

**A RESOLUTION APPROVING THE MINOR MODIFICATION TO THE CUP FOR  
THE CROWN CASTLE TELECOMMUNICATION TOWER LOCATED AT 625 OLD  
FAYETTEVILLE ROAD ALLOWING ALLTEL TO LOCATE AN ANTENNA ON  
THE TOWER AND EXPAND THE COMPOUND BY 37 FEET BY 16 FEET**

**Resolution No. 94/2007-08**

WHEREAS, the Carrboro Board of Aldermen approved a Conditional Use Permit for a telecommunications tower at 625 Old Fayetteville Road on February 9, 1999; and

WHEREAS, the Town of Carrboro Land Use Ordinance requires that additional users on a tower shall constitute a minor modification to the original Conditional Use Permit; and

WHEREAS, the Board of Aldermen finds that the applicant has satisfied the requirements related to minor modifications for towers contained in the Land Use Ordinance.

NOW, THEREFORE BE IT RESOLVED that the Carrboro Board of Aldermen approve the minor modification to the Crown Castle Telecommunication Tower located at 625 Old Fayetteville Road to allow Alltel to install an antenna on the tower and expand the compound by 37 feet by 16 feet.

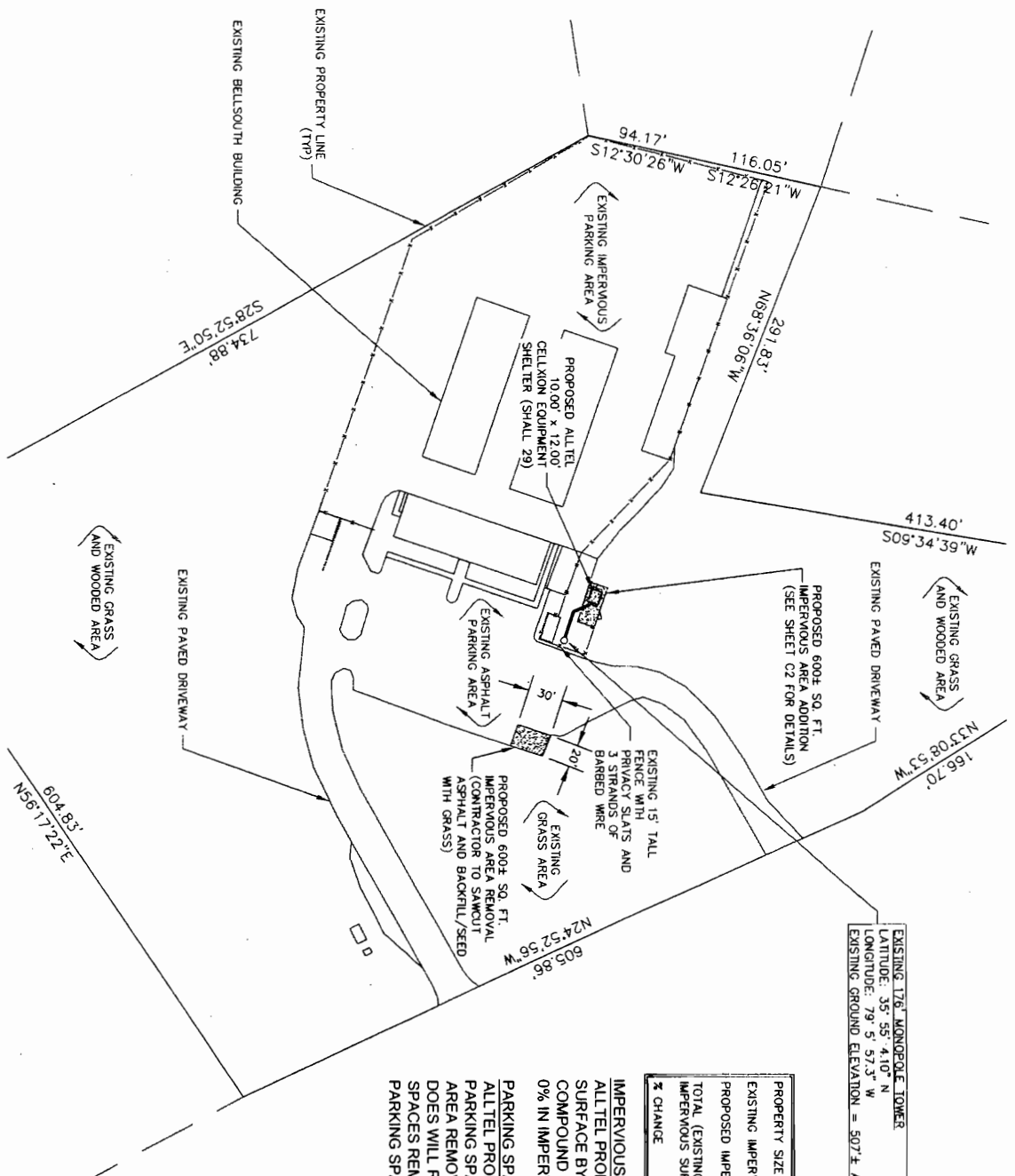
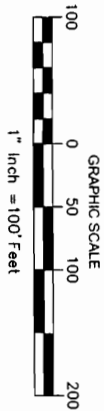
Drawing name: F:\00\ALLTEL\2007\PLANTATION ACRES - 011348265\cod\PCD'a\Plantation Acres\_CD'a.dwg C1 Oct 15, 2007 9:44am by: bryan.thorne

**SURVEY NOTE:**  
OVERALL PROPERTY LAYOUT AND IMPERVIOUS  
CALCULATIONS BASED ON SURVEY BY BATEMAN  
CIVIL-SURVEY CO. DATED 6/22/07.

NOT FOR RECORDATION, SALES OR CONVEYANCES

# SITE PLAN

SCALE: 1" = 100'



EXISTING 176' MONOPOLE TOWER  
LATITUDE: 35° 55' 4.10" N  
LONGITUDE: 79° 5' 57.3" W  
EXISTING GROUND ELEVATION = 507' ± AMSL

PROPERTY SIZE	499,013 SQ. FT. (11.456 ACRES)
EXISTING IMPERVIOUS SURFACE	150,523 SQ. FT. (3.00%)
PROPOSED IMPERVIOUS SURFACE	0 TOTAL ADDITIONAL SQ. FT. (0.0%)
TOTAL (EXISTING & PROPOSED)	150,523 SQ. FT. (3.00%)
IMPERVIOUS SURFACES	
% CHANGE	0.0%

## IMPERVIOUS NOTE:

ALLTEL PROPOSES TO REMOVE EXISTING IMPERVIOUS SURFACE BY EQUAL AMOUNT TO THE PROPOSED COMPOUND EXPANSION RESULTING IN A NET CHANGE OF 0% IN IMPERVIOUS SURFACE AREA.

## PARKING SPACE REMOVAL NOTE:

ALLTEL PROPOSES TO REMOVE APPROXIMATELY 3 PARKING SPACES AS A RESULT OF THE IMPERVIOUS AREA REMOVAL. REMOVAL OF THESE PARKING SPACES DOES WILL RESULT IN APPROXIMATELY 64 PARKING SPACES REMAINING WHICH IS WELL ABOVE THE 34 PARKING SPACE REQUIREMENT FOR THIS PROPERTY.

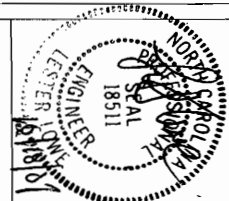
PREPARED IN THE OFFICE OF:  
**Kimley-Horn and Associates, Inc.**  
Raleigh, North Carolina  
P.O. Box 33061 Zip 27626-3068  
(919) 877-2000

SCALE: 1" = 100'  
DESIGNED BY: [Signature]  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
REVISION: 0

EAS BMT  
BY CKO

NO. 151567 PERMITTING SUBMITTAL  
DATE REVISION DESCRIPTION

**Elitel**  
Alltel Communications, Inc.



## SITE PLAN

147' CO-LOCATION

ALLTEL - PLANTATION ACRES  
TOWN OF CARBORO  
ORANGE COUNTY  
NORTH CAROLINA

DOCUMENT NO. 011348265

C1

Copyright (Kimley-Horn and Associates, Inc., 2007)

**James Thomas**

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**From:** W. T. Joines [wtj@ee.duke.edu]  
**Sent:** Tuesday, February 05, 2008 11:44 AM  
**To:** James Thomas  
**Subject:** RE: Additional information needed for Plantation Acres.

Dear Mr. Thomas

I have reviewed the information that you sent to me this morning regarding the cellular tower at Old Fayetteville Road. I have given this matter my full attention since there may be some urgency if a BOA meeting is held today.

After reviewing the new material, I conclude, as I speculated in my letter of 1/21/08, that no more than 0.01 milliwatts per square centimeter would ever be added to the previously existing 0.58 milliwatts per square centimeter. Thus, for these numbers, a power density of 0.01 milliwatts per square centimeter added to the existing 0.58 milliwatts per square centimeter to yield a possible ground-level power density of 0.59 milliwatts per square centimeter is still considerably less than the guideline of 1.1 milliwatts per square centimeter. From this I conclude that the new Alltel installation would not cause the electromagnetic power density in the vicinity of the tower to exceed recommended safety limits.

