



**ST. TAMMANY PARISH**  
DEPARTMENT OF PLANNING  
P. O. BOX 628  
COVINGTON, LA 70434  
PHONE: (985) 899-2529  
FAX: (985) 899-3003  
e-mail: [planning@stpgov.org](mailto:planning@stpgov.org)

*Kevin Davis*  
*Parish President*

*Appeal #1*

**THE PETITIONER OR ANY AGGRIEVED PERSON HAS TEN (10) DAYS TO APPEAL THE DECISION OF THE ZONING COMMISSION. APPEALS MUST BE FILED WITH THE ST. TAMMANY PARISH DEPARTMENT OF PLANNING. A COPY OF THE APPEAL REQUEST IS PROVIDED BELOW.**

APPEAL REQUEST

DATE: 2/3/08  
(Reference Case Number)

CP09-01-006  
Cellular Tower

We are hereby appealing to the St. Tammany Parish Council at its next appropriate regular scheduled meeting on the above referenced matter of an adverse decision of the St. Tammany Parish Zoning Commission.

This letter shall serve as official notice to put the above referenced matter on the Parish Council agenda.

Sincerely,

PLEASE PRINT NAME, MAILING ADDRESS AND PHONE NUMBER BELOW  
SIGNATURE

*[Handwritten Signature]*

(SIGNATURE)  
Jeffrey D. Schoen  
P.O. Box 1810  
Covington, LA 70434  
PHONE #: 892 4801

CP09-01-006 - Use: Cellular Tower  
Zoning: C-2 (Highway Commercial) District  
Use Size: 4800 sq.ft.  
Petitioner: Phillip Yee  
Owner: Yee Properties, LLC  
Location: Parcel located on the north side of Gause Blvd., west of Sunset Drive, being 1714 Highway 190 West, Slidell, S4, T9S, R14E, Ward 9, District 11  
Council District: 11

# CONDITIONAL USE PERMIT STAFF REPORT

Meeting Date: February 3, 2009  
Determination: Denied

Date: January 26, 2009

Case NO.: CP09-01-006  
Prior Action: Tabled (02/03/09)

Applicant: Phillip Yee  
Petitioner: Yee Properties, LLC  
Proposed Use: Cellular Tower  
Previous/Current Use: Undeveloped  
Sq. Ft. of Use: 4800 sq. ft.  
Proposed Area Lot Size: 1.3505 Acres  
Zoning Classification: C-2 (Highway Commercial) District  
Location: Parcel located on the north side of Gause Blvd., west of Sunset Drive, being 1714 Highway 190 West, Slidell; S4, T9S, R14E; Ward 9, District 11

## SITE ASSESSMENT

### ACCESS ROAD INFORMATION

Access Type: LA State Highway 190

Road Surface: Asphalt

Condition: Good

### LAND USE CONSIDERATIONS

#### Surrounding Land Use and Zoning:

Direction	Land Use
North	Residential
South	City of Slidell
East	Commercial
West	Commercial

#### Zoning

A-3 (Suburban) District  
City of Slidell  
C-2 (Highway Commercial) District  
C-2 (Highway Commercial) District

Multi occupancy development? No

Existing development? No

### STAFF COMMENTS:

Petitioner is requesting a Conditional Use permit for a 160' monopole Cellular Tower, a 5' antenna and the related equipment, totaling 165' in height. The site is located on the north side of Gause Blvd., west of Sunset Drive, being 1714 Highway 190 West, Slidell. A site and landscaping plan has been provided as required. As shown on the attached map, the proposed cell tower does not meet the minimum Parish setback requirements. Towers must be setback from the property line a distance equal to the height of the tower. Additionally, the proposed 5' landscaping buffer around the base of the tower does not meet Parish requirements of a minimum of 25' next to a residential area.

As required, a written statement has been submitted from a Louisiana registered professional engineer certifying that the tower is in compliance with the applicable standards set forth in the building codes and any other associated regulations. A statement has also been submitted demonstrating that the tower is in compliance with:

- Federal Aviation Administration (FAA) regulations;
- The rules and regulations of other federal or state agencies that may regulate tower siting, design and construction;
- The current radio frequency emissions standards of the Federal Communications Commission (FCC).

Note that the design of the tower will allow for the co-location of up to one other wireless communication provider.

Maps have been provided showing the existing coverage without the tower, and additional coverage to be provided with the proposed tower. According to the coverage map provided, the addition of this tower, provides very minimal additional coverage in the area. As required additional information has been provided concerning the 11 existing towers located within a 2 mile radius of the proposed tower. According to the document submitted, none of the existing towers would be appropriate for co-location because of the proximity to the proposed site or the tower is an existing AT&T site. (See attached document). At this time staff feels that there are no compelling reasons to recommend approval of the requested conditional use permit.

### STAFF RECOMMENDATIONS:

The staff recommends denial of this proposal.

Should the Commission wish to recommend approval, it should be subject to all applicable regulations and the following conditions:

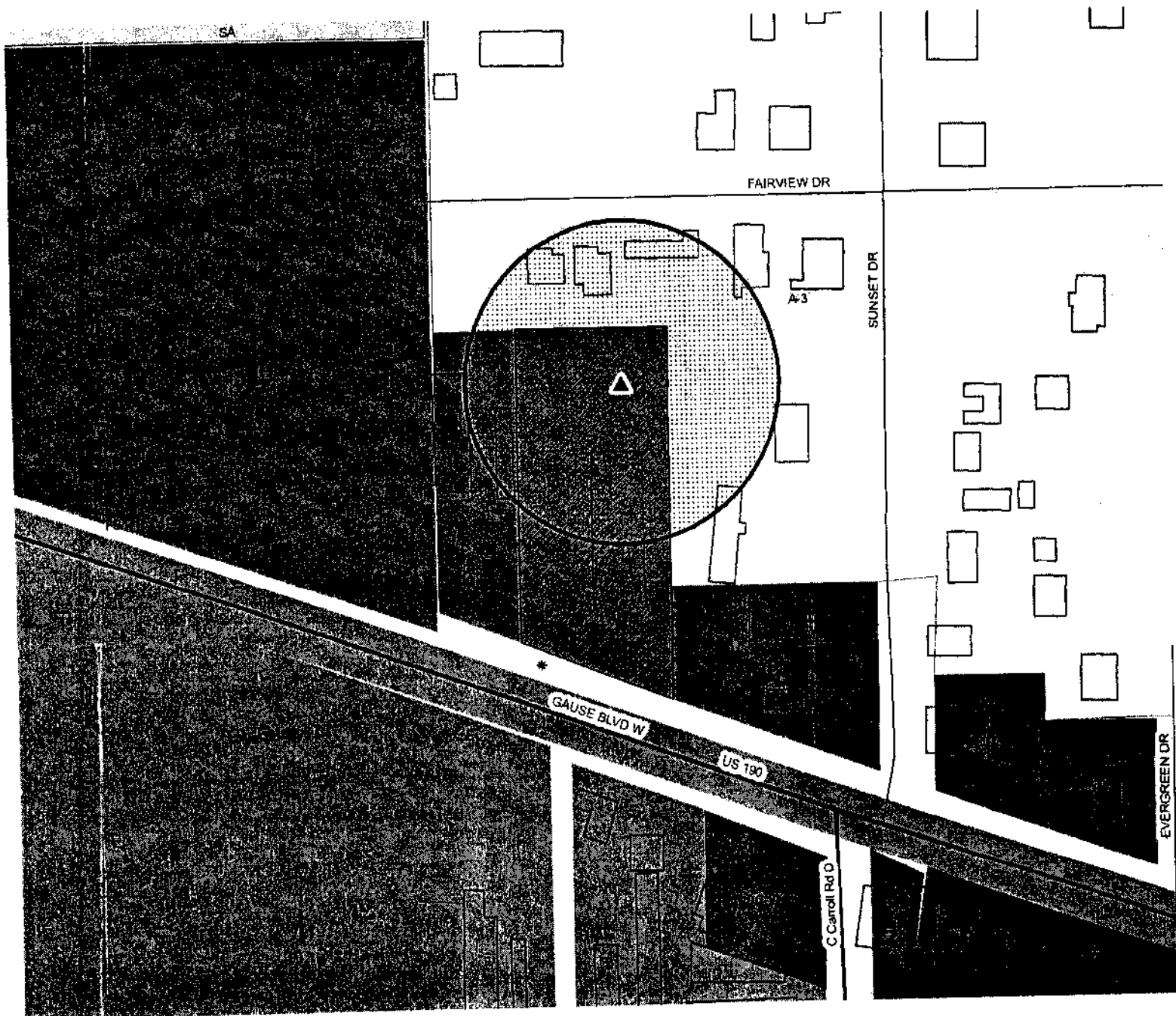
1. Provide a 25' greenspace along the base of the tower and an 8' opaque fence with 1 vine per 10 feet of fence or indicate that the proposed landscaping will consist of a 70% opaque screen of evergreen shrubs. Landscaping plans must also indicate the height of Class "C" trees. Barbed-wire shall not be used.
2. Provide a revised set of plans meeting the required Parish setbacks for a Cell Tower.
3. Evidence of certified letter has been sent to the Mosquito Abatement District, the Fixed Base Operator (FBO) of the Greater St. Tammany Airport, and the FBO of the Slidell Municipal Airport (see attached).
4. Provide at least one red flashing beacon at the top of the structure in such a manner to ensure an unobstructed view of one or more lights by a pilot and two or more steady burning white lights installed at diametrically opposite positions at a height equal to one-half of the total structure height.
5. An emergency response plan must be filed with the Parish Office of Homeland Security and Emergency Preparedness. The plan shall be reviewed every April and updated if necessary. All towers must be outfitted in accordance with the National Fire Protection Association's publication NFPA 110 - Emergency and Standby Power Systems.
6. Obtain all necessary building permits.
7. The tower owner/operator shall be responsible for the maintenance and replacement of all required plant materials.
8. Mobile or immobile equipment not used in direct support of a tower facility shall not be stored or parked on site unless repairs are being made to the tower.
9. No portion of the tower shall be used for advertising.
10. The tower shall be constructed of galvanized metal or metal painted in a color that is harmonious with the surrounding environment.
11. All abandoned or unused tower facilities shall be removed by the tower owner/operator within one-hundred eighty (180) days of the cessation of use.
12. Emergency backup power shall be provided.

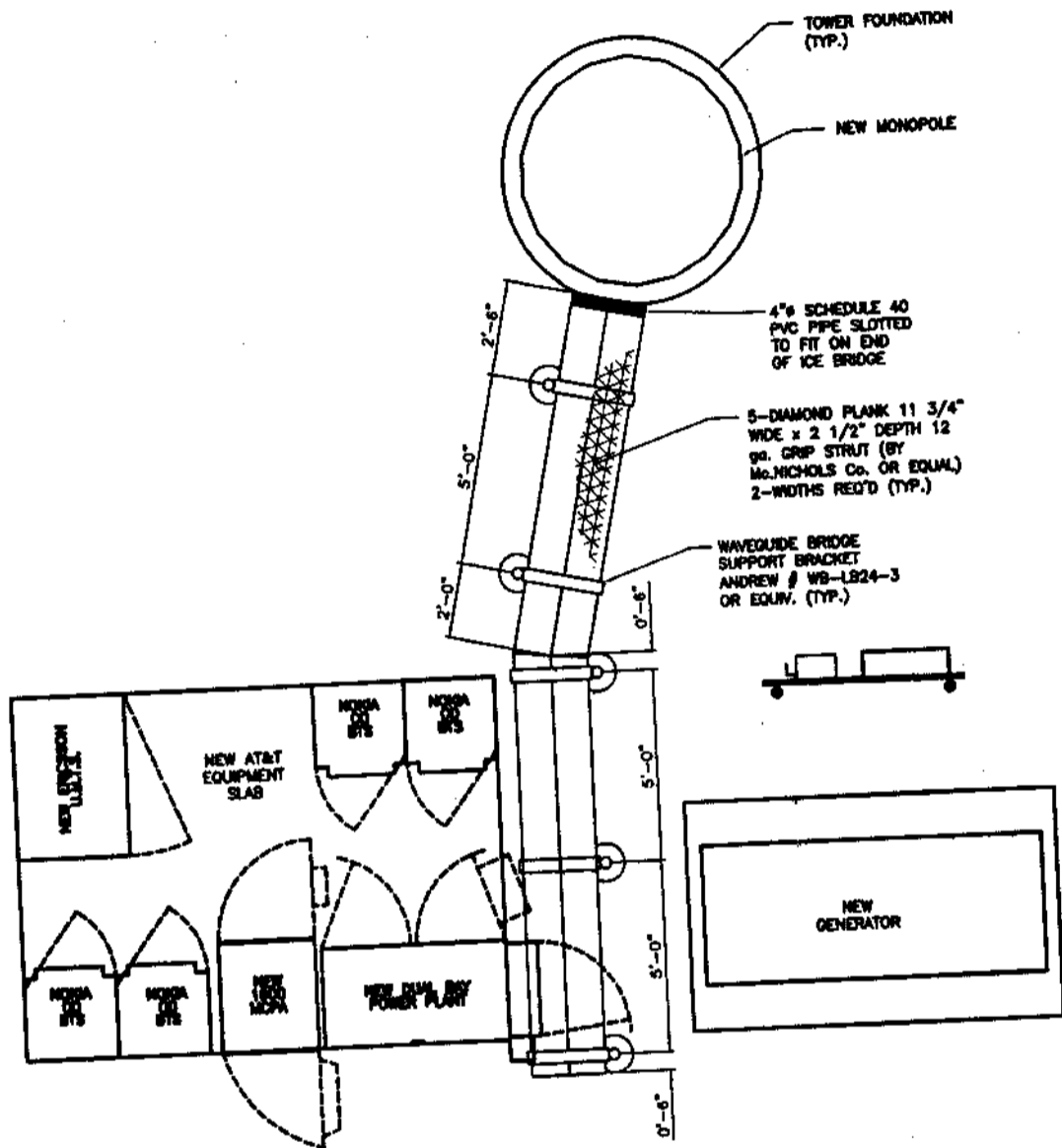
### NOTE TO PETITIONER

There is a 10 day appeals period following the Zoning Commission decision. If the request is approved, permits will not be issued until this 10 day period has elapsed. The petitioner shall have one year to obtain the appropriate building permits or occupy the site from the date of approval of the St. Tammany Parish Zoning Commission, unless otherwise stipulated by the St. Tammany Parish Zoning Commission.

**CASE NO.:**  
**PETITIONER:**  
**OWNER:**  
**PROPOSED USE:**  
**PREVIOUS/CURRENT USE:**  
**SQ. FT. OF USE:**  
**GROSS AREA LOT SIZE:**  
**ZONING CLASSIFICATION:**  
**LOCATION:**

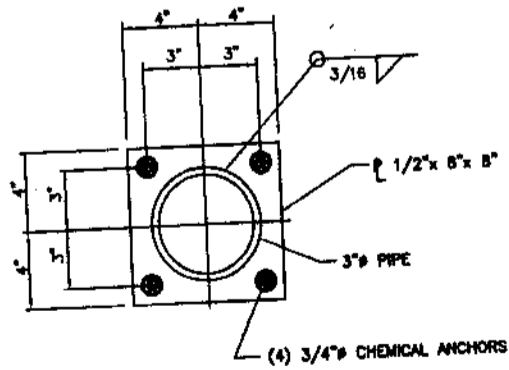
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NOTE:  
 CONTRACTOR TO FIELD VERIFY TOWER  
 FOUNDATION. IF NEEDED, REPLACE W/PL.  
 1/2"x8"x8" BASE PLATE AND (4) 3/4"  
 GROUT ANCHORS (SEE DETAIL 1)

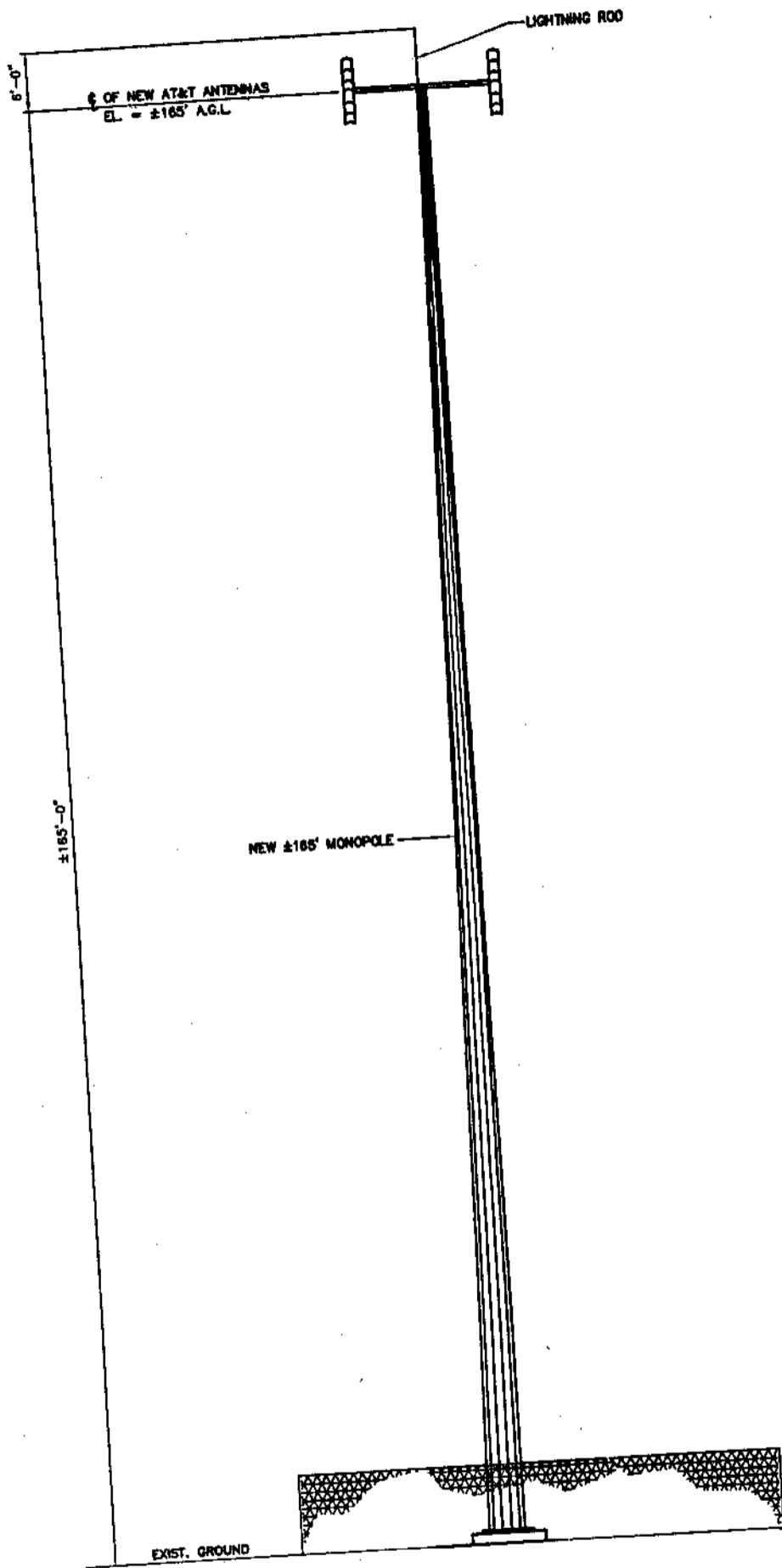
ICE BRIDGE LAYOUT - PLAN VIEW  
 SCALE: 3/16"=1'-0"



DETAIL 1  
 SCALE: NTS

EXIST. GROUND

CP09-01-006



NOTE:  
ALL IMPROVEMENTS NOT SHOWN  
FOR CLARITY.

ELEVATION VIEW  
SCALE: NTS

## GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LVA, OR NEPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TOLCORNIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, FIBER, LIGHTNING PROTECTION, AND AC POWER GESS) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BITS EQUIPMENT.
5. EACH BITS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE EQUIPMENT GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BITS; 2 AWG STRANDED COPPER FOR OUTDOOR BITS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTI-OXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 8 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTORS, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

## ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TOLCORNIA.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TOLCORNIA.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOT(S), GROUNDING, AND T1 CONDUCTOR) AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACORD PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACORD PLASTIC LABELS.
9. ALL THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).

14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.

15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

17. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.

18. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.

19. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.

21. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.

22. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

24. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.

26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE SEE-THRU, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

CP09-01-02



THESE DRAWINGS ARE THE PROPERTY OF THE CONTRACTOR AND SHALL BE KEPT IN THE OFFICE OF THE CONTRACTOR AT ALL TIMES.



NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	
2	ISSUED FOR BIDDING	
3	ISSUED FOR CONSTRUCTION	
4	ISSUED FOR AS-BUILT	
5	ISSUED FOR RECORD	
6	ISSUED FOR ARCHIVE	

2K

WEI

HIGH SLIDE

STAMP

NO.	DATE	CHECKED	DATE
1			
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6			



### SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING HOLES AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBER, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DEPOSED OF LEGALLY.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL REGULATIONS FOR EROSION AND SEDIMENT CONTROL.

### CONCRETE AND REINFORCING STEEL NOTES

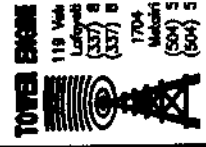
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 338, ASTM A108, ASTM A186, ASTM A188 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPACES SHALL BE CLASS "B" AND ALL HOLES SHALL BE STANDARD, UNL.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  
 CONCRETE CAST AGAINST EARTH: 3 IN.  
 CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:  
 SLAB AND WALL: 3/4 IN.  
 BEAMS AND COLUMNS: 1 1/2 IN.  
 #8 AND SMALLER & W/F: 1 1/2 IN.
5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNL, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY MANUFACTURER OR APPROVED EQUAL.

### RF NOTES

1. ACTUAL LENGTHS SHALL BE DETERMINED PER SITE CONDITION BY SUBCONTRACTOR.
2. THE DESIGN IS BASED ON RF DATA SHEETS, SCHED AND APPROVED.
3. RADIO SIGNAL CABLE AND RACKWAY SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC, NFPA 70), CHAPTER 8.
4. ALL SPECIFIED MATERIAL FOR EACH LOCATION (E.G., OUTDOORS, ROOFS--OCCUPIED, UNOCCUPIED, PLUMBING, RESER SHAFTS, ETC.) SHALL BE APPROVED, LISTED, OR LABELED AS REQUIRED BY THE NEC.
5. RADIO SIGNAL CABLE SHALL BE SUPPORTED AT MINIMUM OF EVERY THREE (3) FEET EXCEPT INSIDE MONOPOLES OR LATTICE TOWERS WHERE CABLE AND CONNECTOR MANUFACTURERS SUPPORT RECOMMENDATIONS SHALL BE FOLLOWED. MANUFACTURER RECOMMENDED CABLE SUPPORT ACCESSORIES SHALL BE USED.
6. THE OUTDOOR CABLE SUPPORT SYSTEM SHALL BE PROVIDED WITH AN ICE SHIELD TO SUPPORT AND PROTECT ANTENNA CABLE RUNS.
7. DRIP LOOPS SHALL BE REQUIRED ON ALL OUTSIDE CABLES. CABLES SHALL BE SLOPED AWAY FROM THE BUILDING OR OUTDOOR BTS CABINETS TO PREVENT WATER FROM ENTERING THROUGH THE COAXIAL CABLE PORT.
8. ALL FEEDER LINE AND JUMPER CONNECTORS FOR COAXIAL GSM SHALL BE CONJUGAL APPROVED 7/16 DIN CABLE CONNECTORS THAT MEET #98 STANDARDS.
9. DELETED
10. 7/16 DIN CONNECTORS REQUIRE NO ADDITIONAL WEATHER PROOFING IN ROOM OR APPLICATIONS IF INSTALLED AND LABELED PROPERLY IN OUTDOOR APPLICATIONS. WEATHER PROOFING IS REQUIRED AND THE FOLLOWING PROCEDURE SHALL BE FOLLOWED:  
 APPLY A "TIGHTEST" WRAP OF ONE LAYER OF 7 MIL THICK VINYL ELECTRICAL TAPE EXTENDING APPROXIMATELY ONE (1) INCH ON EACH SIDE OF THE COAX CABLE CONNECTOR JUNCTURE.  
 USING WEATHERPROOFING KIT APPROVED BY CABLE MANUFACTURER AND CONTRACTOR. START TAPE APPROXIMATELY 5 INCHES FROM THE CONNECTOR AND WRAP 2 INCHES TOWARD THE CONNECTOR, THEN REVERSE THE TAPE SO THAT THE STICKY SIDE IS UP. TAPE OVER THE CONNECTOR OR SURGE ARRESTOR UNTIL THREE (3) TO FOUR (4) INCHES BEYOND THE CONNECTOR AND REVERSE AGAIN WITH THE STICKY SIDE DOWN FOR ANOTHER INCH OR TWO. ADD THE BUTYL RUBBER AND FINISH WITH A FINAL LAYER OF TAPE.
11. DELETED
12. ANTENNAS SHALL BE PAINTED, WHEN REQUIRED, BY THE LANDLORD OR AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH ANTENNA MANUFACTURERS' SURFACE PREPARATION AND PAINTING REQUIREMENTS.
13. CABLE SHIELDS AND TOWER CONDUITS SHALL BE GROUNDED AT THE TOP OF THE TOWER, WITHIN 10 FEET OF THEIR CONNECTORS, AND AT THE BOTTOM OF THE TOWER ABOUT 8 INCHES BEFORE THEY TURN TOWARD THE FACILITY. THEY SHALL BE GROUNDED AT THE MIDPOINT OF TOWERS THAT ARE BETWEEN 100 FEET AND 200 FEET HIGH, AND AT INTERVALS OF 100 FEET OR LESS ON TOWERS THAT ARE HIGHER THAN 200 FEET.
14. APPROVED GROUNDING KITS, WHICH INCLUDE GROUNDING STRAPS, SHALL BE USED TO GROUND THE COAXIAL CABLE SHIELDS AND CONDUITS. THE GROUND CONNECTORS FOR THE KITS AT THE TOP OF THE TOWER, AND IN THE MIDDLE SECTION OF THE TOWER, ARE BOMBED DIRECTLY TO TOWER STEEL USING EXOTHERMIC, BOLTED, OR APPROVED CLAMP CONNECTIONS.
15. ALL RADIO SIGNAL CABLE SHALL BE LABELED PER MARKET REQUIREMENTS
16. DELETED
17. DELETED
18. NEW TOWER'S TO BE INSTALLED AT TOWER TOP, SHALL BE SUPPLIED TO THE SUBCONTRACTOR (WHERE REQUIRED) AND INSTALLED BY THE SUBCONTRACTOR.
19. ANTENNA FEED LINE SYSTEM SWEEP TESTING SHALL BE PERFORMED AND REPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF CONJUGAL-GSM SERVICES PROJECT DOCUMENT NO. 24782-801-3P5-8FT0-0001, REV. A. CONTRACTOR WILL NOT ACCEPT A RADIO SIGNAL CABLE INSTALLATION WITH UNSATISFACTORY SWEEP TEST RESULTS.

### GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
 CONTRACTOR - CHANGAR  
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)  
 OWNER - GENERAL CONTRACTOR  
 GSM - COAXIAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LOCAL ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY AFFECTING THE PERFORMANCE OF THE WORK. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY REGULATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED EQUIPMENT, ON THE DRAWINGS.
6. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE BY THE CONTRACTOR.
7. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
8. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING.
9. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PRELIMENTS, CURBS, GROUNDING CABLES.
10. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
11. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.



NO.	DESCRIPTION	REVISIONS
1	PROBLEM ISSUE	
2	TOWER HEIGHT	
3		
4		
5		
6		
7		
8		
9		
10		
11		

SITE NUB  
**2100-101**  
 SITE NA  
**WEST C**

SITE ADDR  
 HIGHWAY 11  
 SLIDELL  
 MISSISSIPPI  
 JOHN F. F. JACKSON, N. PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING  
 DRAWN BY:  
 CHECKED BY:  
 DATE DRAWING: 06  
 TD JOB NO.:  
 SHEET TITLE:

CP09-01-006

FOR INFORMATION ONLY: THE STATE OF MISSISSIPPI HAS A MONOPOLY ON THE TRANSMISSION OF POWER. ANY TRANSMISSION LINE OR TOWER LOCATED WITHIN THE STATE OF MISSISSIPPI MUST BE CONSIDERED AS A PUBLIC UTILITY AND MUST BE REGULATED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION. ANY TRANSMISSION LINE OR TOWER LOCATED OUTSIDE THE STATE OF MISSISSIPPI MUST BE REGULATED BY THE PUBLIC SERVICE COMMISSION OF THE STATE IN WHICH IT IS LOCATED.

**TOWER ENGINEERS**  
 119 Valerius  
 Lafayette, LA  
 (337) 886-  
 (337) 886-4  
 1704 Jamb  
 Metairie, LA  
 (504) 554-  
 (504) 554-4

NO.	REVISION
	DESCRIPTION BY
	PROBLEM ISSUE NO.
	TOWER HEIGHT BL.

SITE NUMBER  
**2108-100-1**

SITE NAME  
**WEST GA**

SITE ADDRESS  
 HIGHWAY 190  
 SLIDELL, LA

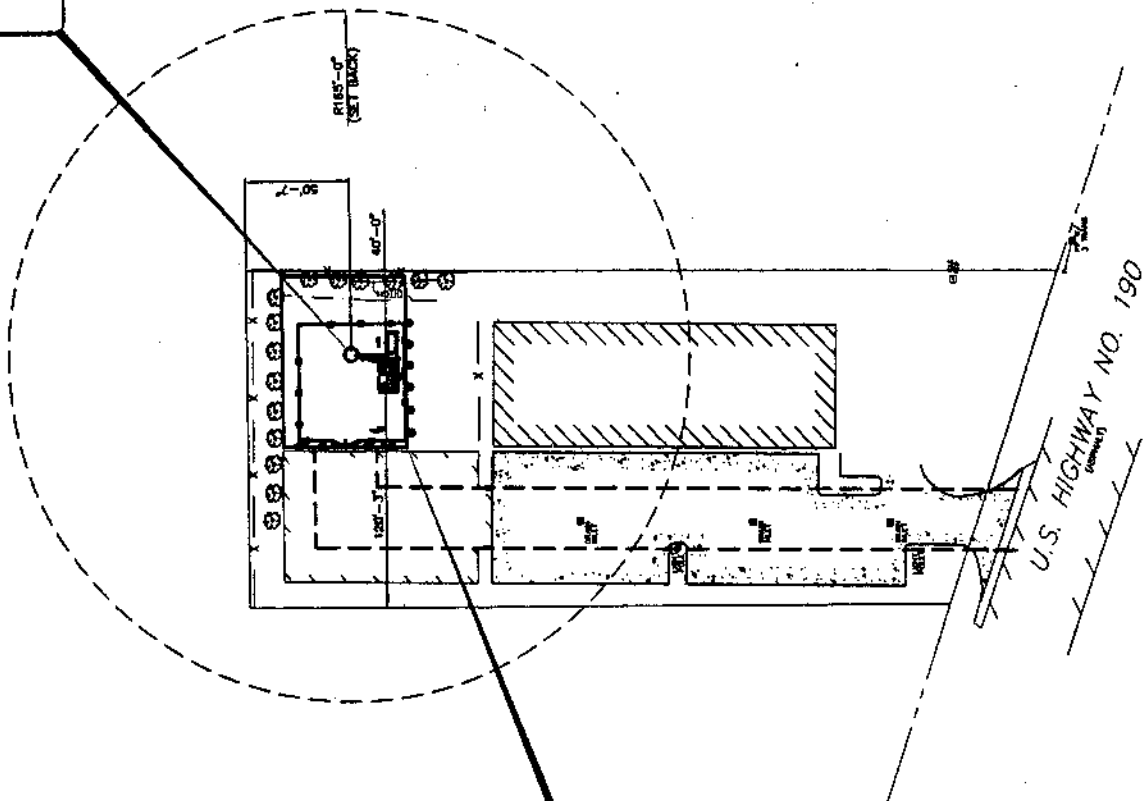
STATE OF LOUISIANA  
 JOHN F. FERRI  
 CREM. No. 3  
 PROFESSIONAL EP  
 IN  
 CIVIL ENGINEERING

DATE DRAWING: 08/14  
 TOWER NO.: 2108-  
 SHEET TITLE:

SITE PLAN  
 SHEET NUMBER:  
**C-1**

CP09-01-006

PROPOSED NEW 165' MONOPOLE  
 LAT: 30° 17' 43.0" N  
 LONG: 89° 47' 59.8" W  
 GROUND EL: 10.1' M.A.S.D.



PROPOSED SITE LEASE AREA  
 (60'x60') AREA=4,800 SQ. FT.  
 OR 0.110 ACRES  
 (SEE SHEET C-2 FOR SITE PLAN)

SITE PLAN  
 SCALE: 1" = 80'-0"





PLEASE PRINT AND/OR INK ACCORDING TO THE SPECIFICATIONS AND THE EXCLUSIVE PROPERTY OF TOWER ENGINEERING, INC. AND ALL RIGHTS RESERVED. ANY REPRODUCTION OR PUBLICATION WITHOUT THE WRITTEN PERMISSION OF TOWER ENGINEERING, INC. IS STRICTLY PROHIBITED.

