



Steven L. Beshear
Governor

Leonard K. Peters
Secretary
Energy and Environment Cabinet

Commonwealth of Kentucky
Public Service Commission
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Frankfort, Kentucky 40602-0615
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psc.ky.gov

David L. Armstrong
Chairman

James W. Gardner
Vice Chairman

Charles R. Borders
Commissioner

April 21, 2010

John and Emily Halsey
400 D. Wilson Road
Knifley, KY 42753

Re: Case No. 2010-00018
APPLICATION OF CUMBERLAND CELLULAR PARTNERSHIP FOR
ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY TO CONSTRUCT A WIRELESS TELECOMMUNICATIONS
FACILITY (KNIFLEY) IN RURAL SERVICE AREA #5 (ADAIR) OF THE
COMMONWEALTH OF KENTUCKY

Mr. and Mrs. Halsey:

On April 19, 2010, the Kentucky Public Service Commission ("Commission") received your comments and request for information. Specifically, you requested a copy of the following items provided within the wireless tower construction application:

- (a) Applicant's vertical profile sketch of the tower, signed and sealed by a professional engineer indicating the height of the tower and the placement of all antennas
- (b) Applicant's tower and foundation design plans

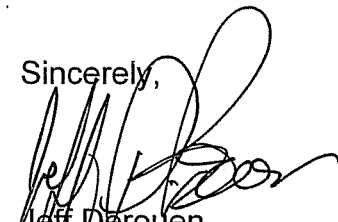
Copies of those items, as provided by the Applicant, are included with this letter.

Your letters have been placed in the official case file for this proceeding and the Commission will carefully analyze this application and your comments before rendering its final decision. If you have any additional questions, comments or requests for information, you must submit them to the Commission, with a copy to the Applicant's attorney, **within 10 days** of the date of this letter.

John and Emily Halsey
April 21, 2010
Page 2 of 2

If you have any questions or concerns regarding this matter, please contact Commission Staff Attorney Tiffany Bowman at (502) 564-3940, ext. 465.

Sincerely,



Jeff Derouen
Executive Director

JD/tjb
enc.

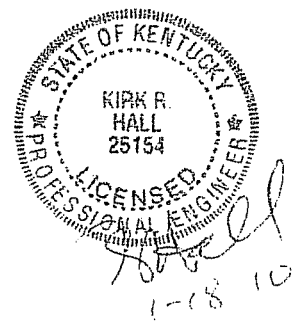
cc: Main Case File – 2010-00018
Parties of Record

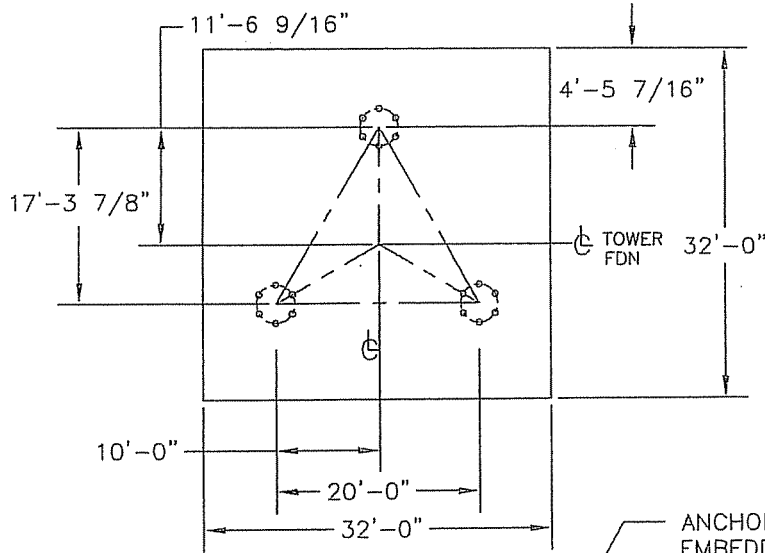


World Tower
COMPANY, INC.

1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
270-247-3642
FAX: 270-247-0909
E-mail worldtower@worldtower.com
Web: www.worldtower.com

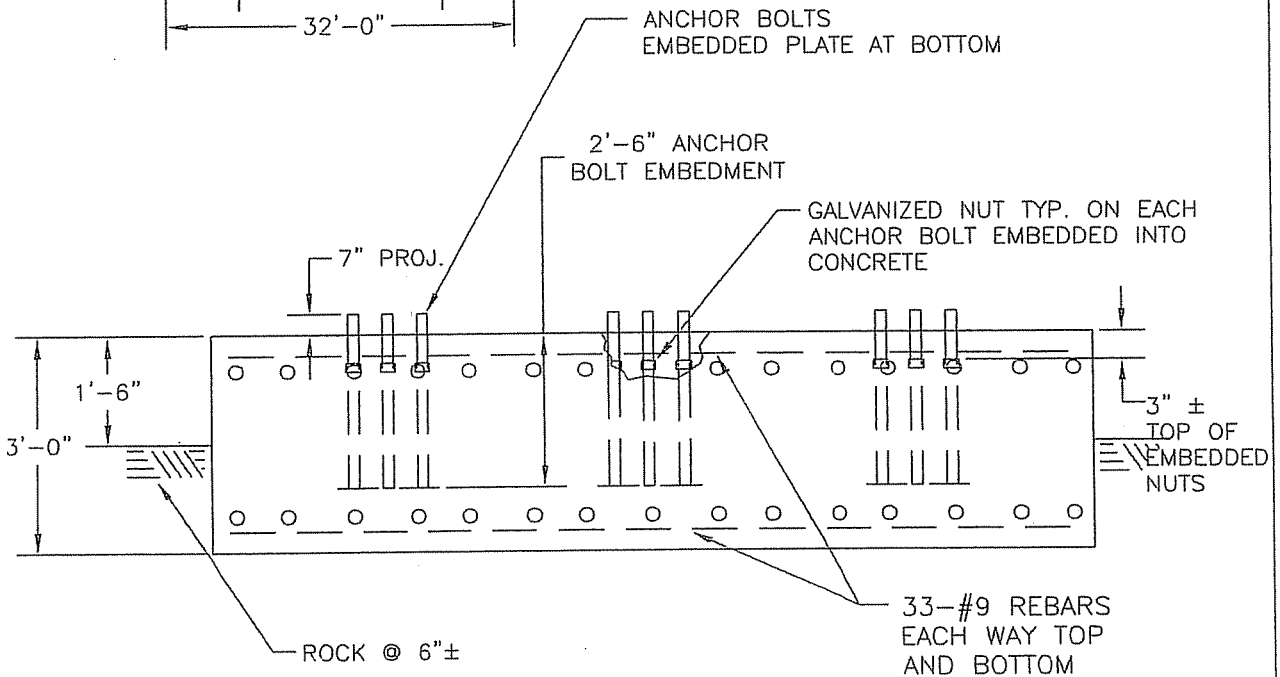
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: KNIFLEY, KY
ADAIR COUNTY
DESIGN PACKAGE





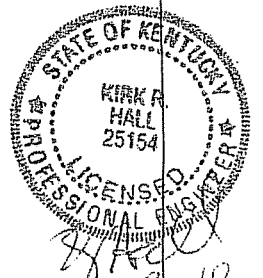
113.8 CU. YDS.
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	6390.0 FT. KIPS
COMP.	395.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	50.0 KIPS
WT. NO ICE	79.0 KIPS
WT. 3/4" ICE	188.0 KIPS



GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM TERRACON. PROJECT NO. 57097358 DATED JANUARY 4, 2010.

