



SHEILA N. ROSE
DEPARTMENT DIRECTOR

April 10, 2014

Brian Plewinski
4101 Ravenswood Road
Ste. 201
Ft. Lauderdale, FL 33312

**RE: Crown 851864 AT&T CCCN (F138) Project 3C Administrative Approval
7650 Lyons Road
Coconut Creek, FL 33073
Application PZ-14030004**

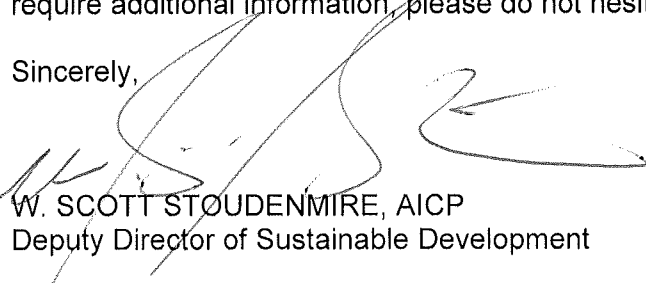
Dear Mr. Plewinski:

Your application dated March 24, 2014 requesting Administrative Approval for the above referenced project, has been approved. Specifically, this approval includes the following component:

- Replace antennas and related equipment on tower and cable bridge only

Enclosed is a set of approved plans with conditions. You may proceed with securing the necessary building permits for this modification. Meanwhile, should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,



W. SCOTT STOUDENMIRE, AICP
Deputy Director of Sustainable Development

WSS:jw

S:\Data\Development Services\Common\Documents\PLANNING & ZONING\Project Coordinator\Admin approval letters\14051
Crown851864AT&T Telecom AA appr.docx

Enc

cc: Sue Schmitt, Building Supervisor

State of Florida
Telecommunications Site Review
Equipment Modifications



Consultants, Inc.
7050 Palmetto Park Road #15-652
Boca Raton, Florida 33433
Tel: 877.438-2851 Fax: 877.220-4593

April 9, 2014

Mr. W. Scott Stoudenmire
City of Coconut Creek
Planning and Zoning Manager
4800 West Copans Road
Coconut Creek, Florida 33063

RE: AT&T Mobility CCCN
4277 NW 74th Street

Dear Mr. Stoudenmire,

At your request on behalf of City of Coconut Creek in Broward County Florida, CityScape Consultants, in its capacity as telecommunications consultant for the City, has considered the merits of an application provided by AT&T Mobility ("AT&T"), to make modifications and add new equipment to an existing monopole type self supporting tower. The Tower has a total elevation of ninety seven (97) feet, and the subject antennas are mounted with a radiation center of eighty-eight (88) feet, see *figure 1*. AT&T plans changes within the existing ground mounted equipment shelter, the feed lines and the antennas. AT&T is making similar changes nationwide. The Applicant intends to add new base station electronic equipment. The tower is owned by Crown Castle International and the underlining ground space is owned by North Broward Prep School, Ltd. AT&T refers to this as site CCCN and is physically located at 4277 NW 74th Street in Coconut Creek, see *figure 2*.

AT&T, like all wireless service providers, is upgrading service to the next level wireless advances and adding new technologies throughout the United States. This application is to upgrade their existing facility, they will gain no substantial increase in the service area but this modification makes it possible for AT&T to bring the fourth generation of wireless service into Coconut Creek. There is no construction or tower improvements needed to accomplish this task. AT&T will be replacing all nine (9) existing antennas and relocating three (3) remote radio heads plus adding three (3) additional. The total antenna elements will remain as nine (9); RRH's at six (6). The Applicant proposes to add six (6) additional power and fiber optic cables for a total of twenty-one (21) full cables and six (6) reduced size with three (3) top mounted amplifiers, see *figure 3*. Currently on the tower in addition to AT&T are T-Mobile and Clearwire broadband.

Specifically, the undersigned has evaluated AT&T's proposal from the following perspectives; The Federal standards, the state of Florida and City of Coconut Creek Ordinance Codes.

Telecommunications Site Review
Florida Equipment Modification

All designs and plans for the proposed new facilities were developed according to accepted practices of RF propagation engineering and the persons completing all work are sufficiently qualified within their disciplines.

Figure 4 is an engineering structural analysis statement confirming the tower is sufficiently designed and constructed to support all existing equipment and the proposed changes. The new tower rating will be 39.7% out of an allowable 105%.


The Applicant supplied a letter of compliance with all FCC standards regarding human exposure to Radio Frequency energy, and a statement of compliance with concerns regarding RF interference with other radio services, see *figure 5*.

Previous collocation and upgrade applications for this facility have had conflicting tower elevation levels. This is the first application that both the construction drawings and the structural analysis have the tower as one hundred (100) feet. The structural drawings show nine (9) feed lines mounted outside the monopole structure. The locations of these lines are in the vicinity of AT&T. In previous AT&T mobility applications at this site the instructions stated all feed line to be installed inside the monopole structure. There is no way to tell when this was done. The feed line installation is shown in *figure 6*.

In consideration that this application does not require any changes in the physical size of the ground compound and does not change the height or width of the tower the application is considered a collocation or upgrade. Under State of Florida statutes this application is afforded the streamlined status and staff level disposition.

CityScape recommends this application be approved with the condition that the proposed cables shall be installed within the monopole tower.

Respectfully submitted,



Richard L. Edwards
FCC Licensed
PCIA Certified
CityScape Consultants, Inc.