**TOWER ENGINEERING**

119 Veterans  
Lafayette, LA  
(504) 882-7111

1704 Justice  
Metairie, LA  
(504) 556-6161

REVISION

NO.	DESCRIPTION BY
1	PRELIM LAYOUT
2	TOWER HEIGHT
3	
4	
5	
6	
7	
8	
9	

SITE NUMBER  
**2108-100-1**

SITE NAME:  
**WEST GA**

**WEST GA**

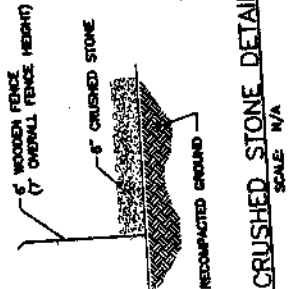
SITE ADDRESS  
HIGHWAY 190  
SLIDELL, LA 71279



JOHN F. FEIST  
LICENSE NO. 10848  
PROFESSIONAL ENGINEER  
STATE OF LOUISIANA

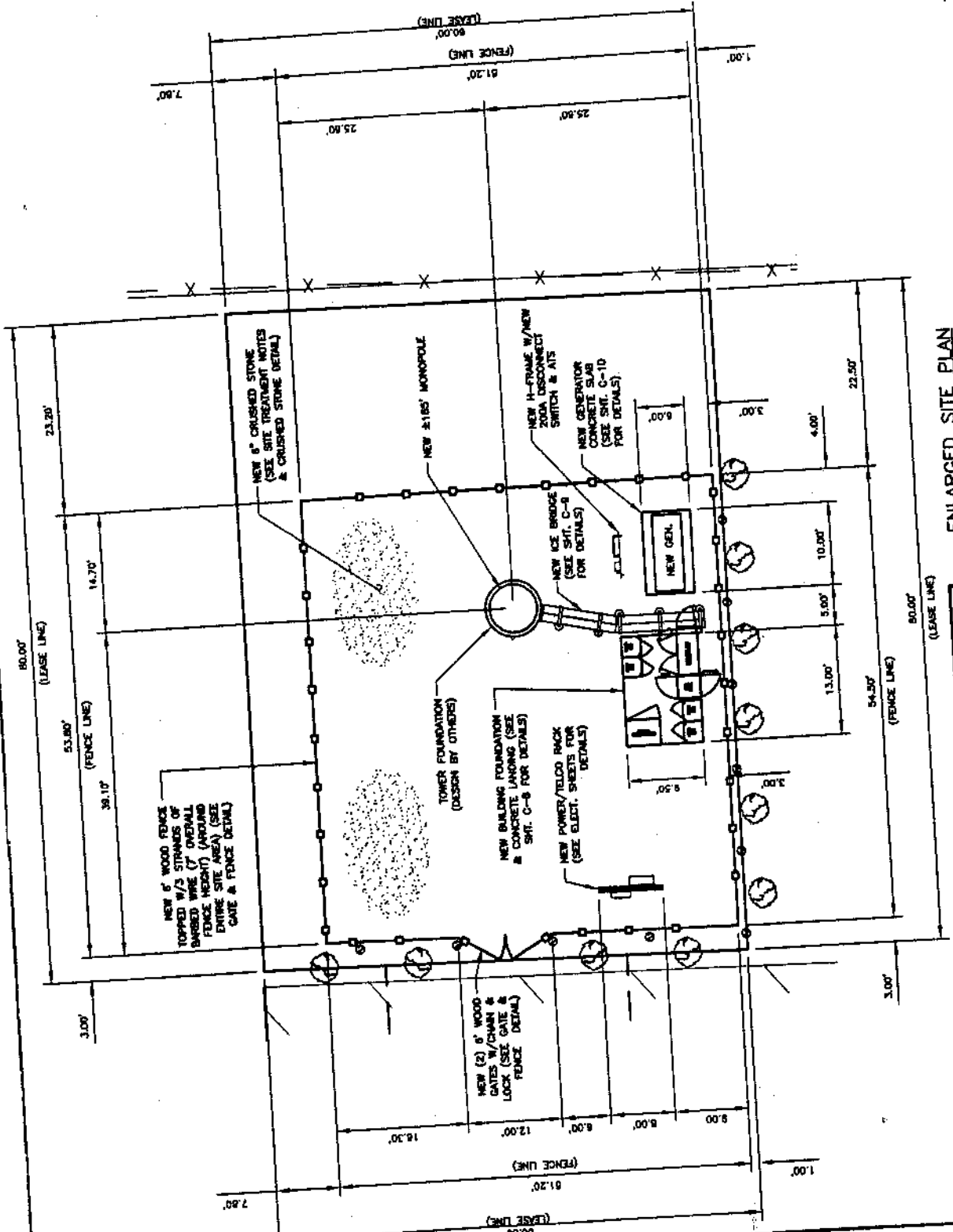
DESIGNED BY:	DM
CHECKED BY:	DM
DATE DRAWN:	08
FIG. JOB NO.:	21
SHEET TITLE:	

CPC9-01-006

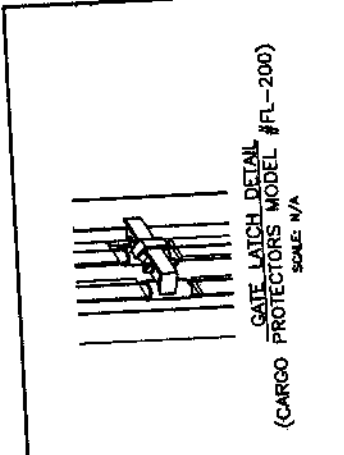
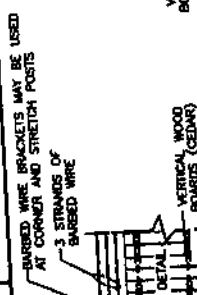
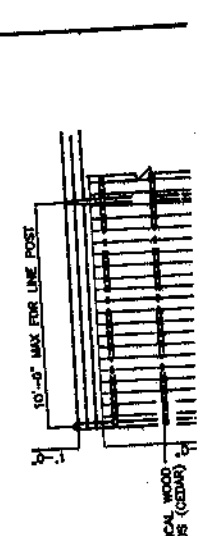


**CRUSHED STONE DETAIL**  
SCALE: N/A

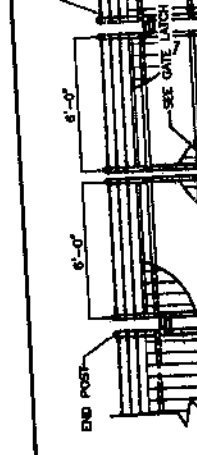
SITE TREATMENT NOTES



**ENLARGED SITE PLAN**  
SCALE: 1/16" = 1'-0"



**GATE LATCH DETAIL**  
(CARGO PROTECTORS MODEL #FL-200)  
SCALE: N/A



**END POST DETAIL**  
SCALE: N/A

CPO9-01-006

TOPOGRAPHIC SURVEY OF  
NOL-WEST GAUSE TOWER SITE  
SLIDELL, LOUISIANA  
SECTION 4, T9S-R14E  
ST. TAMMANY PARISH, LOUISIANA

DATE: 07/21/08 DRAWN BY: DMS JOB NO.: DRAWING NO. 1  
SCALE: 1" = 50' CHECKED BY: DMS 08-0597

TURNER SURVEYS, LLC  
15732 E. HUEPACH ROAD  
POUNCHAUBOEA, LA 70454  
Phone: (885)398-2358  
turnersurveys@turnersurveys.com