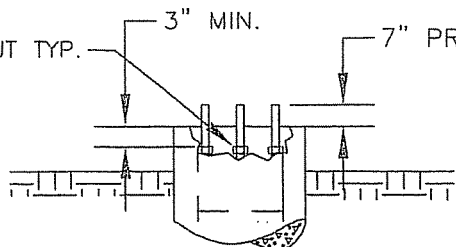


TITLE: FOUNDATION DETAIL
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: KNIFLEY, KY
ADAIR COUNTY

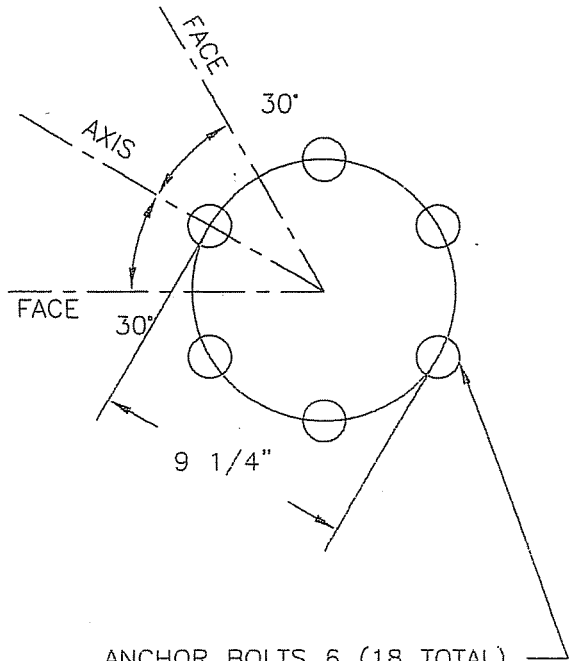
WORLD TOWER

SCALE NONE	DWN. LKB	CKD.	DATE 1-18-10
FILE	DWG. NO. Q10035F		

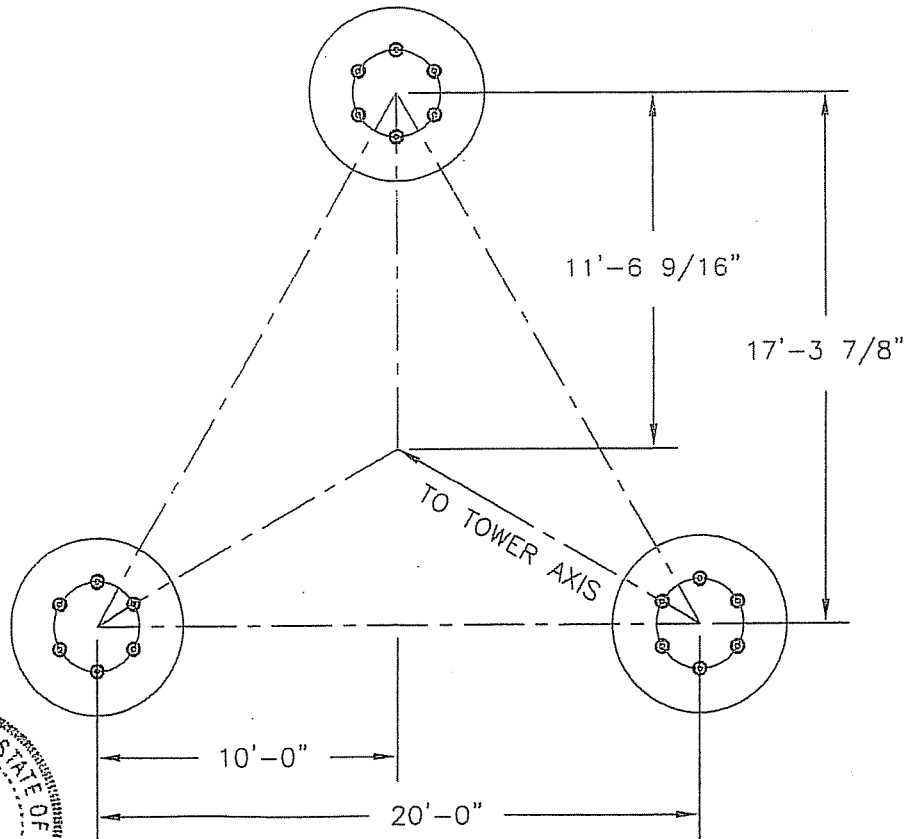
GALVANIZED NUT TYP. 3" MIN. 7" PROJ.



PIER ELEVATION



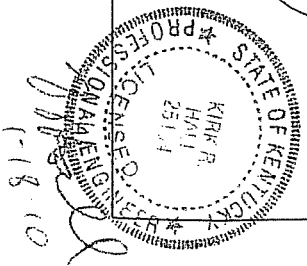
ANCHOR BOLTS 6 (18 TOTAL)
 1 1/4"Ø X 37" ASTM A354 GR. BC
 EQUALLY SPACED ON A 9 1/4"
 DIA. BOLT CIRCLE WITH TOP TEMPLATE
 AND EMBEDDED PLATE



WORLD TOWER

TITLE: ANCHOR BOLT LAYOUT
 240' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE : KNIFLEY, KY
 ADAIR COUNTY

SCALE NONE	DWN. LKB	CKD.	DATE 1-18-10
FILE	DWG. NO. Q10035AB		



ALL LINES AND ANTENNAS TO BE PROPERLY MOUNTED TO TOWER OR STRUCTURE PER BLUEGRASS CELLULAR SPECIFICATIONS.