Telecommunications Site Review
 Florida Equipment Modification

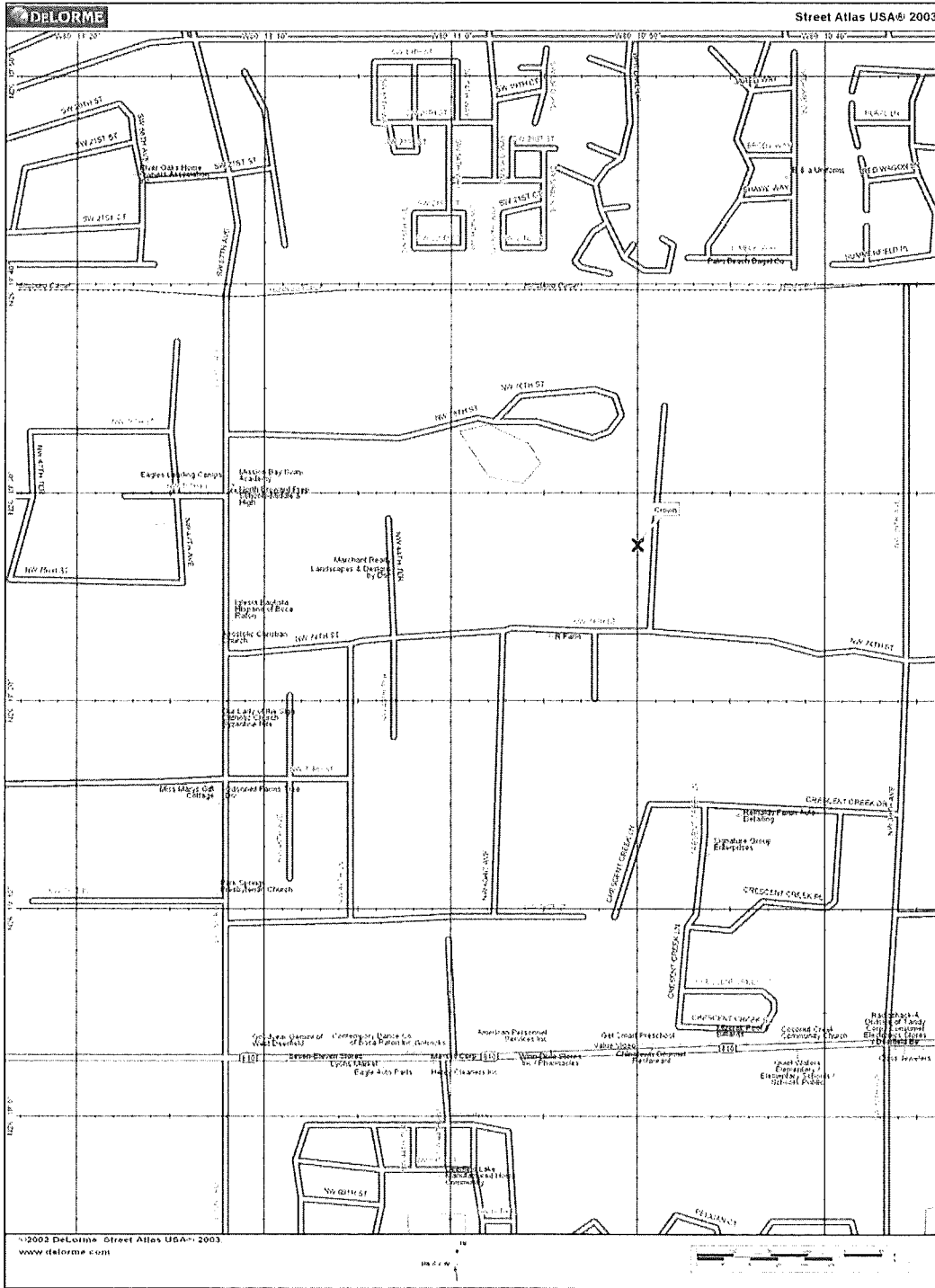


Figure 2. Site Location

Telecommunications Site Review
Florida Equipment Modification

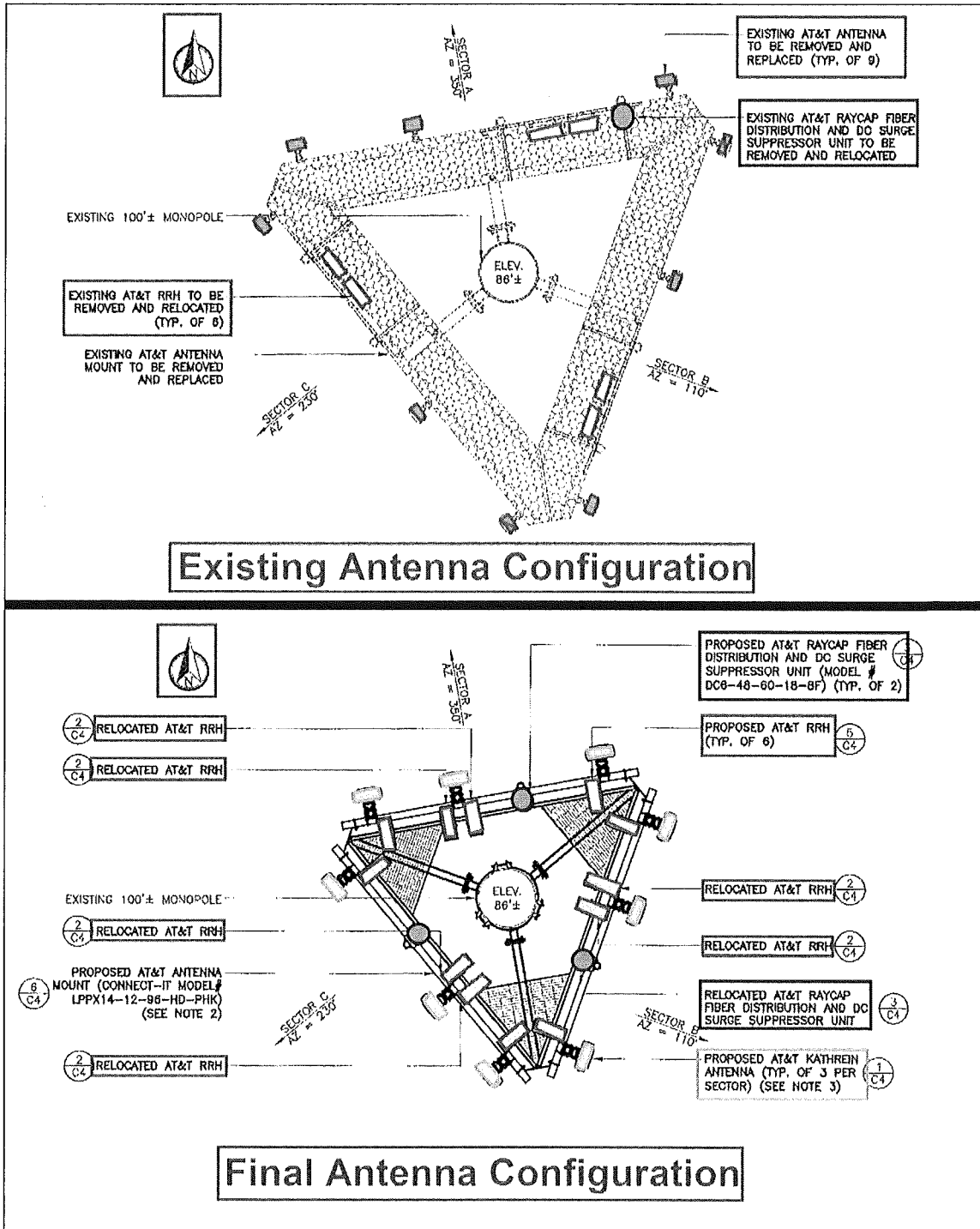


Figure 3. Antenna Configuration

Telecommunications Site Review
Florida Equipment Modification


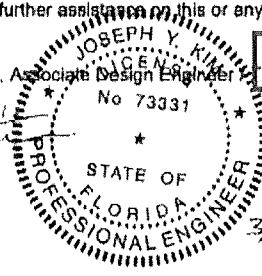
Date: January 11, 2014		
Jeremy Henson Crown Castle 12725 Morris Road Extension, Suite 400 Alpharetta, GA 30004	Crown Castle 2000 Corporate Dr. Canonsburg, PA 15317 (724) 416-2000	
Subject: Structural Analysis Report		
Carrier Designation:	AT&T Mobility Co-Locate	
	Carrier Site Number:	10023512
	Carrier Site Name:	CCCN
Crown Castle Designation:	Crown Castle BU Number:	851864
	Crown Castle Site Name:	CCCN
	Crown Castle JDE Job Number:	254867
	Crown Castle Work Order Number:	698143
	Crown Castle Application Number:	209953 Rev. 1
Engineering Firm Designation:	Crown Castle Project Number:	698143
Site Data:	7650 LYONS ROAD, Coconut Creek, Broward County, FL Latitude 26° 19' 27.31", Longitude -80° 10' 50.83" 100 Foot - Monopole Tower	
Dear Jeremy Henson,		
Crown Castle is pleased to submit this "Structural Analysis Report" to determine the structural integrity of the above mentioned tower. This analysis has been performed in accordance with the Crown Castle Structural 'Statement of Work' and the terms of Crown Castle Purchase Order Number 698143, in accordance with application 209953, revision 1.		
The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:		
LC7: Existing + Reserved + Proposed Equipment	Sufficient Capacity	
Note: See Table I and Table II for the proposed and existing/reserved loading, respectively.		
This analysis has been performed in accordance with the 2010 Florida Building Code based upon an ultimate 3-second gust wind speed of 170 mph converted to a nominal 3-second gust wind speed of 132 mph per section 1609.3.1 as required for use in the TIA-222-G Standard per Exception #5 of Section 1609.1.1. Exposure Category C and Risk Category II were used in this analysis.		
All modifications and equipment proposed in this report shall be installed in accordance with the attached drawings for the determined available structural capacity to be effective.		
We at Crown Castle appreciate the opportunity of providing our continuing professional services to you and Crown Castle. If you have any questions or need further assistance on this or any other projects please give us a call.		
Structural analysis prepared by: Randall Ashworth, Associate Design Engineer	Tower Rating 39.7%	
Respectfully submitted by:	Joseph Y. Kim, P.E. Professional Engineer License: #73331 Crown Castle USA, Inc. Certificate of Authorization: #78970	
Joseph Y. Kim, P.E. Manager Engineering		
inxTower Report - version 6.1.4.1	2/10/14	

Figure 4. Compliance with FCC Rules

Telecommunications Site Review
Florida Equipment Modification



AT&T Mobility
5201 Congress Avenue
Boca Raton, FL 33487

Date: March 17, 2014

Re: AT&T Mobility's FCC compliance statement for cell site CCCN, located at 7600 Lyons Road in Coconut Creek, Florida

To whom it may concern,

AT&T Mobility operates all their antenna sites within limits established by the Federal Communications Commission (FCC) Rules, to prevent interference to other radios systems and electronic devices, and to insure alignment with rules governing human exposure to radio frequency energy (OET 65 guidelines).

AT&T Mobility operates on dedicated radio channels allocated by the FCC and within maximum power limits established by the FCC in the 700 MHz, Cellular, PCS, AWS and WCS bands. The FCC has allocated these channels exclusively to AT&T Mobility for use in providing commercial wireless service. No other radio system or electronic device is permitted to operate on these channels.