DENNIS L. GOWIN, P.L.S., LA. REG. NO. 48446  
REGISTERED PROFESSIONAL LAND SURVEYOR

GRAPHIC SCALE  
( IN FEET )  
1 INCH = 50 FEET

DATE	PREPARED BY	DESCRIPTION	REVISED
07-31-08	DMS		

REVISIONS

TOWER SITE ADDRESS: NEAR 1714 HONEY LAKE ROAD (WEST GAUSE BOULEVARD), SLIDELL, LA 70460

**GENERAL NOTES**

THE LOCATIONS OF UNIMPROVED AND OTHER UNRECORDED UTILITIES SHOWN ARE BASED ON THE RECORD DRAWINGS AND FIELD NOTES SUBMITTED BY THE APPLICANT. TURNER SURVEYS, LLC, HAS CONDUCTED VISUAL SURVEYS AND AVAILABLE TO US BY THE APPLICANT'S CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES AND UTILITIES SHOWN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE AND BELIEF. EACH PROPERTY OWNER SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND UTILITIES PRIOR TO ANY REPAIRS OR INSTALLATION OF SUCH UTILITIES. SPECIAL SERVICES, INCLUDING PERMISSION TO EXCAVATE, ARE REQUIRED.

ALL ELEVATIONS SHOWN REFER TO NORTH AMERICAN VERTICAL DATUM (N.A.V.D.).  
 81. - BENCH MARK; D.L. - DEPRESSION;  
 REFERENCE BENCH MARKS - 1985, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 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at&t

CP09-01-006

AT&T Mobility  
1000 N. Causeway Blvd  
Suite 1150  
Metairie, LA 70002

January 5, 2008

St. Tammany Parish Planning Department  
21490 Koop Drive  
Covington, Louisiana 70471

Re: Proposed Telecommunications Tower

To Whom It May Concern,

AT&T Wireless is making application for a conditional use to construct a new telecommunications tower with associated equipment on property owned by Yee Properties, LLC at 1714 Highway 190 West in Slidell, Louisiana.

As a Federal Communications Commission (FCC) license holder, AT&T Wireless is required contractually and by law to ensure that the system, including all antennas and associated equipment, conforms to all FCC standards, including those related to radio frequency radiation emissions and interference. As such, the design, construction and placement of the proposed tower will not interfere with any public safety communications or the usual and customary transmission or reception of radio and television service enjoyed by adjacent properties.

Under the auspices of the Federal Aviation Administration (FAA) the federal government provides jurisdictional oversight of any proposed structures planned for areas in proximity to existing airports. AT&T Wireless is bound by federal law to comply with FAA regulations concerning telecommunications structures in proximity of existing airports. As such, the height of the proposed tower has been designed to adhere to any and all applicable FAA guidelines and regulations.

The design of the proposed tower allows for the co-location of up to one other wireless communications provider. AT&T Wireless works closely with other wireless communications providers in offering its sites for co-location at fair, reasonable and non-discriminatory terms.

Also, this site has been designed to comply with all other applicable federal and state rules and regulations in regards to tower siting, design and construction.

Sincerely,

Karen Roth  
Manager, Construction and Real Estate

CP09-01-006



AT&T Mobility  
3000 N. Causeway Blvd  
Suite 1150  
Metairie, LA 70002

The proposed new telecommunications tower at 1714 Highway 190 West will fill in a poor coverage area AT&T Wireless has in the vicinity of Highway 190 West and Carroll Road. The proposed new site is in the center of five existing AT&T sites.

One of the existing twin Pinnacle 550' guyed towers on Sloat Road (south of proposed site) is an existing AT&T site and therefore neither tower is a valid candidate for the new site.

The BST 325' self-support tower on Cousin Street (southeast of proposed site) is too near AT&T's existing site on the above detailed Pinnacle tower to be a valid candidate for the new site.

The ATC 155' monopole on Bayou Lane (southeast of proposed site) is not a valid candidate for the new site because it is too near AT&T's existing site on the Robert Road water tank detailed below.

AT&T has an existing site on the Robert Road water tank (east of proposed site). Therefore, this water tank is not a valid candidate for the proposed new site.

The Crown 185' self-support tower on Browns Village Road (northeast of proposed site) is an existing AT&T site and as such is not a valid candidate for the new site.

The Pinnacle 195' guyed tower (north of proposed site) is too far north to provide the desired coverage improvement in between AT&T's surrounding existing sites detailed herein.

The Crown 145' monopole on Perimeter Road (northwest of proposed site) is an existing AT&T site and as such is not a valid candidate for the new site.

The Verizon 140' monopole on Grantham College Road (northwest of proposed site) is not a valid candidate for the new site because it is too near AT&T's existing site on the Crown monopole detailed above.

The Spectrasite 135' monopole on Camp Villere Road (northwest of proposed site) is not a valid candidate for the new site because it is too near AT&T's existing site on the Crown monopole detailed below.

The Crown 155' monopole on Highway 190 West (west of proposed site) is an existing AT&T site and as such is not a valid candidate for the new site.

CP09-01-006



AT&T Mobility  
1100 La. Causeway Blvd  
Suite 1150  
Metairie, LA 70002

January 6, 2009

St. Tammany Regional Airport  
Attn: James Smith  
Post Office Box 628  
Covington, Louisiana 70434

Re: Proposed AT&T Wireless Tower

To Whom It May Concern:

AT&T Wireless is applying for a permit to construct a 165' telecommunications tower to be located at 30° 17' 43" north latitude and 089° 47' 59.8" west longitude.

If you should require any further information, please contact Woody Krog at 504.482.9663.

Sincerely,

Karen Roth  
Manager, Construction and Real Estate

7007 0710 0004 6287 7488

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PS Form 3800 August 2005 See Reverse for Instructions

CP09-01-006



AT&T Mobility  
1900 Northway Blvd  
Suite 1100  
Metairie, LA 70002

January 6, 2009

Slidell Municipal Airport  
Office of the Manager  
62512 Airport Road  
Slidell, Louisiana 70460

Re: Proposed AT&T Wireless Tower

To Whom It May Concern:

AT&T Wireless is applying for a permit to construct a 165' telecommunications tower to be located at 30° 17' 43" north latitude and 089° 47' 59.8" west longitude.

If you should require any further information, please contact Woody Krog at 504.482.9663.

Sincerely,

Karen Roth  
Manager, Construction and Real Estate

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CP09-01-006



AT&T Mobility  
1030 N. Causeway Blvd  
Suite 1150  
Metairie, LA 70002

January 6, 2009

St. Tammany Parish Mosquito Abatement District  
2800 Terrace Avenue  
Slidell, Louisiana 70458

Re: Proposed AT&T Wireless Tower

To Whom It May Concern:

AT&T Wireless is applying for a permit to construct a 165' telecommunications tower to be located at 30° 17' 43" north latitude and 089° 47' 59.8" west longitude.

If you should require any further information, please contact Woody Krog at 504.482.9663.

Sincerely,

Karen Roth  
Manager, Construction and Real Estate

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 Street, Apt. No.,  
 or PO Box No. 2800 Terrace Ave.  
 City, State, ZIP+4 Slidell, LA 70458

PS Form 3800 August 2008

CP09-01-006



A Division of Sabre Industries, Inc.

January 28, 2009

**St. Tammany Parish Planning & Zoning Department**

Ref: Proposed 160 ft CellXion Monopole for West Gause site, 1714 West Gause/Highway 190 West, Slidell, LA 70460

To whom it may concern:

The proposed CellXion monopole will be designed for a Basic Wind Speed of 125 mph (no ice), 30 mph (0.25" ice) Structure Class II, Exposure Category C, and Topographic Category 1 in accordance with the Telecommunications Industry Association Standard ANSI/TIA-222-G-2005, "Structural Standard for Antenna Supporting Structures and Antennas".

When designed according to these standards, the wind pressures and steel strength capacities include several safety factors, resulting in an overall minimum safety factor of 25%. Therefore, it is highly unlikely that the monopole will fail structurally in a wind event where the design wind speed is exceeded within the range of the built-in safety factors.

Should the wind speed increase beyond the capacity of the built-in safety factors, to the point of failure of one or more structural elements, the most likely location of the failure would be within one of the monopole shaft sections. This would result in a buckling failure mode, where the steel shaft would bend beyond its elastic limit (beyond the point where the shaft would return to its original shape upon removal of the wind load).

Therefore, it is likely that the overall effect of an extreme wind event would be localized buckling of the monopole shaft. Assuming that the wind pressure profile is similar to that used to design the monopole, the shaft will buckle at the location of the highest combined stress ratio in the upper portion of the monopole. This is likely to result in the portion of the monopole above "folding over" onto the portion below. **Please note that this letter only applies to a monopole designed and manufactured by CellXion.** In the unlikely event of total separation, this, in turn, would result in collapse of that section to the ground within a radius of 45 ft, or within the property lines of the parent tract.

Please let me know if you have any questions or require additional information.

Sincerely,

*Stephen Yeo*  
1/28/09

Stephen Yeo, P.E.  
Vice President, Development





CP09-01-006

AT&T MOBILITY  
COLLOCATION STUDY FOR PROPOSED

# WEST GAUSE CELL SITE

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IN PARTIAL FULFILLMENT OF APPLICATION  
REQUIREMENTS FOR  
THE CITY OF SLIDELL, LOUISIANA.

PREPARED BY:  
JAMES RANDALL THOMAS, P.E.  
MANAGER OF RF ENGINEERING  
AT&T MOBILITY  
100 CONCOURSE PARKWAY, SUITE 375  
BIRMINGHAM, AL 35244  
(205) 213-0050

CP09-01-006

COLLOCATION STUDY FOR PROPOSED  
WEST GAUSE CELL SITE

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PURPOSE

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The purpose of this study is to determine if the proposed construction of the West Gause cell site could be avoided by collocation on an existing tower or alternative site of a building or other structure.

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EVALUATION OF EXISTING TOWERS AND REQUIRED HEIGHT

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The proposed West Gause cell site is an infill site that will provide a dominant serving signal near the intersection of US Highway 190 West and Carroll Road in Slidell. The proposed new site is in the center of five existing AT&T sites but there is no single dominant server to provide high-quality in-car and in-building service to the homes, offices and retail stores in the area. The system design and engineering requirements of the proposed site are to provide better voice quality and to reduce interference in the area. This is accomplished by providing coverage from one cell site at a strong signal level rather than several cell sites all at weak signal levels. In order to accomplish the coverage objective, the site location was limited to an area centered on US Highway 190 and Carroll Road in Slidell.

For this study, a search was conducted for structures within 2 miles of the proposed site however any structure greater than 1/4 mile from the proposed location would not be acceptable. Eleven structures were identified and inventoried within the two-mile study radius and five of those sites are existing AT&T locations already.

**Structures 1 & 2:** One of the existing twin Pinnacle 550' guyed towers on Sloat Road (south of proposed site) is an existing AT&T site and therefore neither tower is a valid candidate for the new site.

**Structure 3:** The BST 325' self-support tower on Cousin Street (southeast of proposed site) is too near AT&T's existing site on the above detailed Pinnacle tower to be a valid candidate for the new site.

**Structure 4:** The ATC 155' monopole on Bayou Lane (southeast of proposed site) is not a valid candidate for the new site because it is too near AT&T's existing site on the Robert Road water tank detailed below.

**Structure 5:** AT&T has an existing site on the Robert Road water tank (east of proposed site). Therefore, this water tank is not a valid candidate for the proposed new site.

**Structure 6:** The Crown 185' self-support tower on Browns Village Road (northeast of proposed site) is an existing AT&T site and as such is not a valid candidate for the new site.

**Structure 7:** The Pinnacle 195' guyed tower (north of proposed site) is too far north to provide the desired coverage improvement in between AT&T's surrounding existing sites detailed herein.

**Structure 8:** The Crown 145' monopole on Perimeter Road (northwest of proposed site) is an existing AT&T site and as such is not a valid candidate for the new site.

**Structure 9:** The Verizon 140' monopole on Grantham College Road (northwest of proposed site) is not a valid candidate for the new site because it is too near AT&T's existing site on the Crown monopole detailed above.

**Structure 10:** The Spectrasite 135' monopole on Camp Villere Road (northwest of proposed site) is not a valid candidate for the new site because it is too near AT&T's existing site on the Crown monopole detailed below.

**Structure 11:** The Crown 155' monopole on Highway 190 West (west of proposed site) is an existing AT&T site and as such is not a valid candidate for the new site.

CP09-01-006

There are no existing candidates located within the search area of the proposed site. The chosen West Gause candidate significantly meets the coverage objective by providing dominant coverage in the area without creating interference in other areas.

For this site, a height of 165' Above Ground Level (AGL) is specified to provide coverage compatible with the surrounding sites. The five closest sites to this proposed site are at 113', 183', 143', 233', and 120' AGL. For this site to provide an equivalent level of coverage, the height required is 165' AGL.

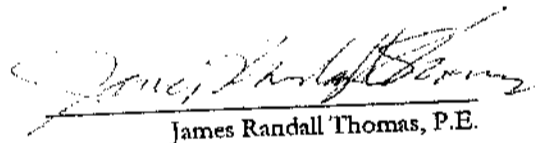
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#### CONCLUSION AND CERTIFICATION

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Based on this analysis, the system design and engineering requirements of the proposed antennas and equipment for the AT&T Mobility West Gause cell site can not be accommodated on any existing tower or alternative site (building or structure) within the study radius. Furthermore, this site is required to provide a dominant server and meet the coverage objective by improving coverage and reducing interference.

I, James Randall Thomas, a licensed Professional Engineer certify that this report is true and correct to the best of my knowledge with all available information considered.

  
James Randall Thomas, P.E.

Date: 1/26/09