ALL GROUND BARS TO BE INSTALLED AND CAD WELDED TO GROUND FIELD (WHERE REQUIRED)

ALL LINES TO BE GROUNDED AT THE TOP AND BASE OF STRUCTURE OR TOWER.

ALL LINES TO BE GROUNDED AT ENTRANCE OF SHELTER BEFORE WAVE GUIDE PORTS. (EXTERIOR OF BUILDING)

LINES ARE TO BE SECURED TO ICE BRIDGE

WAVE-GUIDE BOOTS ARE TO BE INSTALLED ON ALL LINES (BOTH INSIDE AND OUTSIDE)

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12" & INSTALL POLYPHASERS AND GROUNDING, PER INSTRUCTION OF PROJECT SUPERVISOR.

GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

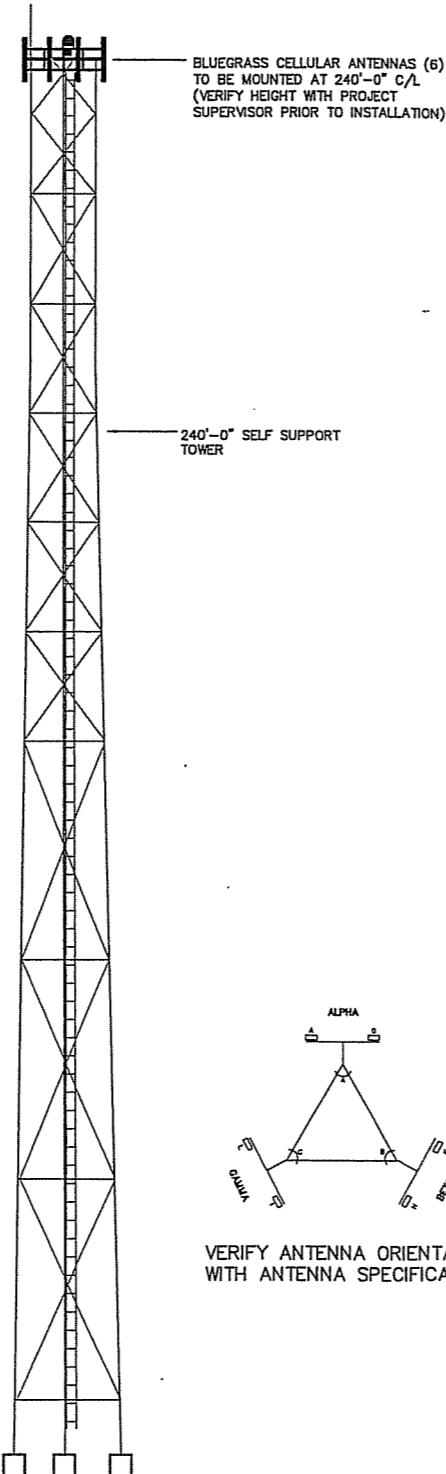
ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET & ANTENNAS COMPLETE.

CONTRACTOR TO INSTALL LIGHTING SYSTEM PER FAA ADVISORY 70/7460-1K CHANGE 2, OBSTRUCTION MARKING AND LIGHTING, A MED-DUAL SYSTEM - CHAPTERS 4,8(M-DUAL), & 12

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	PENDING	L=78.6 W=10.3 D=4.6	6	0*, 120*, 240*	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	TRI-SECTOR MOUNT		3
MOUNT (SECONDARY)			

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	ANDREW	1-5/8"	6
TRANSMISSION LINE (SECONDARY)			

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1					
DISH #2					

DISH MOUNT SPECS

	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

* ANTENNAS TO HAVE A 2*E
* ANTENNA FREQUENCY 880.00 - 890.00

RAB

6400 MERCURY DRIVE LOUISVILLE, KY 40291
 (502) 261-2127 FAX (502) 261-2125

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
KNIFLEY
 211 TUCKER WARREN RD. KNIFLEY, KY. 42753

DRAWN BY: R. BECKER
 ISSUE DATE: 1-20-10
 SCALE: LISTED

SHEET NUMBER
 ANTENNA DETAILS
 1