AT&T Mobility operates with radio transmitters that are type-accepted by the FCC to ensure compliance with technical standards that regulate the channel band mask limits, to insure they do not generate RF emissions outside the channel band mask that could interfere with adjacent channel operators

In summary, AT&T Mobility shall comply with all applicable FCC Rules to limit the potential of creating interference or exceeding human exposure limits.

If you have any questions, you can reach me at 561-312-3000.

Sincerely,

George Brosseau

George Brosseau
Principal RF Engineer
AT&T Mobility

Figure 5. Compliance Statement

Telecommunications Site Review
Florida Equipment Modification

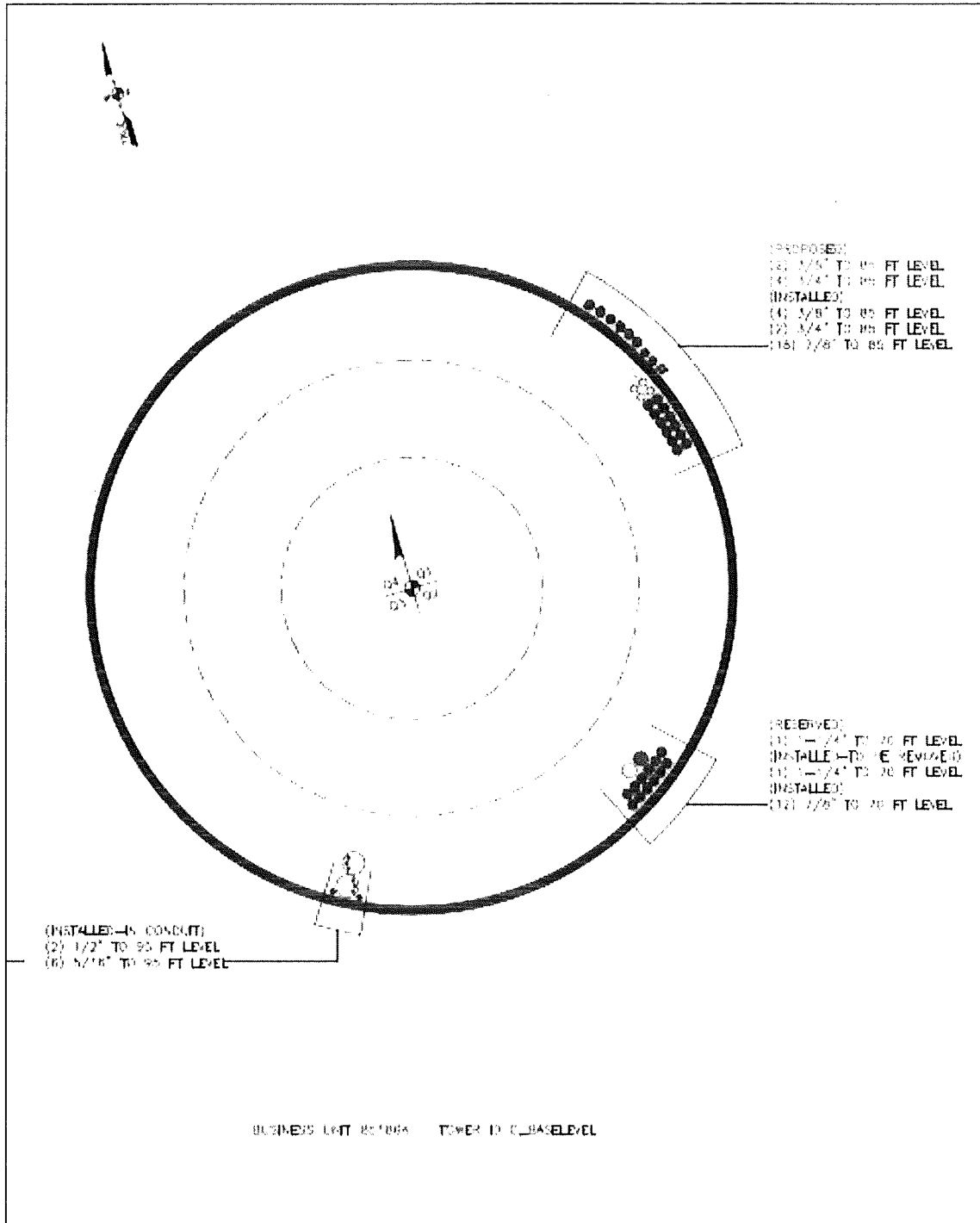


Figure 6. Feed Line Installation



CITY OF COCONUT CREEK
DEVELOPMENT REVIEW COMMITTEE (DRC) REVIEW #1
4-10-14

PROJECT NAME:		Crown 851864 AT&T CCCN F138	
PROJECT NUMBER:		PZ-14030004	
LOCATION:		NBPS	
APPLICANT/AGENT:		Brian Plewinski	
REVIEW/APPLICATION		AA - Tower	
DISCIPLINE	REVIEWER	EMAIL	TELEPHONE
DRC Chair, Zoning	Heidi Solano – Senior Planner	hsolano@coconutcreek.net	(954) 973-6739
Building	Sean Flanagan - Chief Structural Inspector	sflanagan@coconutcreek.net	(954) 973-6750
Engineering	Albert Demercado - Engineer II	ademercado@coconutcreek.net	(954) 973-6786
Engineering	Eileen Cabrera - Engineer I	ecabrera@coconutcreek.net	(954) 545-6655
Engineering	Yugal Lall – Senior Engineer	YLall@coconutcreek.net	(954) 973-6786
Fire	Rodney Zancanata - Fire Marshal	rzancanata@coconutcreek.net	(954) 973-1563
Green, Zoning	Jim Hetzel – Senior Planner	jhetzel@coconutcreek.net	(954) 973-6756
Landscape	Scott Peavler - Landscape (consultant)	speavler@coconutcreek.net	(954) 973-6756
Police	Henry Cabrera - Police Sergeant	hcabrera@coconutcreek.net	(954) 956-6721
Zoning	Liz Aguiar – Senior Planner	LAguiar@coconutcreek.net	(954) 973-6756

DEPARTMENTAL COMMENTS

BUILDING

The Building Department approves this application.
This approval shall not imply full compliance with the Florida Building Code. Submittal of a building permit application and plans are required for review for a building permit.

ENGINEERING

Approved

FIRE

Approved

GREEN

NA

LANDSCAPE ARCHITECTURE

Conditions:

1. Tree protection is required where existing trees are within the construction area per Sec. 13-448 (n).
2. Contractor is responsible for any landscape that is damaged during construction and shall be restored to like or better condition.

Applicant is required to address EACH comment and to revise plans accordingly (*acknowledgements, are not corrections*). **ONLY COMPLETE & BOUND PACKAGES WILL BE ACCEPTED**, no inserts, along with one (1) digital copy on disk which will include complete signed/sealed plan sets, responses & any requested or outstanding documents. Applicant does not need to resubmit application or previously submitted documents. Applicant will be advised as to how many plan sets will be needed. Additional comments may be provided at DRC meeting and/or required upon review of any revised plans.

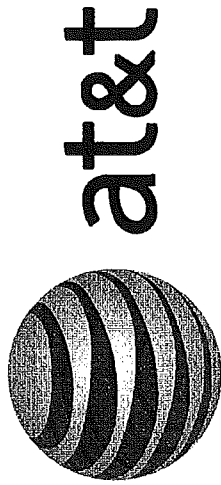


PLANNING AND ZONING

1. Passed pending any comments which may be generated based on the review of our technical consultant.
2. Be advised, this review is based on planning and zoning design requirements and does not contain comments that may be generated from other disciplines, which may arise during the building permit process.
3. Be advised that any development review application inactive for more than 6 months will be considered null and void and any application submitted will be treated as a new application with applicable fees.
4. Section 13-80(b): the city has retained professional services to conduct landscape review of all development review applications. Consistent with of the city's land development code, the cost for these landscape review services, including analysis of tree mitigation plans, shall be billed to the applicant on a cost recovery basis.

POLICE

Approved



CCCN

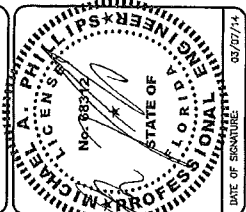
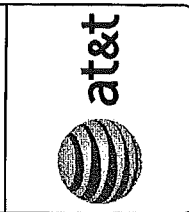
7650 LYONS ROAD
COCONUT CREEK, FL 33073

3rd CARRIER OVERLAY

REV	DATE	DESCRIPTION
0	2/20/14	FOR PERMIT
1	3/7/14	REVISED

PROJECT NO: 130-756.02
DRAWN BY: J. ACOSTA
CHECKED BY: M. ABBEY

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CCCN
7650 LYONS ROAD
COCONUT CREEK, FL 33073
SHEET NAME

TITLE SHEET
SHEET NUMBER
11

INDEX OF DRAWINGS	
REV. NO.	DESCRIPTION
T1	TITLE SHEET
C1	NOTES
C2	COMPOUND PLAN
C3	ELEVATION AND ANTENNA LAYOUTS
E1	DETAILS
E2	DC ELECTRICAL DETAILS
E3	GROUNDING DETAILS AND NOTES

DESIGN CRITERIA
DESIGN WIND SPEED: 170 MPH (ULTIMATE, 3-SECOND GUST)
132 MPH (NOMINAL, 3-SECOND GUST)
EXPOSURE: C
RISK CATEGORY: II
OPEN STRUCTURE

CODE COMPLIANCE
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
1. 2010 FLORIDA BUILDING CODE WITH 2012 SUPPLEMENT.
2. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70.
3. NATIONAL ELECTRICAL CODE, 2008 EDITION.
4. IBC-2009 WITH ADDENDUM 1, APPLICABLE STANDARDS.
5. 2010 FLORIDA FIRE PREVENTION CODE.
6. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360-05 AND 341-05.
7. UNDERWRITERS LABORATORIES (U.L.) LISTED PRODUCTS.
8. LOCAL JURISDICTIONAL REQUIREMENTS.
9. CITY/COUNTY ORDINANCES.
NOTE:
THERE SHALL BE NO PIPES, CONDUITS OR CABLES RAN THROUGH THE STAIRS OR ITS ENVELOPE.

LEGAL DESCRIPTION
THE NORTH BROWARD SCHOOL PLAT ALL OF PARCEL A TOGETHER WITH THE FOLLOWING PORT OF PALM BEACH FARMS 2-53 PB DESD AS TR 25 E 332.5 & TR 28 W 1/2 & TR 28 W 1/2 ALL LYING S OF CANAL TOGETHER FT OF VAC 30 RD R/W LYING BET SAID PIS OF TRSR 30 E 50 & E 90 OF S 1/2 VAC RD R/W TOGETHER WITH MARBLE HEAD SUBDIVISION SEC 1, 165-49 B & LOTS 1 THRU 10 & VAC R/W PER RESOLUTION 2001-276

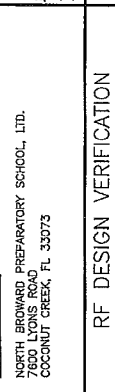
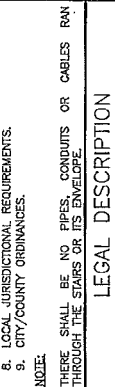
SCOPE OF WORK
1. REMOVAL OF (9) EXISTING AT&T ANTENNAS.
2. INSTALLATION OF (9) NEW AT&T ANTENNAS.
3. INSTALLATION OF (6) NEW REMOTE RADIO HEADS (RRHs).
4. INSTALLATION OF (2) NEW SURGE SUPPRESSORS.
5. INSTALLATION OF NEW ANTENNA MOUNT (WILL CAUSE THE SITE TO BE OFF-AIR FOR APPROXIMATELY 3 TO 7 DAYS).

PROPERTY SUMMARY
FOLIO #: 4742-32-06-0012
LATITUDE: 26.324251° N
LONGITUDE: 80.180755° W
ZONING JURISDICTION: CITY OF COCONUT CREEK
ZONING CLASSIFICATION: A-1 (AGRICULTURAL DISTRICT)

CONTACTS
APPLICANT
MIKE KRUSSEL
AT&T MOBILITY
5201 CONGRESS AVENUE
BOCA RATON, FL 33487
(561) 451-7486
PROPERTY OWNER
NORTH BROWARD PREPARATORY SCHOOL, LTD.
7600 LYONS ROAD
COCONUT CREEK, FL 33073

RF DESIGN VERIFICATION
DESIGN BASED ON RFDS REV 0.2 DATED 12/9/13. CONTRACTOR SHALL REQUEST CURRENT RFDS AND WORKBOOK FROM MASTEC NETWORK SOLUTIONS CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION

PROJECT INFORMATION
1. THIS IS AN UNMANNED FACILITY AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
2. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
3. NO WASTEWATER WILL BE GENERATED AT THIS LOCATION.
4. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.



DRIVING DIRECTIONS
FROM MASTEC'S BOCA RATON OFFICE, HEAD SOUTH ON I-95 FOR 5.4 MILES TO EXIT 42 (HILLSBORO BLVD), HEAD WEST ON HILLSBORO BLVD FOR 4.3 MILES TO NW 48th AVE, TURN RIGHT AND HEAD NORTH FOR 0.4 MILES TO NW 74th STREET, TURN RIGHT AND HEAD EAST FOR 0.3 MILES TO SITE ON THE LEFT SIDE OF ROAD.

APPROVED
ADMINISTRATIVE APPROVAL 04-10-14

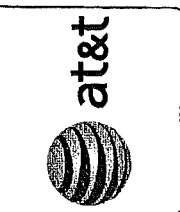

REV	DATE	DESCRIPTION
0	2/29/74	FOR PERMIT
1	3/7/74	REVISED

PROJECT NO.:	130-728.02
DRAWN BY:	J. ZOSKA
CHECKED BY:	U. ARBEY

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PROHIBITED TO REPRODUCE OR REPRODUCE OR USE OF THIS DRAWING IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE OWNER.



4400 LANDING DRIVE
WINDY HILL, FL 32077
CORPORATE OFFICE/MIAMI 305-474-1414

DATE OF SIGNATURE: 03/07/74

CCCN
 7888 USHS ROAD
 COCONUT CREEK, FL 33023

SHEET NAME
 NOTES
 SHEET NUMBER
 C1

- THE APPROPRIATE UTILITY LOCATING SERVICES SHALL BE CONTACTED PRIOR TO THE START OF CONSTRUCTION IN ORDER TO VERIFY THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES.
- THE INSTALLATION OF NEW UTILITIES SHALL BE COORDINATED WITH LOCAL AUTHORITIES.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES. THE LOCATION OF ALL UTILITIES SHALL BE RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. EXTREME CAUTION SHALL BE USED WHEN EXCAVATING OR DRILLING PILES AROUND OR NEAR UTILITIES.
- RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES THAT INTERFERE WITH THE EXECUTION OF THE WORK SHALL BE REMOVED AND/OR CAPPED, PULSED, OR OTHERWISE DISCONTINUED AT POINTS THAT WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE LANDLORD AND/OR LOCAL UTILITIES.
- DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION SHALL BE MINIMIZED.
- ANY AREAS OF THE CONSTRUCTION SITE DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER EQUIPMENT OR DRIVEWAY SHALL BE GRADED TO A UNIFORM SLOPE. SUCH GRADING SHALL CAUSE SURFACE WATER TO FLOW AWAY FROM ANY EQUIPMENT, SHELF, OR WALL. THE SOIL SHALL BE STABILIZED TO PREVENT EROSION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- THE SUB-GRADE SHALL BE COMPACTED AND BROUGHT TO A UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- BACKFILL SHALL CONSIST OF CLEAN SAND FILL APPROVED FOR USE BY THE ENGINEER. NO UNAPPROVED MATERIAL WILL BE ALLOWED. CLEAN SAND FILL SHALL BE FREE OF ALL ROOTS, BOULDERS, OR OTHER DELETERIOUS MATERIAL.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL TO OR BETTER CONDITION THAN ORIGINAL.
- SITE SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR SUCH SIGNAGE AS MAY BE CONTAINED IN THESE DRAWINGS.

SITE WORK NOTES

- MATERIAL**
 - ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE LATEST EDITION OF THE AISC "STEEL CONSTRUCTION MANUAL".
 - ALL STRUCTURAL STEEL WF BEAMS SHALL BE ASTM A992 AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
 - ALL STRUCTURAL PLATES, ANGLES, AND CHANNELS SHALL BE ASTM A36 AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
 - ALL TUBES SHALL BE ASTM A500 GRADE B (Fy=48ksi), AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
 - ALL STRUCTURAL PIPE MEMBERS SHALL BE ASTM A500 GRADE B (Fy=42ksi), AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
 - ALL NON-STRUCTURAL PIPE MEMBERS SHALL BE ASTM A53 GRADE B, AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
- DESIGN, FABRICATION, AND CONSTRUCTION OF ALL CONNECTIONS SHALL CONFORM TO AISC CONSTRUCTION MANUAL.
- WELDING**
 - ALL WELDS, WELDERS, AND WELD INSPECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AWS D 1.1, LATEST REVISION.
 - ALL WELDS SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES.
 - ALL STEEL SHALL BE SPRAY GALVANIZED AFTER WELDING.
- ALL BOLTS SHALL BE GALVANIZED 1/2" DIAMETER, A325-N, UNLESS NOTED OTHERWISE AND TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC. SECURE NUT WITH LOCKING WASHER.
- ANCHOR BOLTS SHALL CONFORM TO ASTM A307, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR/STEEL FABRICATOR SHALL LOCATE ANY REINFORCEMENT IN THE STRUCTURAL MEMBERS IN SUCH A MANNER SO THAT THERE WILL NOT BE CONFLICT WITH THE REINFORCEMENT WHEN INSTALLING ANCHORS. THE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTION.
- THE CONTRACTOR/STEEL FABRICATOR SHALL CONFORM TO THE MINIMUM EDGE DISTANCE REQUIREMENTS IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION.
- ALL STRUCTURAL STEEL SHALL BE FABRICATED TO FIT AT BOLTED CONNECTIONS WITHIN 1/8" TOLERANCE. STRUCTURAL STEEL SHALL NOT BE FLAME CUT UNDER ANY CIRCUMSTANCES WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR/STEEL FABRICATOR SHALL CAP OR SEAL ALL PIPES AS REQUIRED TO PREVENT RAINWATER INTRUSION.
- THE CONTRACTOR/STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION. AT THE CONTRACTOR'S OPTION, FIELD CUTS MAY BE USED FOR ERECTION PURPOSES. IF FIELD SPICES ARE USED, THE SHOP DRAWINGS SHALL INCLUDE ALL DETAILS FOR THE PROPOSED FIELD SPICES.
- AT THE CONTRACTOR'S OPTION, SHOP WELDS MAY BE USED INSTEAD OF FIELD WELDS.
- SUBMIT ORIGINAL SHOP DRAWINGS, INCLUDING COMPLETE DETAILS, SCHEDULES OF FABRICATION AND ASSEMBLY, PROCEDURES, AND DIAGRAMS INCLUDE DETAILS OF CUTS, CONNECTIONS, CAMBER, HOLE, AND OTHER PERTINENT DATA, INDICATE WELDS BY STANDARD AWS A2.1 AND A2.4 SYMBOLS, AND SHOW SIZE, LENGTH, AND TYPE OF WELD. PROVIDE SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED AS WORK OF OTHERS SECTIONS.

STRUCTURAL STEEL NOTES

- FOR THE PURPOSES OF THESE CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
 - OWNER - AT&T MOBILITY
 - ENGINEER - CALTRIP CORPORATION
 - CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
- PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE JOB SITE IN ORDER TO: (1) VERIFY ALL EXISTING CONDITIONS; (2) CONFIRM WHETHER ALL DIMENSIONS ARE AS SHOWN ON THE PLANS; AND (3) CONFIRM WHETHER THE WORK MAY BE ACCOMPLISHED AS SHOWN. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER.
- A 20'-FOOT HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM ALL EXISTING POWER LINES.
- THE CONTRACTOR'S USE OF A CONSTRUCTION STAGING AREA SHALL BE COORDINATED WITH THE OWNER WELL IN ADVANCE OF THE CONSTRUCTION START DATE.
- LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND TEMPORARY POWER SERVICES NECESSARY FOR AND INCIDENTAL TO COMPLETION OF ALL WORK SHALL BE PROVIDED AS INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN. LABOR AND MATERIALS SHALL BE FURNISHED AS REQUIRED FOR COMPLETE SYSTEMS, INCLUDING ALL ELEMENTS OBVIOUSLY OR REASONABLY INCIDENTAL TO A COMPLETE INSTALLATION, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS.
- FOR TASKS REQUIRED TO BE PERFORMED BUT NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOT START WORK ON SUCH TASKS WITHOUT HAVING RECEIVED WRITTEN AUTHORIZATION FROM THE CONSTRUCTION MANAGER TO PROCEED.
- THE DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE INDICATED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS MAY BE MODIFIED AS REQUIRED BY ACTUAL FIELD CONDITIONS. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE ENGINEER AND THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER ALL REQUIRED PERMITS, CERTIFICATES OF INSPECTION, INCLUDING UTILITY CONNECTION FEES, ETC., REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND SHALL DELIVER SUCH DOCUMENTS TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- THE CONTRACTOR'S OPERATIONS SHALL BE CONFINED TO AREAS OF NEW CONSTRUCTION.
- ALL NECESSARY PROVISIONS SHALL BE MADE TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO SAME, RESULTING FROM THE CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER UPON COMPLETION OF ALL WORK TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
- THE FOLLOWING CLEANUP TASKS SHALL BE PERFORMED AS FOLLOWS: (1) ON A DAILY BASIS, KEEP THE GENERAL AREA CLEAN AND HAZARD FREE, REMOVING ALL WASTE, DEBRIS AND TRASH FROM THE SITE AND DISPOSING OF SAME IN A LEGAL MANNER. (2) UPON COMPLETION, LEAVE THE PREMISES IN A CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATIONS EXCEPT WHERE IT IS SPECIFICALLY INDICATED OTHERWISE IN THE CONTRACT DOCUMENTS OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION OVER THE PERFORMANCE OF THE WORK. ALL NECESSARY PERMITS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AS WELL AS LOCAL AND STATE CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AT ALL TIMES, USING THE BEST SKILLS AND ATTENTION. HE SHALL ADVISE THE OWNER IMMEDIATELY OF ANY DEFICIENCIES, TECHNICAL SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE OWNER'S AUTHORIZED REPRESENTATIVE.
- WITHIN TWENTY (21) WORKING DAYS AFTER PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE A COMPLETE QUALITY CONTROL CHECKLIST, SCHEDULED MAINTENANCE TESTS, LEAK RELEASES, AND OTHER CLOSEDOUT DOCUMENTATION AS REQUIRED BY THE OWNER. ALL TESTS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AS WELL AS LOCAL AND STATE CODES, ORDINANCES AND APPLICABLE REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ASSEMBLY, TESTING, ADJUSTED AND DEMONSTRATED TO BE READY FOR OPERATION PRIOR TO THE OWNER'S ACCEPTANCE.

GENERAL NOTES

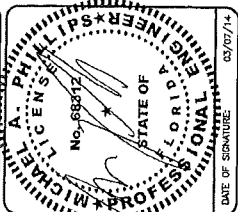
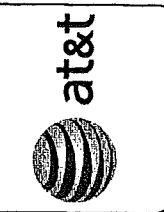
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REV	DATE	DESCRIPTION
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1	3/7/14	REVISED

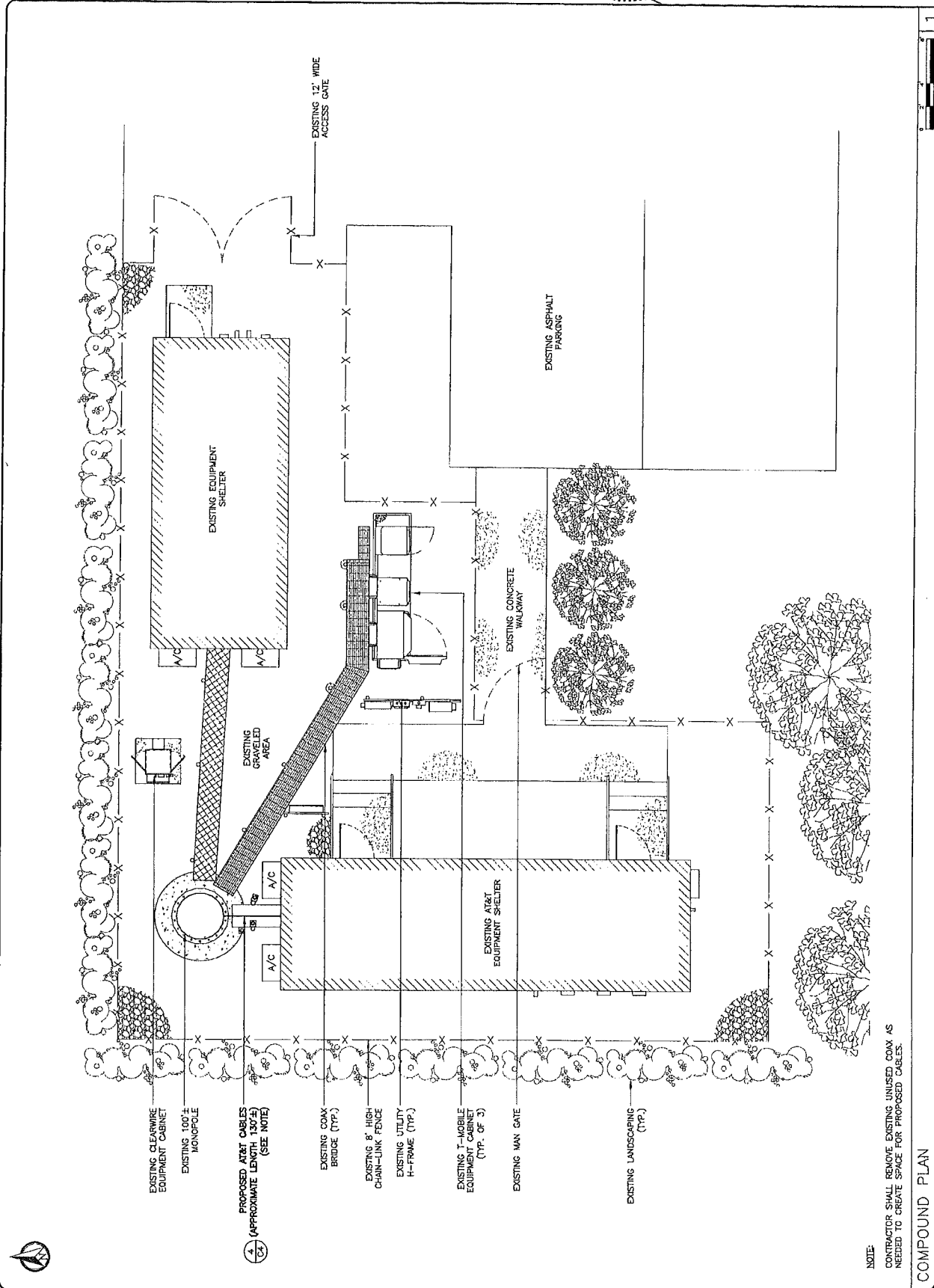
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 DRAWN BY: J. ACOSTA
 CHECKED BY: M. ABBERT

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340C LAVERGNE DRIVE
 SUITE 220
 MIAMI, FL 33137
 DEPARTMENT OF TRANSPORTATION 2014



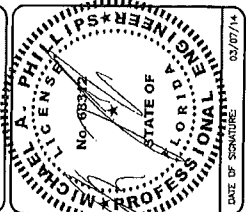
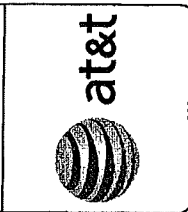
CCCN
 7600 LAVERGNE ROAD
 COVINGTON, MISSISSIPPI 39026
 SHEET NAME: COMPOUND PLAN
 SHEET NUMBER: C2



REV	DATE	DESCRIPTION
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1	3/7/14	REVISED

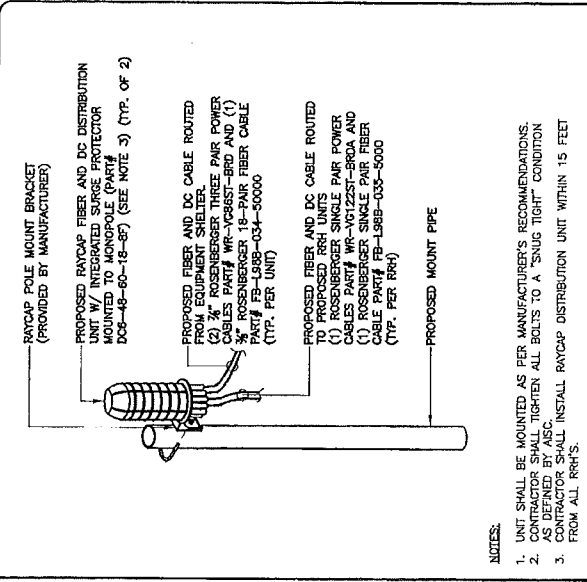
PROJECT NO.:	130-728.00
DRAWN BY:	J. AZETA
CHECKED BY:	M. ASBET

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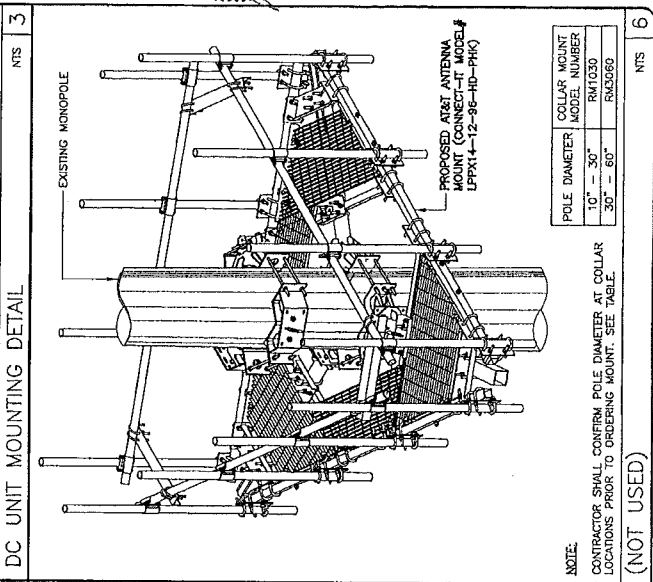


CCCN
7885 LINDS ROAD
COCKSCOCK CREEK, N.C. 28023

SHEET NAME
DETAILS
SHEET NUMBER
C-4

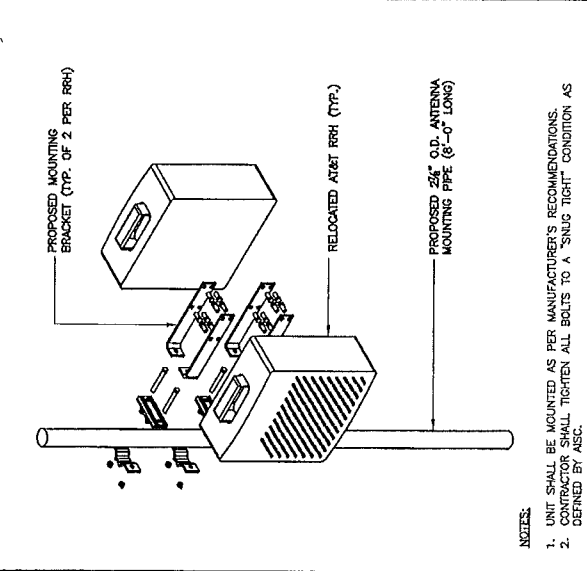


- NOTES:
1. UNIT SHALL BE MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS.
 2. CONTRACTOR SHALL TIGHTEN ALL BOLTS TO A "SNUG TIGHT" CONDITION AS DEFINED BY ASC.
 3. CONTRACTOR SHALL INSTALL RAYCAP DISTRIBUTION UNIT WITHIN 15 FEET FROM ALL RRH'S.

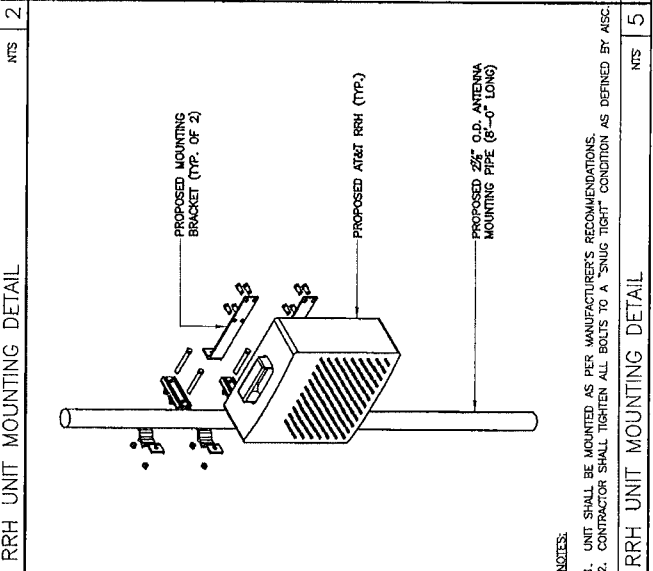


POLE DIAMETER	COLLAR MOUNT MODEL NUMBER
10" - 36"	RRH1030
36" - 60"	RRH3600

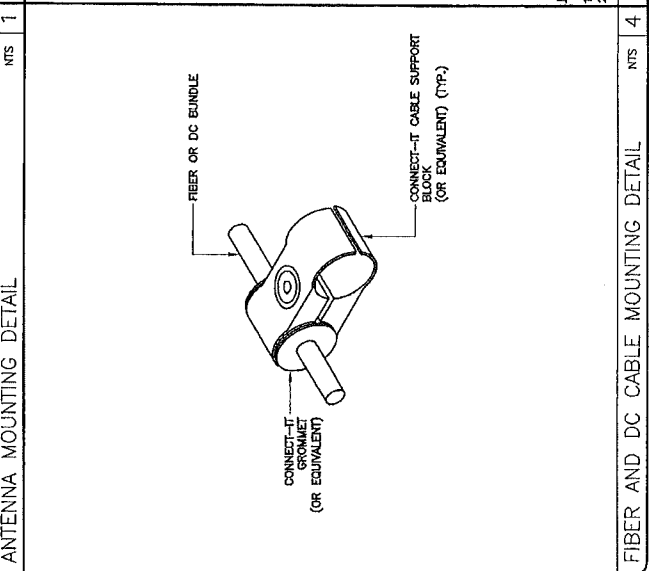
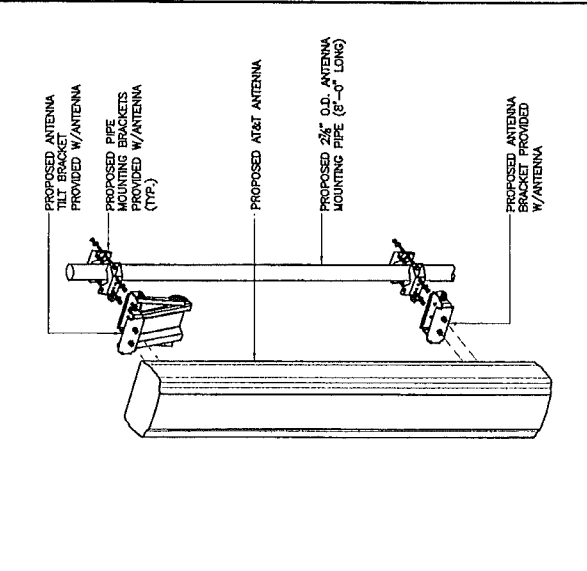
CONTRACTOR SHALL CONFIRM POLE DIAMETER AT COLLAR LOCATIONS PRIOR TO ORDERING MOUNT. SEE TABLE.



- NOTES:
1. UNIT SHALL BE MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS.
 2. CONTRACTOR SHALL TIGHTEN ALL BOLTS TO A "SNUG TIGHT" CONDITION AS DEFINED BY ASC.



- NOTES:
1. UNIT SHALL BE MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS.
 2. CONTRACTOR SHALL TIGHTEN ALL BOLTS TO A "SNUG TIGHT" CONDITION AS DEFINED BY ASC.



ANTENNA MOUNTING DETAIL NTS 1

RRH UNIT MOUNTING DETAIL NTS 2

DC UNIT MOUNTING DETAIL NTS 3

FIBER AND DC CABLE MOUNTING DETAIL NTS 4

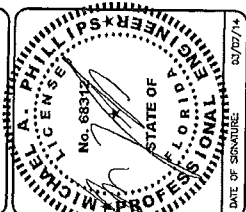
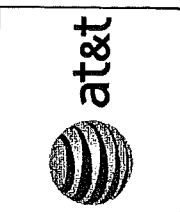
(NOT USED) NTS 5

NTS 6

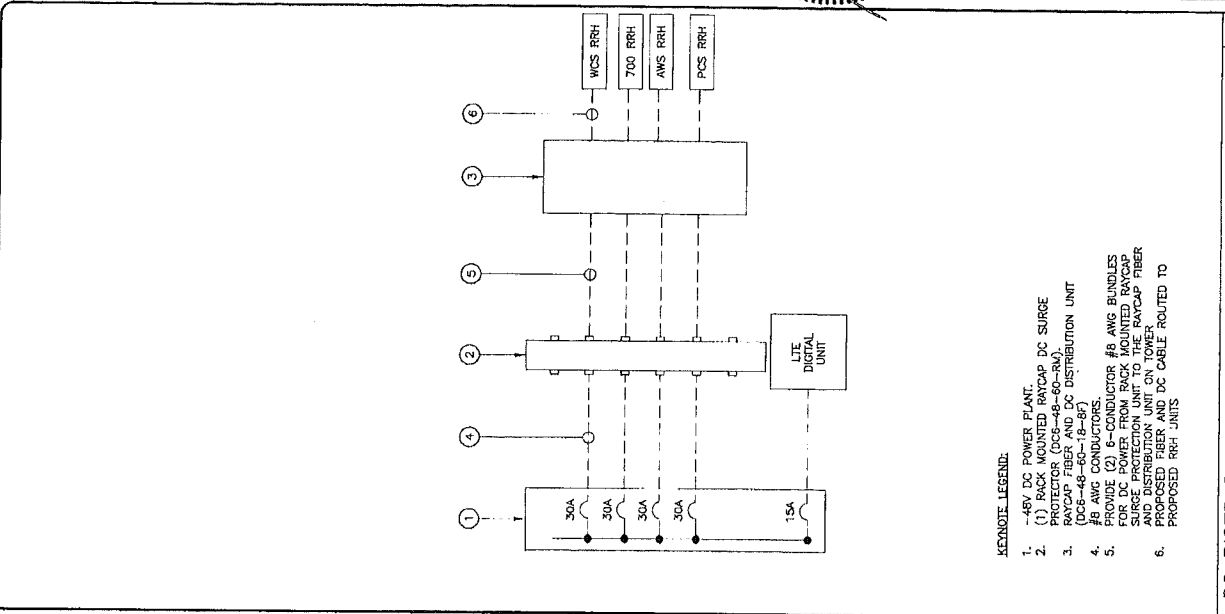
REV	DATE	DESCRIPTION
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1	3/7/14	REVISED

PROJECT NO:	134-78402
DRAWN BY:	J. ACOSTA
CHECKED BY:	M. ABBET

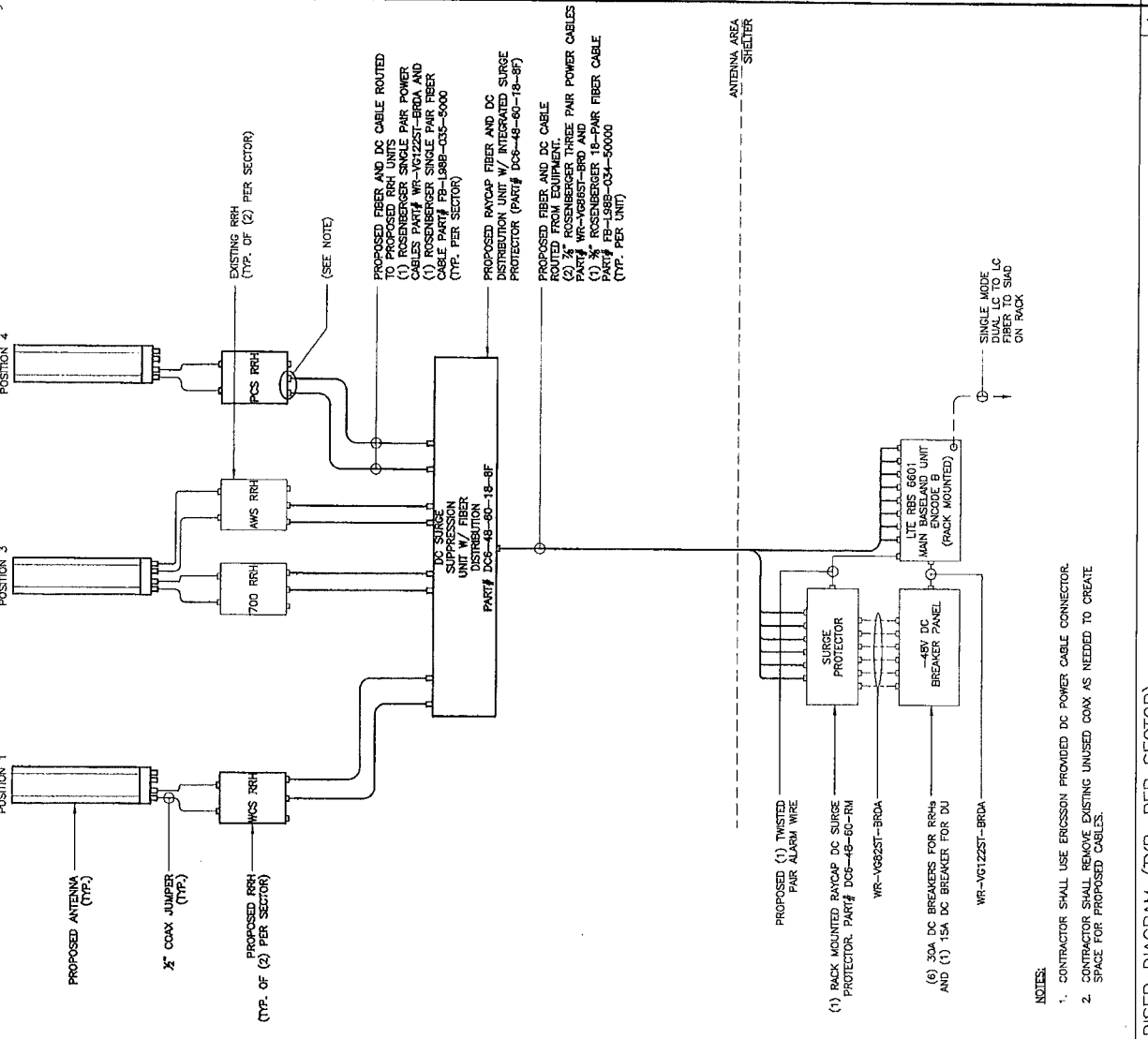
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OCCN	750 DUNN ROAD DOUGLASS CREEK, FL 33003
SHEET NAME	DC ELECTRICAL DETAILS
SHEET NUMBER	E1



- KEYNOTE LEGEND:**
- 48V DC POWER PLANT
 - (1) BACK MOUNTED RAYCAP DC SURGE PROTECTOR (DCS-48-60-RM)
 - RAYCAP FIBER AND DC DISTRIBUTION UNIT (DCB-48-60-18-BF)
 - #8 AWG CONDUCTORS
 - PROVIDE (2) #8 CONDUCTOR #8 AWG BUNDLES FOR EACH DC CABLE ROUTED TO THE RAYCAP FIBER AND DC DISTRIBUTION UNIT ON TOWER
 - PROPOSED FIBER AND DC CABLE ROUTED TO PROPOSED RRH UNITS



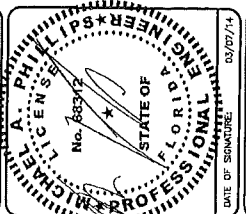
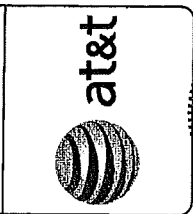
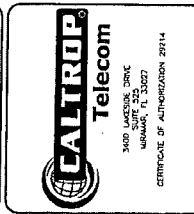
- NOTES:**
- CONTRACTOR SHALL USE ERICSSON PROVIDED DC POWER CABLE CONNECTOR.
 - CONTRACTOR SHALL REMOVE EXISTING UNUSED COAX AS NEEDED TO CREATE SPACE FOR PROPOSED CABLES.

RISER DIAGRAM (TYP. PER SECTOR)

REV	DATE	DESCRIPTION
0	12/20/14	FOR PERMIT
1	3/7/14	REVISED

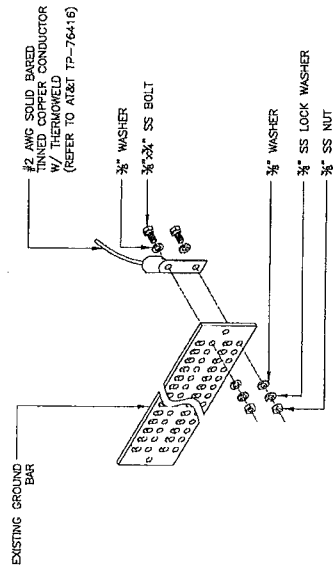
PROJECT NO.:	139-728.02
DRAWN BY:	J. AGOSTA
CHECKED BY:	M. ASBET

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DATE OF SIGNATURE: 03/07/14
 CCCN
 7668 WINE PALM COASTAL CTR., FL 32073

SHEET NAME: GROUNDING
 DETAILS AND NOTES
 SHEET NUMBER: E2

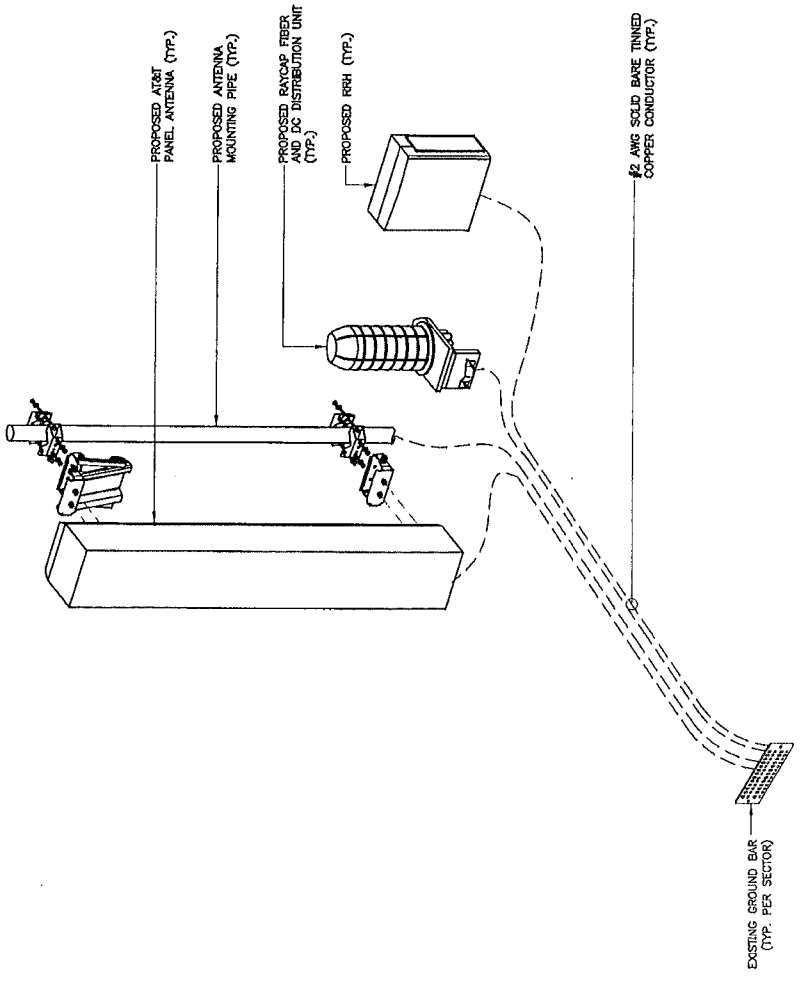


TYPICAL GROUND BAR CONNECTION DETAIL

NTS

- RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DOCUMENTS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
- GUARANTEE/WARRANTY: GUARANTEE INSTALLATION TO BE FREE OF DEFECTS, SHORTS, CIRCUITS, ETC., FOR A PERIOD OF ONE YEAR, FURNISH WARRANTY SO THE DEFECTIVE MATERIAL AND/OR WORKMANSHIP WILL BE REPAIRED/REPLACED IMMEDIATELY UPON NOTIFICATION AT NO COST TO THE OWNER FOR PERIOD OF WARRANTY.
- ALL THE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- 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.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- WIRERAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD. SHALL BE RATED NEMA 1 (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416.

NTS



- NOTES:
- CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416.
 - PROVIDE WEATHER PROOFING AND GROUNDING KIT TO BOND DC POWER CABLE SHIELD TO EXTERNAL HATCH PLATE GROUND BAR.
 - PROVIDE GROUND CONNECTION FOR DC POWER CABLE SHIELD TO "P" SECTION OF CRGB WITHIN SHELTER.

NTS

GROUNDING DIAGRAM (TYP.)