Please let me know if any additional information is needed.

Best regards,

William T. Joines, Ph.D.  
 Professor  
 ECE Department  
 Duke University

-----Original Message-----

**From:** James Thomas [mailto:JThomas@ci.carrboro.nc.us]  
**Sent:** Tuesday, February 05, 2008 8:41 AM  
**To:** W. T. Joines  
**Subject:** Additional information needed for Plantation Acres.  
**Importance:** High

Mr. Joines-

Attached you will find additional information for the cellular tower at Old Fayetteville Road per your request. I hope this information will help and let me know if you need anything else. Thanks.

James Thomas  
 Planner/Zoning Development Specialist  
 Town of Carrboro Zoning Division  
 Telephone (919) 918-7335  
 Fax (919) 942-1720

-----Original Message-----

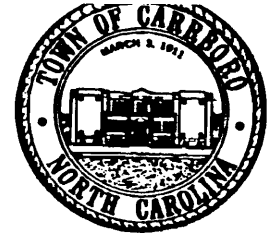
**From:** Bryan.Thorne@kimley-horn.com [mailto:Bryan.Thorne@kimley-horn.com]  
**Sent:** Tuesday, February 05, 2008 8:30 AM  
**To:** James Thomas  
**Subject:** RE: Additional information needed for Plantation Acres.  
**Importance:** High

Mr. Thomas,

Please see the attached information and the information copied below from the RF Engineer.

## TOWN OF CARRBORO

## LAND USE PERMIT APPLICATION



DATE: 10/15/07

FEE: 250.00

APPLICANT: Alltel (Agent - Bryan Thorne)	OWNER: Crown Castle (Tower owner) (BellSouth overall prop owner)
ADDRESS: 3001 Western Parkway	ADDRESS: 9105 Monroe Rd, Suite 150
CITY/STATE/ZIP: Cary, NC 27513	CITY/STATE/ZIP: Charlotte, NC 28270
TELEPHONE/FAX: PHONE: 919-678-4146 FAX: 919-677-2050	TELEPHONE/FAX: PHONE: 704-321-3819 FAX:
LEGAL RELATIONSHIP OF APPLICANT TO PROPERTY OWNER: Agent to colocate on owner's tower	TAX MAP(S), BLOCK(S), LOT(S): 9778085910 (DB202, PG1564)
PROPERTY ADDRESS: 625 Old Fayetteville Rd, Carrboro, NC	PROPOSED LAND USE & USE CLASSIFICATION: Co-locate Equipment on existing tower
PRESENT LAND USE & USE CLASSIFICATION: Commercial (Existing cell tower & BellSouth building)	LOT AREA: 11.456 Acres (Total Property 499,043 Square Feet)
ZONING DISTRICT(S) AND AREA WITHIN EACH (including Overlay Districts): WM3 (University Lake Watershed)	
# OF BUILDINGS TO REMAIN: 1 inside tower compound	GROSS FLOOR AREA: 144 square feet
# OF BUILDINGS PROPOSED: 2 total inside tower compound (1 new add)	GROSS FLOOR AREA (of proposed building or proposed addition): 120 square feet

NAME OF PROJECT/DEVELOPMENT: Alltel - Plantation Acres Co-10

TYPE OF REQUEST	**INFORMATION REQUESTED (Refer to Attached Key)
SUBDIV. FINAL PLAT / EXEMPT PLAT	1, 18, 19, 21, 23, 31, 33, 34, 36
CONDITIONAL USE PERMIT (CUP)	1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36
CUP MODIFICATION	SAME AS CONDITIONAL USE PERMIT (CUP)
SPECIAL USE PERMIT (SUP)	1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36
SUP MODIFICATION	SAME AS SPECIAL USE PERMIT (SUP)
ZONING PERMIT (Project)	1, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 29, 30, 32, 34, 35, 36
ZONING PERMIT (Building) Residential Infill & Additions	9, 10, 22, 24, 34, 36 (also see "Building Permit Review - Residences Only" checklist)
SIGN PERMIT	1, 10, 13, 14, 17, 20, 36
VARIANCE	4, 5, 10, 20, 29, 34, 36 Attachment A
APPEAL	4, 5, 36, Attachment B
SPECIAL EXCEPTION	1, 4, 5, 8, 10, 20, 35, Attachment C

APPLICANT: Bryan Thorne (Agent)

DATE: 10/15/07

OWNER:

DATE: