinet

Examined:

Counsel to Governor

COMMONWEALTH OF KENTUCKY)
COUNTY OF _____)

Before me, _____ the undersigned, a Notary Public in and for the County and State aforesaid, personally appeared Ernie Fletcher, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who upon oath acknowledged himself to be the Governor of the Commonwealth of Kentucky, the within named bargainor, and that he as such Governor, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the Commonwealth by himself as Governor.

Witness my hand and seal, at office in _____, Kentucky, this the ____ day of _____, 20__.

NOTARY PUBLIC

My Commission Expires: _____

LESSEE:

Crown Communication Inc., a Delaware corporation

By: _____
David J. Tanczos, Vice President – National Site
Development

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF WASHINGTON)

Before me, _____ the undersigned, a Notary Public in and for the County and State aforesaid, personally appeared David J. Tanczos, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who upon oath acknowledged himself to be Vice President – National Site Development, of Crown Communication Inc., the within named bargainor, a Delaware corporation, and that he as such Vice President – National Site Development, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the company by himself as Vice President – National Site Development.

Witness my hand and seal, at office in Canonsburg, Pennsylvania this the ____ day of _____, 20____.

NOTARY PUBLIC

My Commission Expires: _____

Prepared by:

James L. Murphy III
Boulton Cummings Conners Berry, PLC
1600 Division Street, Suite 700
Nashville, TN 37203
615-252-2303

James L. Murphy III

Exhibit M

Aerial Photograph of 500-Foot Radius

Exhibit N

List of Owners of Property Adjoining Dale Hollow State Park

Title	First Name	Last Name	Company Name	Address Line 1	Address	City	State	ZIP Code
	Dale	Scott		302 Hillside Circle		Cadiz	KY	42211
	David	Sergent		250 Levi Lane		Burkesville	KY	42717
	Margaret	Tedrowe		355 East Ohio Street	#20	Indianapolis	IN	46204
	Sam	Tedrowe, Jr.		355 East Ohio Street	#20	Indianapolis	IN	46204
	Kathryn	Tuggle		109 Aberdeen Drvie		Danville	KY	40422
	Shirley Elaine	Ueber		13839 Willow Court		Sterling Heights	MI	48313
	Gregory	Ueber		13839 Willow Court		Sterling Heights	MI	48313



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Lester Allison, Jr.
2231 Town Creek Rd.
Cleveland, GA 30528

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to **Case No.2007-00505** in your correspondence. If I can be of assistance to you, please do not hesitate to contact me.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

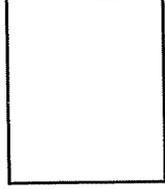
By:

James L. Murphy, III

JLM/cw
Enclosure

GPD ASSOCIATES
 5100 N. 250th Ave. Suite 200
 Indianapolis, Indiana 46220
 317-595-2596, Fax 317-595-1531

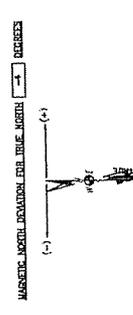
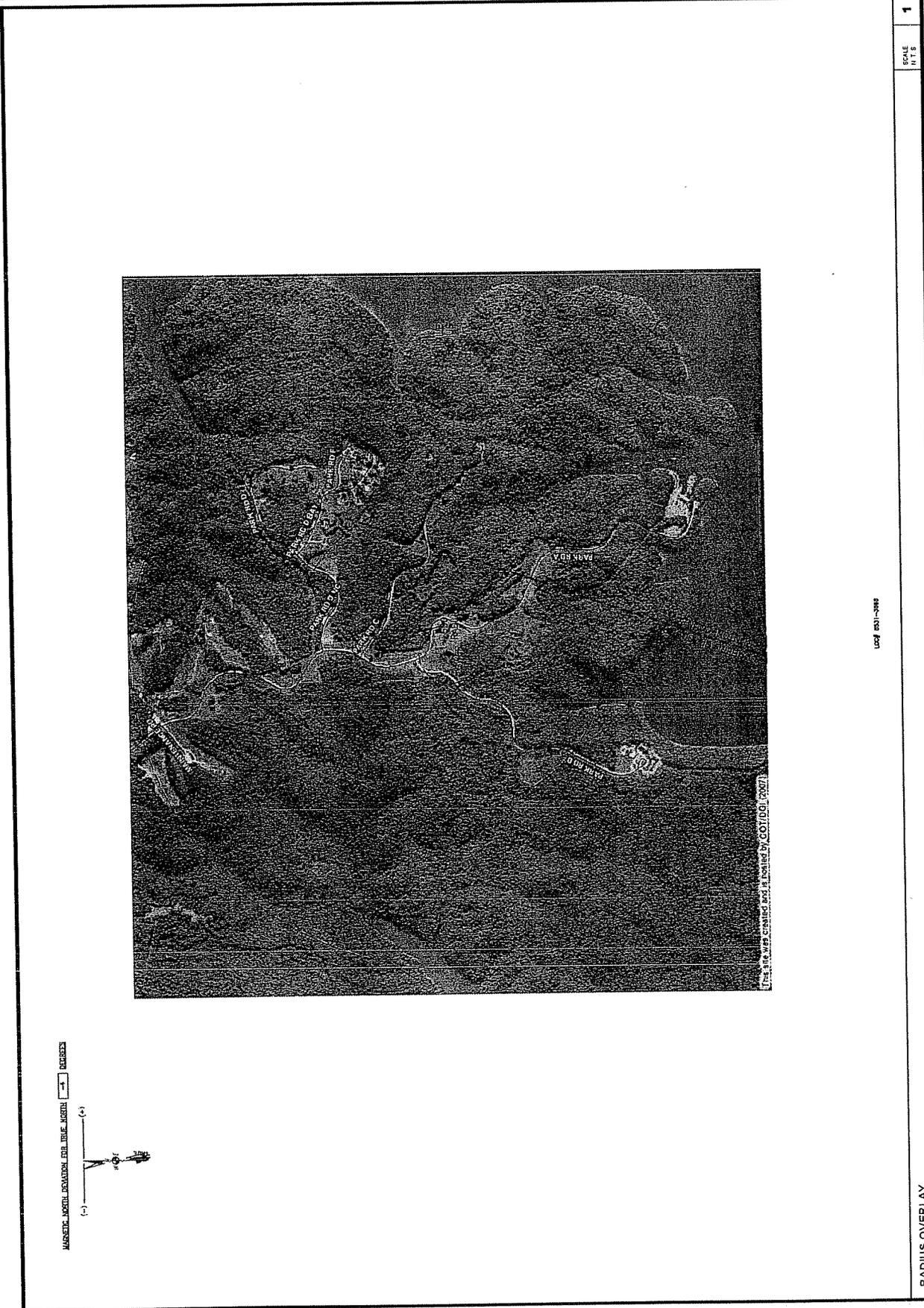
CROWN CASTLE
 INTERNATIONAL, INC.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 USA



NO.	DATE	DESCRIPTION	BY
1	11/14/07	REVISIONS	
2	12/18/07	PAUL COOPERATION DRAWING	
3		REVISIONS	
4		REVISIONS	
5		REVISIONS	
6		REVISIONS	
7		REVISIONS	
8		REVISIONS	
9		REVISIONS	
10		REVISIONS	

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8531-3656
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8531-3656
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURNSVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

SCALE
 N T S
1
C-3



This site was obtained and is located by CO/100/2007

LOC# 8531-3656

RADIUS OVERLAY



BOULT • CUMMINGS®
CONNERS • BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Sandra England
670 Spears Road
Scottsville, KY 42164

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to **Case No.2007-00505** in your correspondence. If I can be of assistance to you, please do not hesitate to contact me.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET • SUITE 700 • P.O. BOX 340025 • NASHVILLE • TN • 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

James L. Murphy, III



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Gene England
670 Spears Road
Scottsville, KY 42164

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure



BOULT CUMMINGS®
CONNERS BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Shirley Elaine Ueber
13839 Willow Court
Sterling Heights, MI 48313

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET - SUITE 700 - P.O. BOX 340025 - NASHVILLE - TN - 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

GPD ASSOCIATES
 8275 Allison Trail
 Indianapolis, Indiana 46230
 317-592-9256, fax 317-592-1831

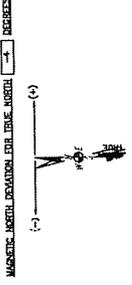
CROWN CASTLE
 INTERNATIONAL, INC.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 USA



NO.	DATE	DESCRIPTION
BY		
DR		
CH		
REVISIONS		

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8531-3865
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8531-3866
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURGESSVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

SCALE
 N.T.S.
1



RADIUS OVERLAY

LOC 8531-3866

THIS AIR IMAGE CREATED BY GCS (DOI, 2007)



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Kathryn Tuggle
109 Aberdeen Drive
Danville, KY 40422

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

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BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Brance Capps
330 Frogue Road
Bow, KY 42717

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

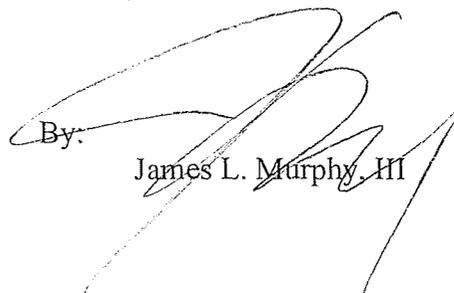
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Rose Tuggle Cloud
109 Aberdeen Drive
Danville, KY 40422

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

CHARLES SCHWABER & ASSOCIATES, INC.
GPD ASSOCIATES
 4325 Allen Road, Fall
 Indianapolis, Indiana 46230
 317-499-2750, fax 317-499-1881

CROWN CASTLE
 INTERNATIONAL, INC.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION

REVISIONS
 DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07

GPD GROUP
 SITE NUMBER: 8631-3666
 SITE NAME: DALE HOLLOW

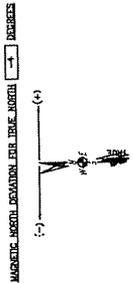
SITE NAME
 DALE HOLLOW

LOC ID#
 8631-3666

SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURNSVILLE, KY 42717
 CUMBERLAND COUNTY

SHEET TITLE
RADIUS OVERLAY

SHEET NUMBER



THIS AERIAL PHOTOGRAPH WAS OBTAINED BY CO (DOI) 2071

LOC# 8631-3666



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11 2007

Via Certified Mail, Return Receipt Requested

Candace Grider
3012 Crocus Creek Road
Burkesville, KY 42717

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

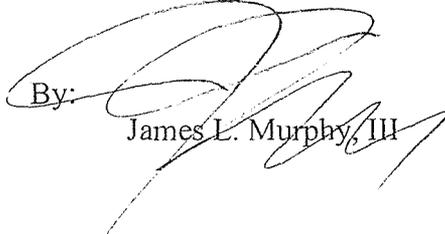
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure



BOULT CUMMINGS®
CONNERS BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphyv@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Jessie Grider, Jr.
3012 Crocus Creek Road
Burkesville, KY 42717

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

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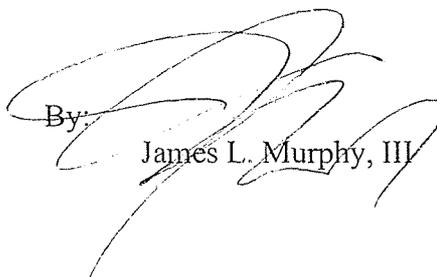
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BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:


James L. Murphy, III

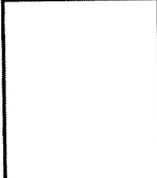
JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET - SUITE 700 - P.O. BOX 340025 - NASHVILLE - TN - 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

CLARK FULFORD BURKE & LEWIS P.C.
GPD ASSOCIATES
 8275 Allison Parkway Trail
 11025 Oldville, Pennsylvania 17052
 717-299-5500, Fax: 717-299-5333

CROWN CASTLE
 INTERNATIONAL, INC.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 USA



NO.	DATE	DESCRIPTION
1	11/14/07	FINAL CONSTRUCTION CHANGES
2	11/14/07	BALANCE SHEET & NO. CHANGES
3		
4		
5		
6		
7		
8		
9		
10		

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07

GPD GROUP
 SITE NUMBER: 6631-3666
 SITE NAME: DALE HOLLOW

SITE NAME
 DALE HOLLOW

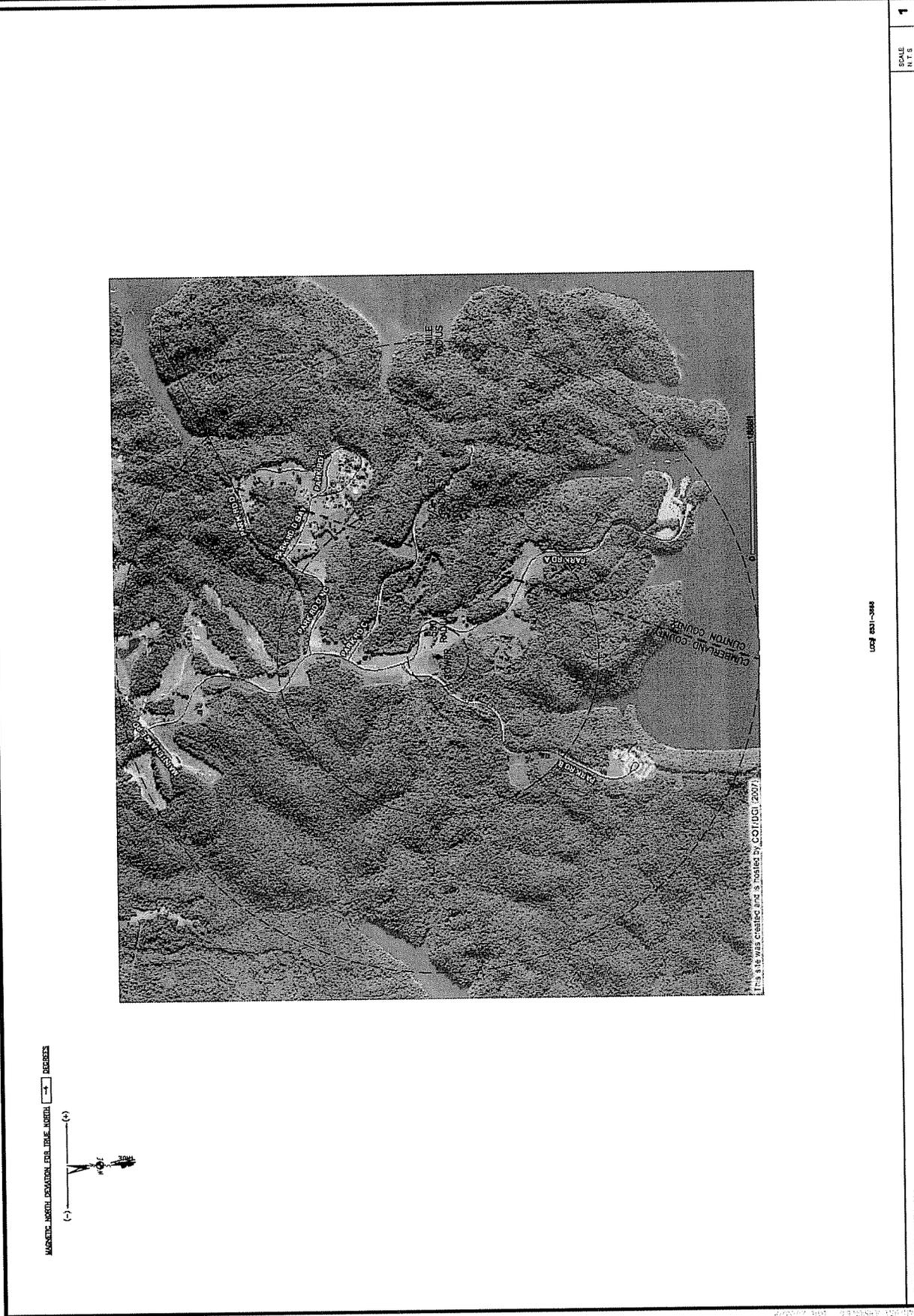
LOC ID#
 6631-3666

SITE ADDRESS
 MARY RAY DAKEN LOISE ROAD
 BURGESSVILLE, KY 42717
 CUMBERLAND COUNTY

SHEET TITLE
RADIUS OVERLAY

SHEET NUMBER

C-3





BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Dale Scott
302 Hillside Circle
Cadiz, KY 42211

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

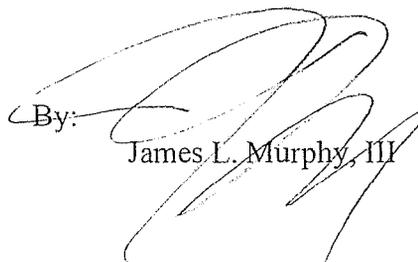
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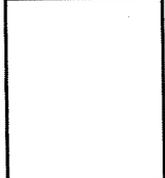
BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure

GPD ASSOCIATES
 320
 4379 A
 Indianapolis, Indiana 46250
 317-499-2596, Fax: 317-498-1311

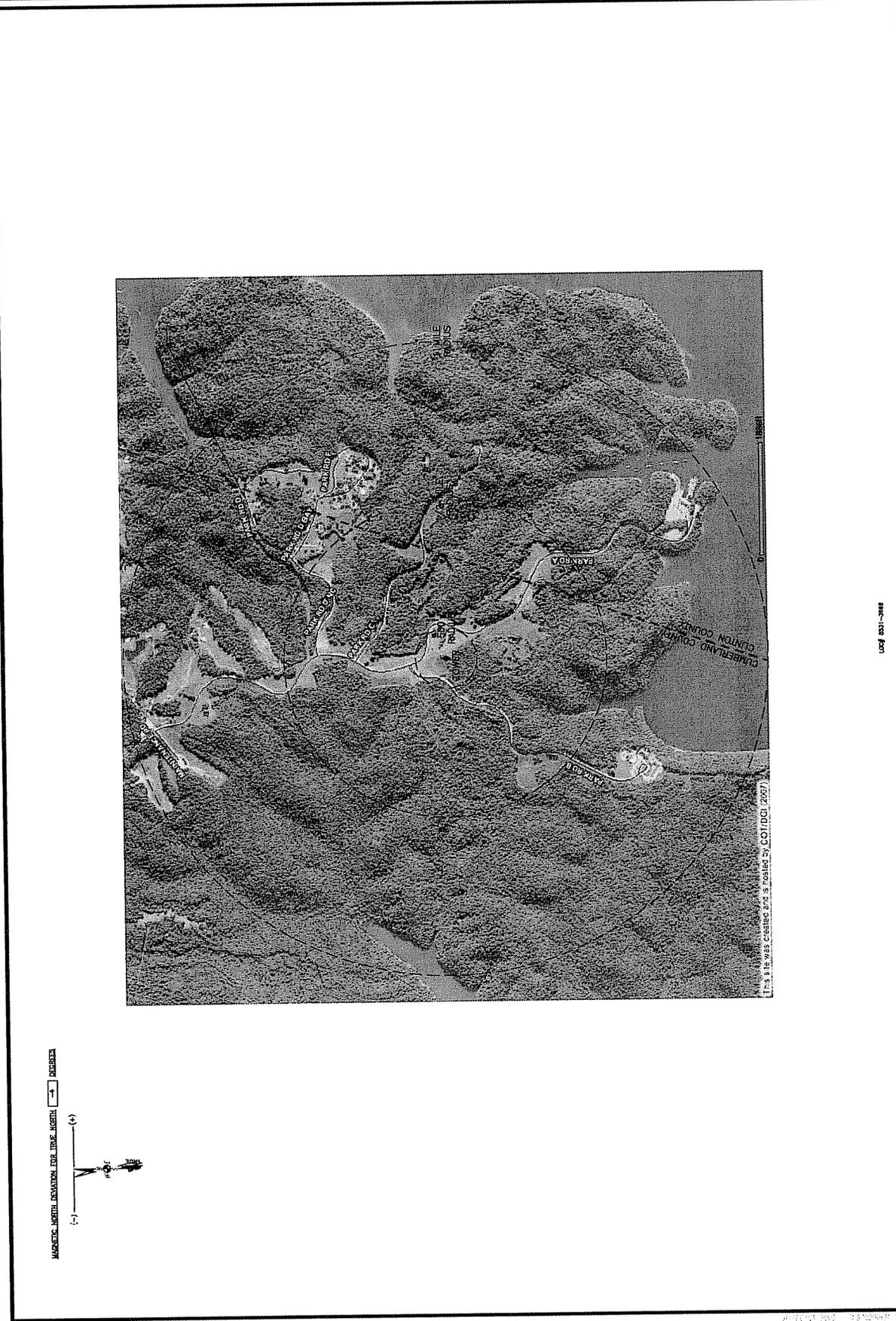
CROWN CASTLE
 INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
1	10/19/07	FINAL CONSTRUCTION DRAWING
2	11/19/07	ISSUED FOR PERMITS
3		
4		
5		
6		
7		
8		
9		
10		

GPD GROUP
 SITE NUMBER: 6631-3666
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8831-3666
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



SCALE: 1" = 100'

1

RADIUS OVERLAY



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultoncummins.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Susan Conner
P.O. Box 177
Albany, KY 42602

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

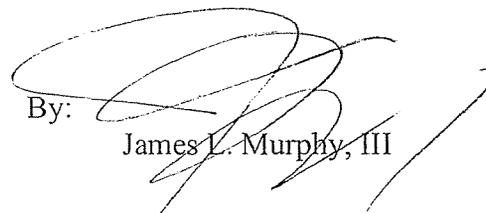
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BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure

GPD ASSOCIATES
 4375 Alton Road
 Indianapolis, Indiana 46210
 317-495-5994, Fax 317-495-1681

CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
01	10/19/07	FINAL CONSTRUCTION DRAWING
02	11/19/07	MAKING NOTED & NO DIMENSIONS
03		
04		
05		
06		
07		

REVISIONS
 DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8531-3658
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8531-3658
 SITE ADDRESS
 MARY BAY OAKEN LODGE ROAD
 BUKKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3
 SCALE
 N T 6
1



This site was created by Eng. S. J. Jones, by C.C. (H.C.) (2007)

LOC 8531-3658

RADIUS OVERLAY



BOULT CUMMINGS®
CONNERS BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Luther Conner
P.O. Box 177
Albany, KY 42602

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Enclosure

GPD ASSOCIATES
 200 Corporate Drive
 Canonsburg, PA 15717
 USA

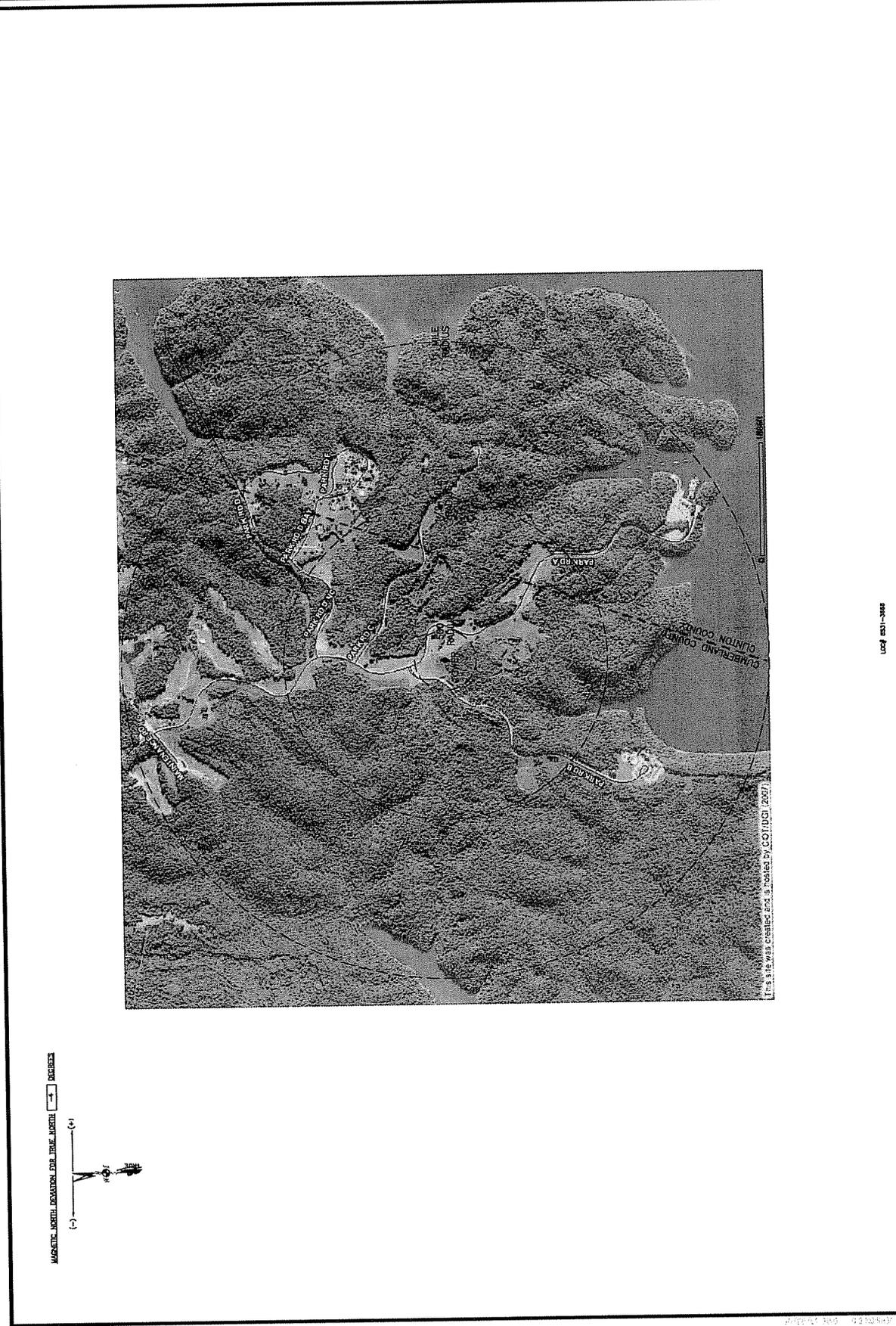
CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15717
 USA



REV	NO	DATE	DESCRIPTION
1	1	10/19/07	PAUL CONSTRUCTION DRAWING
2	2	11/15/07	MAKING NOTES & SD DIMENSIONS

GPD GROUP
 DRAWN BY: DCS
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 SITE NUMBER: 8631-3666
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8631-3666
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



SCALE 1:1

DATE

1

RADIUS OVERLAY

LOC 8631-3666

DATE

1

RADIUS OVERLAY



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Jerry Ray Butler
316 N Hubbards Lane
St. Matthews, KY 40207

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

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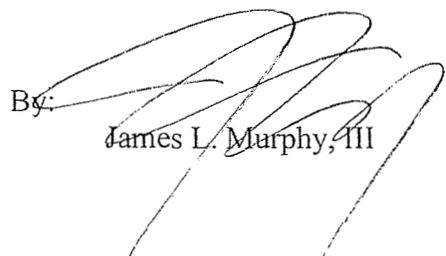
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:


James L. Murphy, III

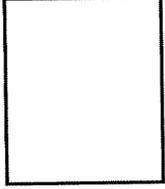
JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET · SUITE 700 · P.O. BOX 340025 · NASHVILLE · TN · 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

GPD
GPD ASSOCIATES
 4375 Aline Road
 Indianapolis, Indiana 46240
 317-975-5296 Fax: 317-975-1341

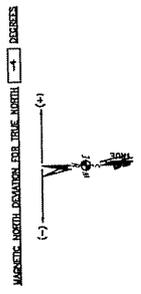

CROWN CASTLE
 INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



REV	DATE	DESCRIPTION

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8631-3666
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8631-3666
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



This site was checked and is owned by LOC1061 (2007)

LOC 8631-3666

SCALE
N.T.S.

1

RADIUS OVERLAY

DATE PLOTTED: 11/05/07 10:58:00 AM



BOULT CUMMINGS®
CONNERS BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11 2007

Via Certified Mail, Return Receipt Requested

Debra Haertzen
4724 Three Lakes Road
Crestwood, KY 40014

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET • SUITE 700 • P.O. BOX 340025 • NASHVILLE • TN • 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

GPD ASSOCIATES
 320
 4375 A
 Indianapolis, Indiana 46240
 317-299-2996, Fax 317-299-1311

CROWN CASTLE INTERNATIONAL

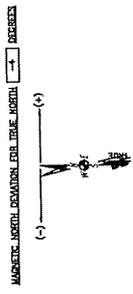
2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
1	10/19/07	FINAL CONSTRUCTION PERMITS
2	11/19/07	REVISIONS

GPD GROUP
 PREPARED BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 SITE NUMBER: 6531-3686
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC. ID#
 6531-3686
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BUKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



THIS SCALE WAS CHECKED BY GSI (GSI, 2007)

100' 0" 100'

SCALE
FTS 1

RADIUS OVERLAY



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Mark Haerten
4724 Three Lakes Road
Crestwood, KY 40014

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

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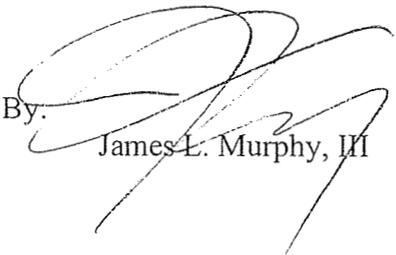
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By.


James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES
1600 DIVISION STREET - SUITE 700 - P.O. BOX 340025 - NASHVILLE - TN - 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Sherrie Kemper
4724 Three Lakes Road
Crestwood, Ky 40014

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

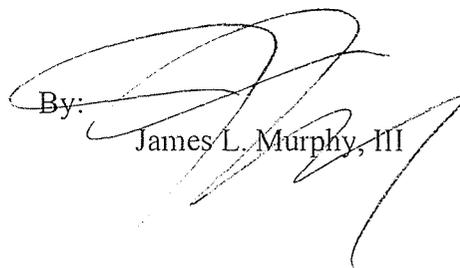
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Bill Kemper
4724 Three Lakes Road
Crestwood, KY 40014

**Re: Public Notice-Public Service Commission of Kentucky
Case No. 2007-00505 (Dale Hollow Cell Site)**

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES
1600 DIVISION STREET - SUITE 700 - P.O. BOX 340025 - NASHVILLE - TN - 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Sarah Houston
8314 Rail Fence Road
Fort Wayne, IN 46835

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

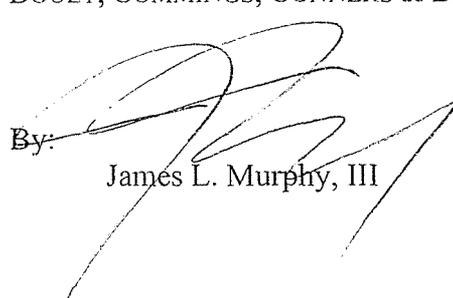
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:


James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET • SUITE 700 • P.O. BOX 340025 • NASHVILLE • TN • 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com



BOULT • CUMMINGS®
CONNERS • BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Howard Barnett
3686 Beulah Heights
Whitley City, KY 42653

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

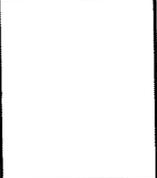
JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET • SUITE 700 • P.O. BOX 340025 • NASHVILLE • TN • 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

GPD
ASSOCIATES
 220
 4374 S.
 Indiana 46130
 317-299-2896 Fax: 317-299-1511

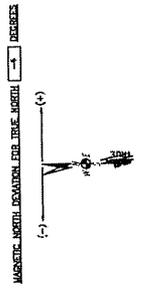
CROWN CASTLE
 INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
1	10/19/07	FINAL CONSTRUCTION DRAWING
2	11/14/07	MAKING NOTES & SO DIMENSIONS

GPD GROUP
 DRAWN BY: JTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 SITE NUMBER: 8631-3666
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8631-3666
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



LOC 8631-3666

1

RADIUS OVERLAY



BOULT • CUMMINGS®
CONNERS • BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Debbie Barnett
3686 Beulah Heights
Whitley City, KY 42653

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

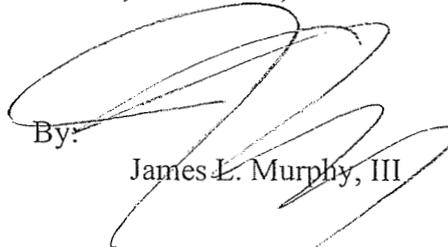
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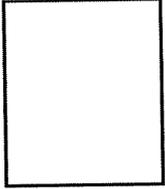
BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure

GPD
GPD ASSOCIATES
 8229 Allison Parkway Trail
 Indianapolis, Indiana 46240
 317-592-9296 Fax: 317-592-1841

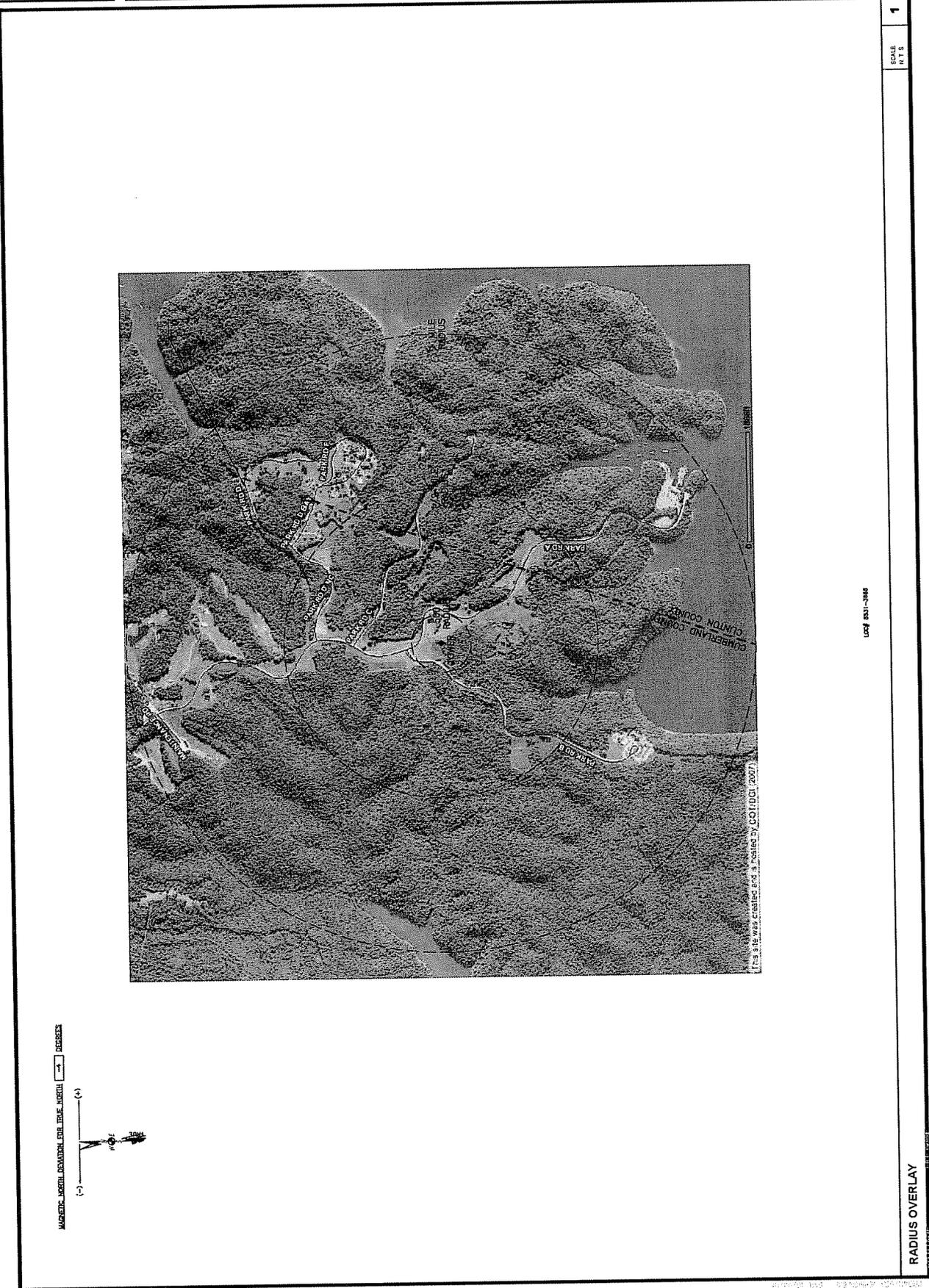

CROWN CASTLE
 INTERNATIONAL
 2000 CORPORATE DRIVE
 CANNONBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
01	11/19/07	FINAL CONSTRUCTION DRAWING
02		REVISIONS
03		
04		
05		
06		
07		
08		
09		
10		

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP:
 SITE NUMBER: 8631-3686
 SITE NAME: DALE HOLLOW
 SITE NAME:
 DALE HOLLOW
 LOC ID#:
 8631-3686
 SITE ADDRESS:
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY
RADIUS OVERLAY
 SHEET TITLE
 SHEET NUMBER

C-3



SCALE: 1" = 100'

1

RADIUS OVERLAY



BOULT • CUMMINGS®
CONNERS • BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

David Riddle
3609 Spann Avenue
Indianapolis, IN 46203

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

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BOULT, CUMMINGS, CONNERS & BERRY, PLC

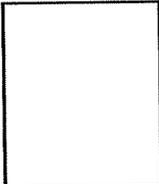
By:

James L. Murphy, III

JLM/cw
Enclosure

CLUB HILL CUMBERLAND COUNTY, INC.
GPD ASSOCIATES
 Suite 200
 8375 Aline Road Trail
 Indianapolis, Indiana 46250
 317-299-9936, Fax 317-299-1041

CROWN CASTLE
 INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 USA



NO.	DATE	DESCRIPTION	BY
1	11/19/07	FINAL CONSTRUCTION DRAWING	DTIC
2	12/18/07	REVISIONS	
3			
4			
5			
6			
7			
8			
9			
10			

DESIGNER: DTIC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8531-3686
 SITE NAME: DALE HOLLOW
 SITE NAME: DALE HOLLOW
 DALE HOLLOW
 LOC ID#
 8531-3686
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY

SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



UGD 8531-3686

SCALE
 N.T.S.
 1

RADIUS OVERLAY



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Chestnut Grove Church & Cemetery
State Park Road
Burkesville, KY 42717

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

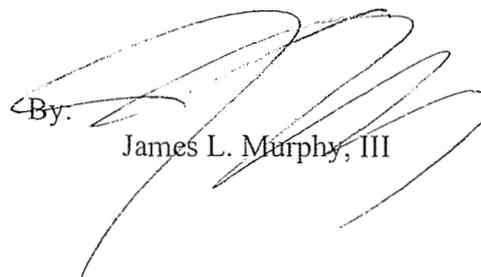
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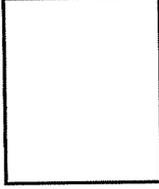
BOULT, CUMMINGS, CONNERS & BERRY, PLC

By. 
James L. Murphy, III

JLM/cw
Enclosure

CLARK FRY SCHEIDT BIRBA & SHAW INC.
GPD ASSOCIATES
 Suite 200
 6375 A Line Road, Tull
 Indianapolis, Indiana 46240
 317-599-2596, Fax 317-593-1311

CROWN CASTLE
 INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
01	11/19/07	FINAL CONSTRUCTION DRAWINGS
02	11/19/07	BUILDING NUMBER & SO. CLAYTONS
03		
04		
05		
06		
07		
08		
09		
10		

REVISIONS
 DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07

GPD GROUP
 SITE NUMBER: 8531-3686
 SITE NAME: DALE HOLLOW

SITE NAME
 DALE HOLLOW

LOC ID#
 8531-3686

SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURGESSVILLE, KY 42717
 CUMBERLAND COUNTY

SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



10/19/07 8531-3686

SCALE
 N.T.S.

RADIUS OVERLAY

1



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Bruce Ferguson
6102 Orinoco Avenue
Indianapolis, IN 46217

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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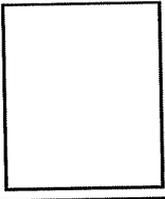
By:

James L. Murphy, III

JLM/cw
Enclosure

GPD ASSOCIATES
 6277 Allison Park Trail
 Indianapolis, Indiana 46220
 317-897-5796, Fax 317-898-1611

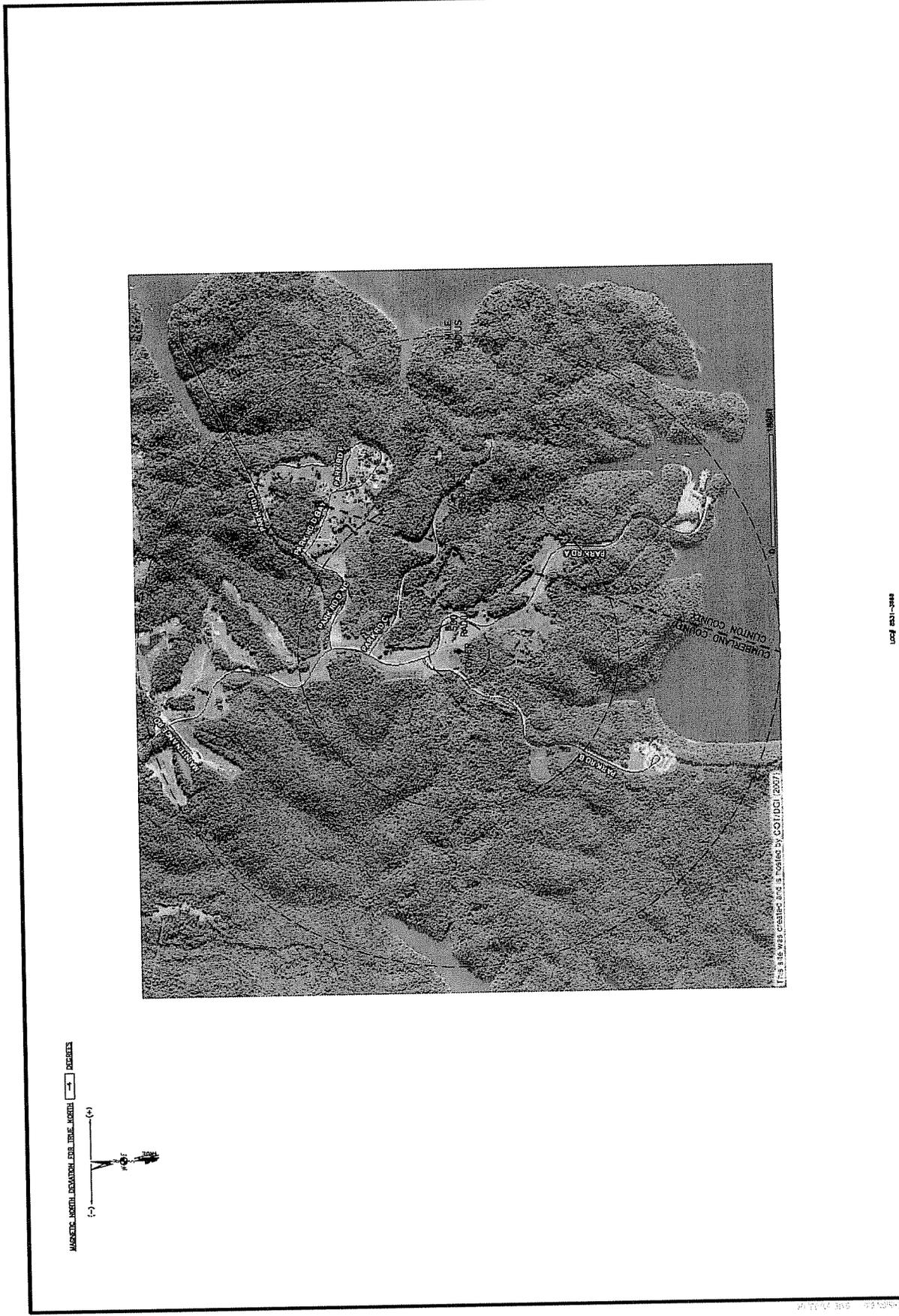
CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 USA



NO.	DATE	DESCRIPTION
01	10/19/07	FINAL CONSTRUCTION DRAWING
02	11/14/07	ADDED NOTES & NO. CHANGES
03		
04		
05		
06		
07		
08		
09		
10		

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8531-3686
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8531-3686
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



SCALE
1" = 100'

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RADIUS OVERLAY

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BOULT • CUMMINGS®
CONNERS • BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Franklin Flowers
98 Jennings Road
Bow, Ky 42717

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to **Case No.2007-00505** in your correspondence. If I can be of assistance to you, please do not hesitate to contact me.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

LAW OFFICES

1600 DIVISION STREET - SUITE 700 - P.O. BOX 340025 - NASHVILLE - TN - 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Rosemary Flowers
98 Jennings Road
Bow, KY 42717

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

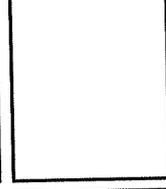
By:

James L. Murphy, III

JLM/cw
Enclosure

GPD ASSOCIATES
 8372 Altona Park Trail
 1175 S. 20th St.
 P.O. Box 2204, Inc 1175-23-1331

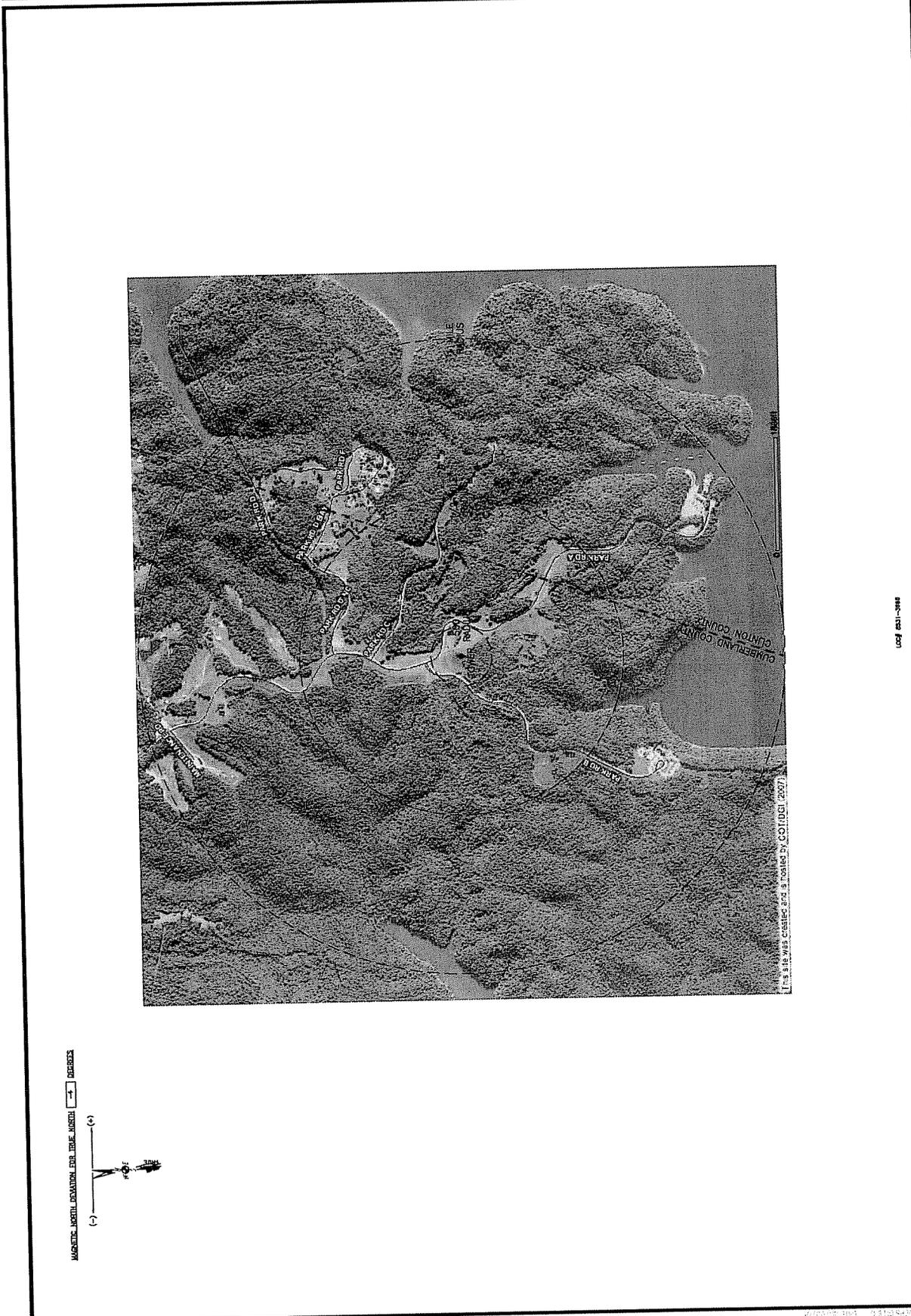
CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CANNONBURG PA 15117
 USA



NO.	DATE	DESCRIPTION	BY
1	10/19/07	FINAL CONSTRUCTION DRAWING	
2	11/14/07	REVISIONS	

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07
 GPD GROUP
 SITE NUMBER: 8631-3686
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 8631-3686
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURNSVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



SCALE
1" = 100'

RADIUS OVERLAY

10/19/07



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Bobby Jennings
3030 Old Elizabethtown Road
Hodgenville, KY 42748

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Nadine Jennings
3030 Old Elizabethtown Road
Hodgenville, KY 42748

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

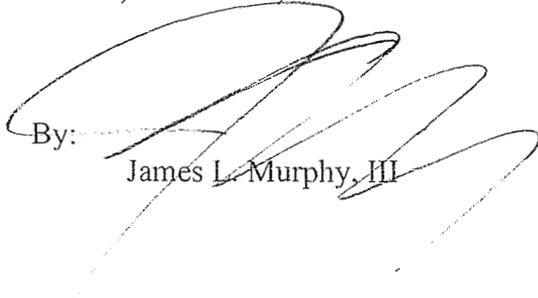
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 

James L. Murphy, III

JLM/cw
Enclosure

CLAYTON ENGINEERING & SURVEYING, INC.
GPD ASSOCIATES
 Suite 200
 4323A Indiana Avenue
 Indianapolis, Indiana 46240
 317-595-9596, Fax 317-595-1381

CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CANNONBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION
01	12/18/07	FINAL CONSTRUCTION DRAWINGS
02	11/14/07	BUILDING FOOTING & SO FOUNDATIONS

REVISIONS
 DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07

GPD GROUP
 SITE NUMBER: 6831-3686
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 6831-3686

SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURKESVILLE, KY 42717
 CUMBERLAND COUNTY

SHEET TITLE
RADIUS OVERLAY
 SHEET NUMBER

C-3



usgs 6801-3686

SCALE
 N.T.S.
1

RADIUS OVERLAY



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James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Joy Groce
5144 Mann Road
Indianapolis, In 46221

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

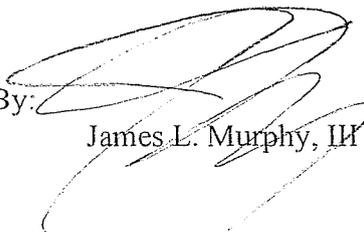
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
James L. Murphy, III

JLM/cw
Enclosure

CLARK FUGO ARCHITECTS & PLANNING, INC.
GPD ASSOCIATES
 6329 Alton Road, Tell
 Indianapolis, Indiana 46220
 317-575-2556, Fax 317-575-1551

CROWN CASTLE
 INTERNATIONAL, INC.
 2000 CORPORATE DRIVE
 CANNONBURG, PA 15117
 USA



NO.	DATE	DESCRIPTION	BY
1	12/19/07	FINAL CONSTRUCTION DRAWINGS	SR
2	11/19/07	BUILDING FOOTING & SO. FOUNDATIONS	SR

DESIGNED BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/19/07

GROUP: GPD
 SITE NUMBER: 6531-3666
 SITE NAME: DALE HOLLOW

SITE NAME: DALE HOLLOW

LOC ID#: 6531-3666

SITE ADDRESS: MARY RAY OAKEN LODGE ROAD
 BURVESVILLE, KY 42717
 CUMBERLAND COUNTY

SHEET TITLE: **RADIUS OVERLAY**
 SHEET NUMBER:

C-3



THIS SITE WAS CENSUSED BY COUSINS (2007)

ucpl 03/11-2008

WAGNER NORTH PLANNING FOR THE NORTH [] METERS
 (-) (+) (←) (→)

SCALE: N.T.S.

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RADIUS OVERLAY



BOULT - CUMMINGS®
CONNERS - BERRY PLC

James L. Murphy, III
 (615) 252-2302
 Fax: (615) 252-6303
 Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Jerry Ray Butler
 316 N Hubbards Lane
 St. Matthews, KY 40207

**Re: Public Notice-Public Service Commission of Kentucky
 Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

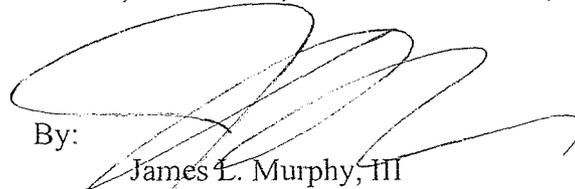
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Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to **Case No.2007-00505** in your correspondence. If I can be of assistance to you, please do not hesitate to contact me.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:



James L. Murphy, III

JLM/cw
 Enclosure



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CONNERS ■ BERRY PLC

James L. Murphy, III
 (615) 252-2302
 Fax: (615) 252-6303
 Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

Terry Eaves
 151 Norrod Road
 Monroe, TN 38573

**Re: Public Notice-Public Service Commission of Kentucky
 Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to **Case No.2007-00505** in your correspondence. If I can be of assistance to you, please do not hesitate to contact me.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
 Enclosure



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

James L. Murphy, III
(615) 252-2302
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 11, 2007

Via Certified Mail, Return Receipt Requested

John Houston
8314 Rail Fence Road
Fort Wayne, IN 46835

**Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)**

Dear Sir or Madam:

Crown Communications Inc., has applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new wireless communications facility. The wireless communications facility will be located at the Dale Hollow State Park in Cumberland County, Kentucky (36°38'51.60972" N latitude, 85°17'33.07531" W longitude). The wireless communications facility will be comprised of a 190 foot self-supporting antenna tower, plus lightning arrestor and related ground facilities. An aerial photograph showing the location of the proposed new facility within the Dale Hollow State Park is enclosed.

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Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to **Case No.2007-00505** in your correspondence. If I can be of assistance to you, please do not hesitate to contact me.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw
Enclosure

CHARLES SCHEIDT ENGINEERING INC.
GPD ASSOCIATES
 Suite 220
 1337 S. State Street
 Indianapolis, Indiana 46220
 317-299-2998, Fax 317-293-1331



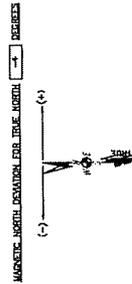
2000 CORPORATE DRIVE
 CANNONBURG, PA 16317
 USA



NO.	DATE	DESCRIPTION
1	10/19/07	FINAL CONSTRUCTION DRAWING
2	11/19/07	ISSUED FOR PERMITS & OR CLARIFICATIONS

DRAWN BY: DTC
 CHECKED BY: []
 DRAWING DATE: 10/19/07
 [] GPD GROUP
 SITE NUMBER: 8531-3668
 SITE NAME: DALE HOLLOW
 [] SITE NAME
 DALE HOLLOW
 [] LOCATION
 8531-3668
 [] SITE ADDRESS
 MARY BAY GARDEN LODGE ROAD
 BUKKESVILLE, KY 42717
 CUMBERLAND COUNTY
 [] SHEET TITLE
RADIUS OVERLAY
 [] SHEET NUMBER

C-3



THIS SITE WAS CREATED BY SPOLES BY COTIUCI (2007)

10/19/07

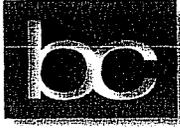
SCALE 1" = 100'

RADIUS OVERLAY

1

Exhibit P

Notice Letter to Cumberland County Judge Executive



BOULT CUMMINGS®
CONNERS BERRY PLC

James L. Murphy, III
(615) 252-2303
Fax: (615) 252-6303
Email: jmurphy@boultcummings.com

December 7, 2007

Re: Public Notice-Public Service Commission of Kentucky
Case No.2007-00505(Dale Hollow Cell Site)

VIA CERTIFIED MAIL

Hon. Tim Hicks
Cumberland County Judge Executive
600 Courthouse Square
Burkesville, KY 42717

Dear Judge Hicks:

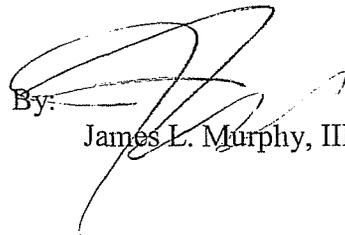
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Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

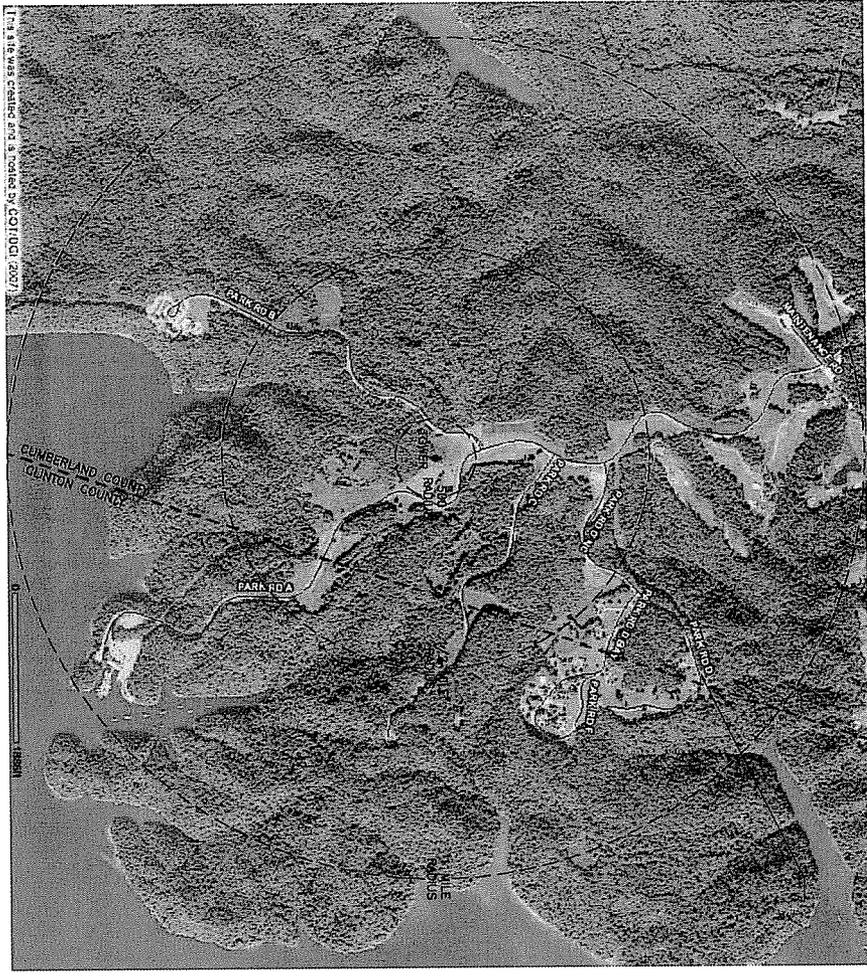
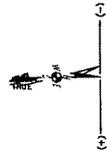
By: 
James L. Murphy, III

JLM/cw
Enclosure

1714337 v1
100462-933
12/7/2007

LAW OFFICES
1600 DIVISION STREET • SUITE 700 • P.O. BOX 340025 • NASHVILLE • TN • 37203
TELEPHONE 615.244.2582 FACSIMILE 615.252.6380 www.boultcummings.com

WATER, SEWER, GAS, TELEPHONE, AND CABLE SERVICES



loc 851-3686

RADIUS OVERLAY

SCALE 1" = 100'

1


GPD ASSOCIATES
 4274 Aiken Road, Suite 200
 Indianapolis, Indiana 46240
 317-295-2596 Fax 317-295-1331


CROWN INTERNATIONAL V.I.
 2000 CORPORATE DRIVE
 CANONSBURG, PA 15317
 USA

NO.	DATE	DESCRIPTION
1	12/19/07	FINAL CONSTRUCTION DRAWINGS
2	11/19/07	BUILDING REVISED & BID CLARIFICATIONS

DRAWN BY: DTP
 CHECKED BY: DTP
 DATE: 10/19/07
 PROJECT NO.: 07-111
 SHEET NO.: 1
 SHEET TITLE: RADIUS OVERLAY
 SHEET NUMBER: 1

C-3

Exhibit Q

Text of Posted Signs

**Crown Communications Inc. proposes to
construct a telecommunications**

MONOPOLE

on this site. If you have questions, please contact:

**Brendan Walsh
2000 Corporate Dr.
Canonsburg, PA 15317**

or

**Executive Director
Public Service Commission
211 Sower Blvd, PO Box 615
Frankfort, KY 40602**

Please refer to 2007-00505 in your correspondence.

**Crown Communications Inc. proposes to
construct a telecommunications**

MONOPOLE

near this site. If you have questions, please contact:

**Brendan Walsh
2000 Corporate Dr.
Canonsburg, PA 15317**

or

**Executive Director
Public Service Commission
211 Sower Blvd, PO Box 615
Frankfort, KY 40602**

Please refer to 2007-00505 in your correspondence.