

A RESOLUTION APPROVING THE MINOR MODIFICATION TO THE CUP FOR  
THE TOWN HALL TELECOMMUNICATION TOWER LOCATED AT 301 WEST  
MAIN STREET

Draft Resolution No. 15/2011-12

WHEREAS, the Carrboro Board of Aldermen approved a Conditional Use Permit for a telecommunications tower at 301 West Main Street on November 22, 1998; 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 by the Carrboro Board of Aldermen that the minor modification to the Town Hall Telecommunication Tower located at 301 West Main Street allowing AT&T to install three additional antennas to the existing array at the height of 135 feet and remove two existing equipment cabinets and replace them with “new” cabinets in the same location.

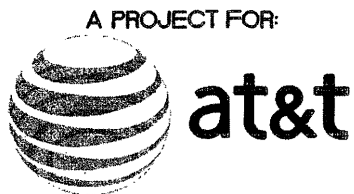
ISSUE

REVISION

DATE

△ INITIAL ISSUE

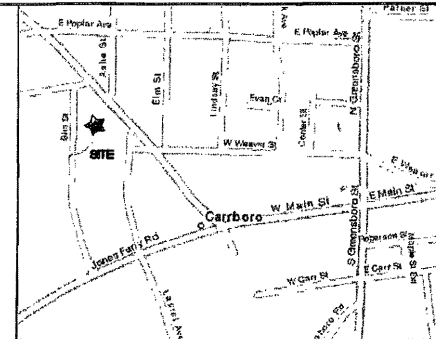
11/30/10



## PROPOSED EQUIPMENT UPGRADES

368-130  
301 WEST MAIN STREET  
CARRBORO, NC 27510  
WAKE COUNTY  
NORTH CAROLINA

DIRECTIONS:  
FROM RALEIGH, NC: MERGE ONTO I-40 W. MERGE  
ONTO NC-54 W. VIA EXIT 273A TOWARD CHAPEL  
HILL. CONTINUE FOR APPROX. 3.1 MILES. MERGE  
ONTO US-15 S/US-501 S. TOWARD NC-54  
W/CARRBORO/ PITTSBORO. 2.0 MILES. US-15  
S/US-501 S. BECOMES NC-54 W. CONTINUE FOR  
APPROX. 0.2 MILES. TAKE THE JONES FERRY RD.  
RAMP TOWARD CARRBORO. CONTINUE FOR  
APPROX. 0.2 MILES. TURN RIGHT ONTO JONES  
FERRY RD. CONTINUE FOR APPROX. 0.6 MILES.  
TURN LEFT ONTO W. MAIN ST. CONTINUE FOR  
APPROX. 0.2 MILES. END AT 301 W. MAIN ST  
CARRBORO, NC.



VICINITY MAP



### SITE INFORMATION:

#### OWNER INFORMATION:

TOWN OF CARRBORO  
PARCEL ID: 9778668579

#### TOWER OWNER:

TOWN OF CARRBORO  
AT&T SITE ID: 368-130

#### APPLICANT:

AT&T MOBILITY  
NORTH CAROLINA C.M.  
2002 PISGAH CHURCH ROAD  
GREENSBORO, NC 27455  
KEN WELKER  
OFFICE: (336) 549-9987

#### POWER:

DUKE ENERGY  
(800) 777-9898

#### TELCO:

AT&T  
(866) 620-6000

#### TOWER INFORMATION:

EXISTING MONOPOLE  
LAT. = 35.91158° N  
LONG. = 79.07789° W

#### BUILDING INSPECTIONS:

TOWN OF CARRBORO  
INSPECTIONS DEPARTMENT  
301 W. MAIN ST  
CARRBORO, NC 27510  
(919) 918-7324

#### JURISDICTION:

TOWN OF CARRBORO  
PLANNING ZONING & INSPECTIONS DEPT.  
(919) 918-7324

### DRAWING INDEX

#### GENERAL

G1 BUILDING CODE APPENDIX B (SHEET 1 OF 2)  
G1A BUILDING CODE APPENDIX B (SHEET 2 OF 2)

#### CIVIL

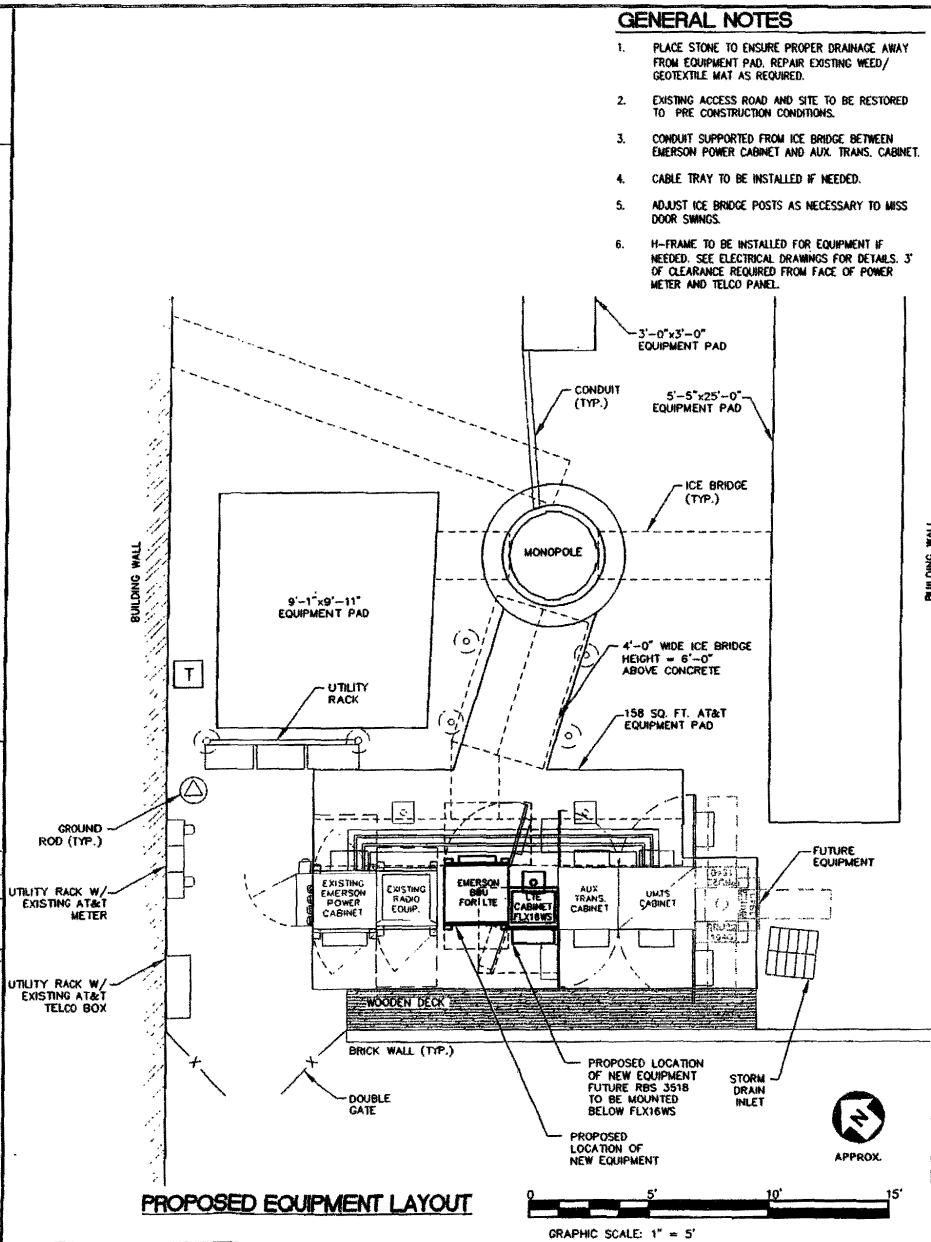
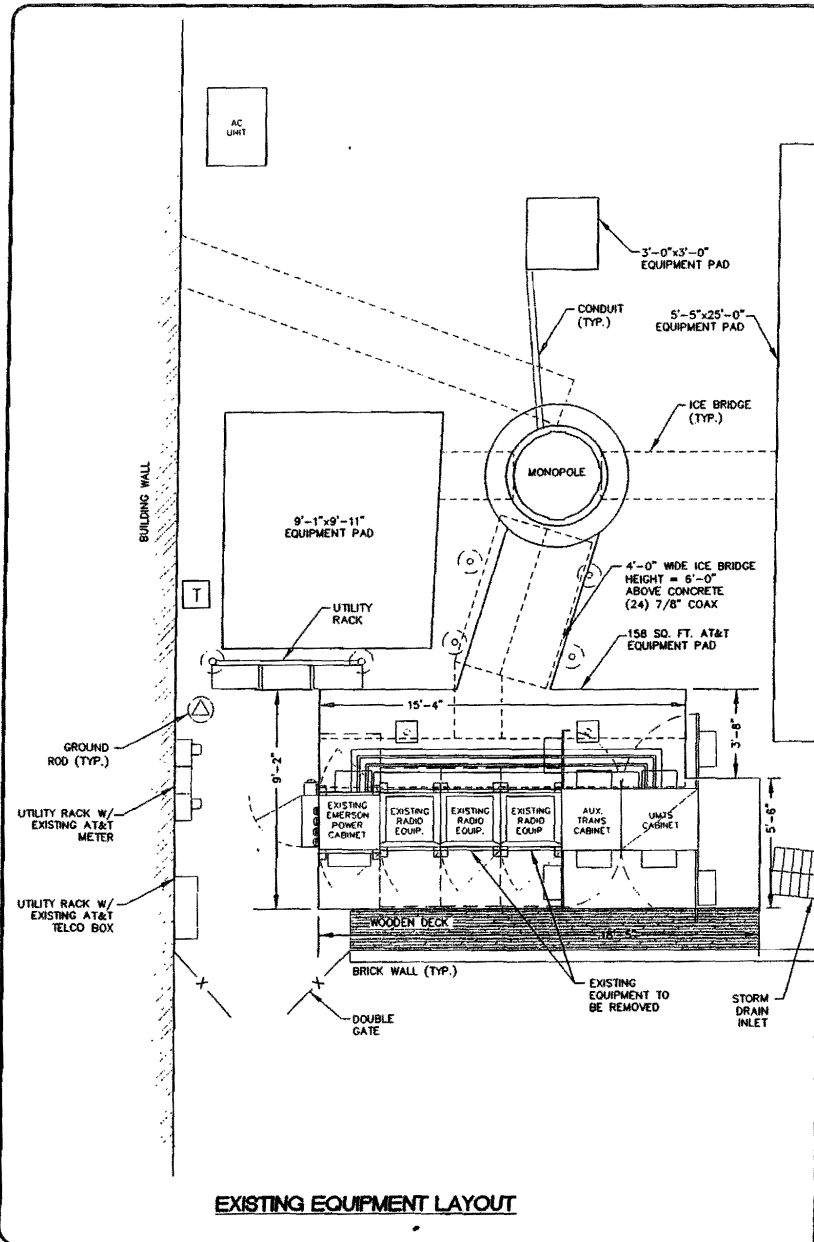
C1 EQUIPMENT LAYOUT PLAN  
C2 TOWER ELEVATION, ANTENNA LAYOUT  
COAXIAL CABLE SCHEDULE AND NOTES

#### ELECTRICAL

E1 GENERAL ELECTRICAL NOTES AND LEGEND  
E2 LTE EQUIPMENT SERVICES ROUTING PLAN  
E3 LTE EQUIPMENT GROUNDING PLAN  
E4 ONE LINE DIAGRAM  
E5 LTE Riser DIAGRAMS  
E6 GROUNDING DETAILS

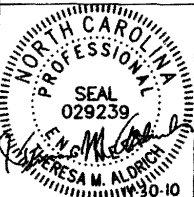


**ENGINEERING, INC.**  
3 Marcus Drive  
Greenville, SC 29615  
Ph. (864) 288-0553  
Fax. (864) 288-0559



### GENERAL NOTES

1. PLACE STONE TO ENSURE PROPER DRAINAGE AWAY FROM EQUIPMENT PAD. REPAIR EXISTING WEED/GEOTEXTILE MAT AS REQUIRED.
2. EXISTING ACCESS ROAD AND SITE TO BE RESTORED TO PRE CONSTRUCTION CONDITIONS.
3. CONDUIT SUPPORTED FROM ICE BRIDGE BETWEEN EMERSON POWER CABINET AND AUX. TRANS. CABINET.
4. CABLE TRAY TO BE INSTALLED IF NEEDED.
5. ADJUST ICE BRIDGE POSTS AS NECESSARY TO MISS DOOR SWINGS.
6. H-FRAME TO BE INSTALLED FOR EQUIPMENT IF NEEDED. SEE ELECTRICAL DRAWINGS FOR DETAILS. 3' OF CLEARANCE REQUIRED FROM FACE OF POWER METER AND TELCO PANEL.

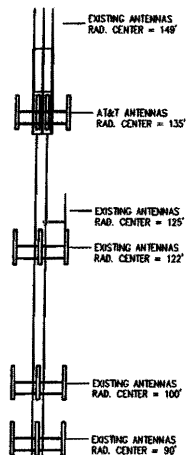


**at&t**  
**PROPOSED EQUIPMENT UPGRADES**  
 368-136  
 301 WEST MAIN STREET  
 CARRBORO, NC 27510  
 WAKE COUNTY  
 NORTH CAROLINA

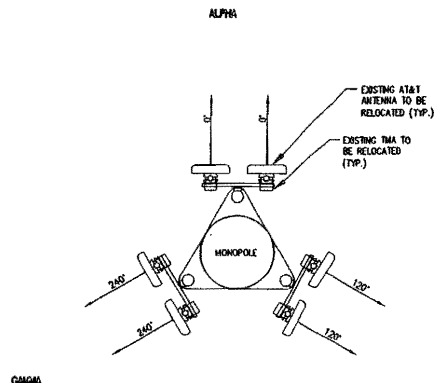
DATE	11/26/10
REVISION	
FILE	
SCALE	

PROJECT NUMBER:  
10077.LTE  
 SHEET CONTENTS:  
**EQUIPMENT LAYOUT PLAN**  
 SHEET NUMBER:  
**C1**

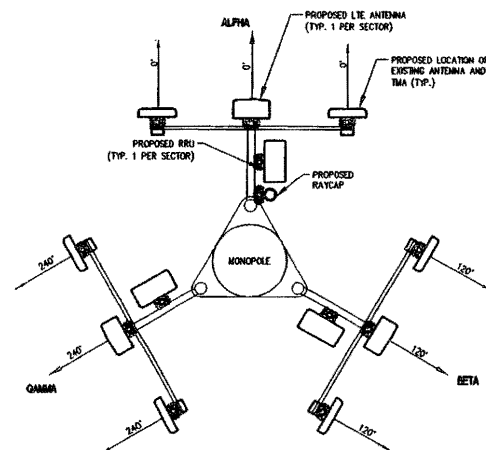
NOTE:  
THE TOWER DRAWING IS ONLY A  
GRAPHIC REPRESENTATION OF THE  
STRUCTURE. THE ACTUAL TOWER IN  
THE FIELD MAY VARY.



1 TOWER ELEVATION  
C2 SCALE: NTS



2 EXISTING ANTENNA ORIENTATION  
C2 SCALE: NTS



3 PROPOSED ANTENNA ORIENTATION  
C2 SCALE: NTS

#### GENERAL NOTES

1. THIS ANTENNA ORIENTATION PLAN IS A SCHEMATIC. THE CONTRACTOR SHALL VERIFY TOWER ORIENTATION AND FIELD COORDINATE REQUIRED ADJUSTMENTS TO ACHIEVE THE DESIRED ANTENNA ACQUISITIONS.
2. ANTENNA CENTERLINE HEIGHT BASED ON TOP OF FOOTING ELEVATION.
3. ALL ANTENNAS, CABLES AND MOUNTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TOWER ENGINEER'S RECOMMENDATIONS IN A MANNER CONSISTENT WITH THE STRUCTURAL ANALYSIS REPORT.
4. ALL ANTENNA BRACKETS PER ANTENNA MANUFACTURER, OR EQUAL CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT WITH AT&T.
5. ALL ANTENNA INFORMATION TO BE CONFORMED WITH AT&T RF DESIGN PRIOR TO INSTALLATION.
6. ALL ANTENNA INFORMATION BASED ON RFDS FOR SITE 368-130 DATED 11/05/10.

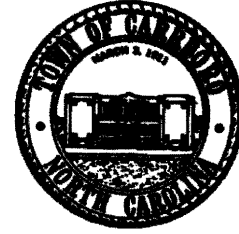
#### ANTENNA AND COAXIAL CABLE SCHEDULE

ANTENNA MARK	SECTOR	DESCRIPTION OF ANTENNA	ANTENNA QTY.	ANTENNA ORIENT.	MAGNETIC ORIENT.	TMA QTY.	RRU QTY.	TECH.	RAD CENTER	COAX CABLE	MECH. DOWNTILT	ELEC. DOWNTILT
A1	ALPHA	KATHREIN 742-352 (PROPOSED/EXISTING)	1	0°	9°	1	0	GSM/UMTS	135'	(4) F' EXISTING	0°	0°
A2	ALPHA	KATHREIN 800-10766	1	0°	9°	0	1	LTE	135'	(1) FIBER (2) DC	0°	5°
A3	ALPHA	KATHREIN 742-352 (PROPOSED/EXISTING)	1	0°	9°	1	0	GSM/UMTS	135'	(4) F' EXISTING	0°	0°
B1	BETA	KATHREIN 742-352 (PROPOSED/EXISTING)	1	120°	129°	1	0	GSM/UMTS	135'	(4) F' EXISTING	0°	0°
B2	BETA	KATHREIN 800-10764	1	120°	129°	0	1	LTE	135'	-	0°	13°
B3	BETA	KATHREIN 742-352 (PROPOSED/EXISTING)	1	120°	129°	1	0	GSM/UMTS	135'	(4) F' EXISTING	0°	0°
G1	GAMMA	KATHREIN 742-352 (PROPOSED/EXISTING)	1	240°	249°	1	0	GSM/UMTS	135'	(4) F' EXISTING	0°	0°
G2	GAMMA	KATHREIN 800-10764	1	240°	249°	0	1	LTE	135'	-	0°	8°
G3	GAMMA	KATHREIN 742-352 (PROPOSED/EXISTING)	1	240°	249°	1	0	GSM/UMTS	135'	(4) F' EXISTING	0°	0°
TOTAL						6	3					

3 ANTENNA AND COAX SCHEDULE  
C2 SCALE: NTS

## TOWN OF CARRBORO

## LAND USE PERMIT APPLICATION



DATE: 2/24/2011

FEE: \$250.00

APPLICANT: RTET		OWNER: Town of Carrboro	
ADDRESS c/o 604 Lanford Street		ADDRESS: 301 West Main Street	
CITY/STATE/ZIP Anderson, SC 29624		CITY/STATE/ZIP Carrboro, NC 27510	
TELEPHONE/FAX: PHONE: (864) 915-1122 FAX: (864) 225-1472		TELEPHONE/FAX: PHONE: (919) 918-7324 FAX:	
LEGAL RELATIONSHIP OF APPLICANT TO PROPERTY OWNER: lessee		TAX MAP(S), BLOCK(S), LOT(S): 9778668579	
PROPERTY ADDRESS: 301 West Main Street		PROPOSED LAND USE & USE CLASSIFICATION: existing cell tower - modification	
PRESENT LAND USE & USE CLASSIFICATION: existing cell tower		LOT AREA: Acres Square Feet	
ZONING DISTRICT(S) AND AREA WITHIN EACH (including Overlay Districts):			
# OF BUILDINGS TO REMAIN		# OF BUILDINGS PROPOSED	
EXISTING GROSS FLOOR AREA OF BUILDING(S) 158 square feet	GROSS FLOOR AREA (of proposed BUILDING / proposed ADDITION) 158 square feet	GROSS AREA (of LAND DISTURBANCE) 0 square feet	

NAME OF PROJECT/DEVELOPMENT: RTET LTE site # 368-130

TYPE OF REQUEST	**INFORMATION REQUESTED (Refer to Attached Key)
SUBDIV. FINAL PLAT / EXEMPT PLAT	1, 18, 19, 21, 23, 31, 33, 34, 37
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, 37
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, 37
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, 37
ZONING PERMIT (Building) Residential Infill & Additions	9, 10, 22, 24, 34, 37 (also see "Building Permit Review - Residences Only" checklist)
SIGN PERMIT	1, 10, 13, 14, 17, 20, 37
VARIANCE	4, 5, 10, 20, 29, 34, 37 Attachment A
APPEAL	4, 5, 37, Attachment B
SPECIAL EXCEPTION	1, 4, 5, 8, 10, 20, 35, Attachment C

APPLICANT: Jony Stewart, Agent for RTET DATE: 2/24/2011

OWNER: DATE: