



# **AMERICAN TOWER®**

ATC SITE NAME: ELLISVILLE FL

ATC SITE NUMBER: 2544

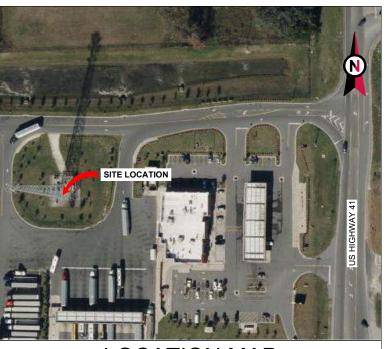
VERIZON SITE NAME: ELLISVILLE A

VERIZON SITE NUMBER: 5000077929 VERIZON FUZE PID: 16500138

SITE ADDRESS: US HIGHWAY 41

LAKE CITY, FL 32025





**LOCATION MAP** 

# **VERIZON AMENDMENT DRAWINGS**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS	SITE ADDRESS: US HIGHWAY 41	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:		DESCRIPTION:	REV:	DATE:	BY:
OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS	LAKE CITY,FL 32025	TOWER WORK:	G-001	TITLE SHEET	0	10/29/2024	EDNA
TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.	COUNTY: COLUMBIA REGISTERED COORDINATES:	INSTALL MOUNT MODIFICATIONS, (3) ANTENNA(s), (1) OVP(s), AND (1) 1.43" 6X12 HYBRID CABLE(s)	G-002	GENERAL NOTES	0	10/29/2024	EDNA
2021 IBC	LATITUDE: 30.00278888	EXISTING (6) ANTENNA(s), (1) MW DISH, (2) ODU(s), (6) RRH(s), (1) OVP(s), AND (2) 0.41" COAX AND (2) 1.43" 6X12 HYBRID CABLE(s) TO	C-001	EXISTING SURVEY			
NATIONAL ELECTRICAL CODE (NFPA 70, NEC 2020) 2023 FLORIDA BUILDING CODE, MECHANICAL, 8TH EDITION	30° 0' 10.04" N	REMAIN	C-101	C-101 DETAILED SITE PLAN	0	10/29/2024	EDNA
(IMC 2021 W/ AMND) 2023 FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION (IPC	LONGITUDE: -82.59924722 82° 35' 57.29" W		C-201	TOWER ELEVATION	0	10/29/2024	EDNA
2021 W/ AMND) 2023 FLORIDA BUILDING CODE, ENERGY CONSERVATION, 8TH	GROUND ELEVATION: 66' AMSL		C-401	ANTENNA INFORMATION & SCHEDULE	0	10/29/2024	EDNA
EDITION (IECC 2021 W/ AMND) 2023 FLORIDA FIRE PREVENTION CODE. 8TH EDITION (NFPA 1.			C-501	CONSTRUCTION DETAILS	0	10/29/2024	EDNA
2021 W/ AMND) 2023 FLORIDA BUILDING CODE, EXISTING BUILDING, 8TH			E-501	GROUNDING DETAILS	0	10/29/2024	EDNA
2023 FLORIDA BUILDING CODE, EXISTING BUILDING, 8TH EDITION (IEBC 2021 W/ AMND)  8TH ED (2023) FLORIDA BUILDING CODE  2023 FLORIDA BUILDING CODE, RESIDENTIAL, 8TH EDITION (IRC 2021 W/ AMND)  2023 FLORIDA BUILDING CODE, FUEL GAS, 8TH EDITION (IFGC 2018 W/ AMND)		PROJECT NOTES		SUPPLEMENTAL SHEETS (1 PAGE)			
	PROJECT TEAM	THE FACILITY IS UNMANNED.     A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A					
	TOWER OWNER: APPLICANT:	MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.  3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.  4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL					
,	AMERICAN TOWER VERIZON WIRELESS 10 PRESIDENTIAL WAY						
	WOBURN, MA 01801	IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.					
	ENGINEER:	THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED					

POWER COMPANY: CLAY ELECTRIC COOPERATIVE, INC

TELEPHONE COMPANY: UNKNOWN PHONE: N/A



#### UTILITY COMPANIES

CARY, NC 27511 PROPERTY OWNER:

> GEORGE W. HUNTER REVOCABLE TRUST **US HIGHWAY 41** LAKE CITY,FL 32025

ATC TOWER SERVICES, LLC

1 FENTON MAIN, STE 300

ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

#### PROJECT LOCATION DIRECTIONS

IN FL. AND I-75: TAKE EXIT 414 AND TURN LEFT. TRAVEL JUST PAST THE FIRST GAS STATION AND TURN LEFT TO TOWER.

### CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT: HTTPS://PMI.VZWSMART.COM

SMART TOOL VENDOR PROJECT NUMBER: 10252782 VZW LOCATION CODE (PSLC): 5000077929

\*\*\*PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED:

VZW APPROVED SMART KIT VENDORS:

REFER TO MOUNT MODIFICATION DRAWINGS PAGES FOR VZW SMART KIT APPROVED VENDORS



ATC TOWER SERVICES, LLC 1 FENTON MAIN SUITE 300

**CARY, NC 27511** PHONE: (919) 468-0112

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIEV ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
<u></u>	FOR CONSTRUCTION	<u>EDNA</u>	10/29/2024
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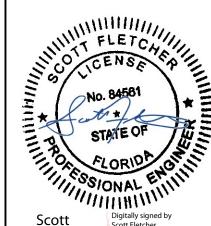
**ELLISVILLE FL** 

ATC SITE NUMBER:

VERIZON SITE NAME:

# **ELLISVILLE A**

SITE ADDRESS: US HIGHWAY 41 LAKE CITY.FL 32025



Scott



14859902\_G0 ATC JOB NO: CUSTOMER ID: ELLISVILLE A CUSTOMER #: 5000077929

TITLE SHEET

G-001

#### **GENERAL CONSTRUCTION NOTES:**

- OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
- BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND
- BUILD/CO-LOCATE ONLY) AC/TELCO INTERFACE BOX (PPC)
- ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
- D. TOWERS, MONOPOLES
- TOWER LIGHTING
- GENERATORS & LIQUID PROPANE TANK
- ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- ANTENNAS (INSTALLED BY OTHERS)
- TRANSMISSION LINE
- TRANSMISSION LINE JUMPERS
- TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- TRANSMISSION LINE GROUND KITS
- HANGERS
- HOISTING GRIPS
- O. BTS EQUIPMENT
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS GROUNDING RINGS GROUNDING WIRES COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT LANDSCAPING COMPOUND STONE CRANES CORE DRILLING SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS
- DETAILS SHOWN ARE TYPICAL: SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING,
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC, BEFORE COMMENCING WORK
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION, ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
- EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION LISING A SILICONE SEALANT
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET. CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) ITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WOR
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL

- 22. PRIOR TO SUBMISSION OF BID. CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE
- CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
- 24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS
- 26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND
- WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
- COMPLETION OF PROJECT SHALL NOT OBSTRUCT TRAP LOOSEN OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
- THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
- ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOLIND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS
- IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS
- VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPLIETENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
- VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO

### SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

- WORK INCLUDED:
  - ANTENNA AND COAXIAL/HYBRID CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF
  - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.
  - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
  - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE
  - INSTALL COAXIAL/HYBRID CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL/HYBRID CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED
- ANTENNA AND COAXIAL/HYBRID CABLE GROUNDING:
  - A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL

ALL COAXIAL/HYBRID CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL/HYBRID CABLE (NOT WITHIN BENDS)

> ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



1 FENTON MAIN SUITE 300 **CARY, NC 27511** PHONE: (919) 468-0112

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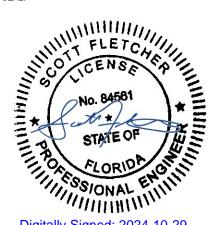
ATC SITE NUMBER: 2544 ATC SITE NAME:

**ELLISVILLE FL** 

VERIZON SITE NAME:

**ELLISVILLE A** 

SITE ADDRESS: US HIGHWAY 41 LAKE CITY.FL 32025



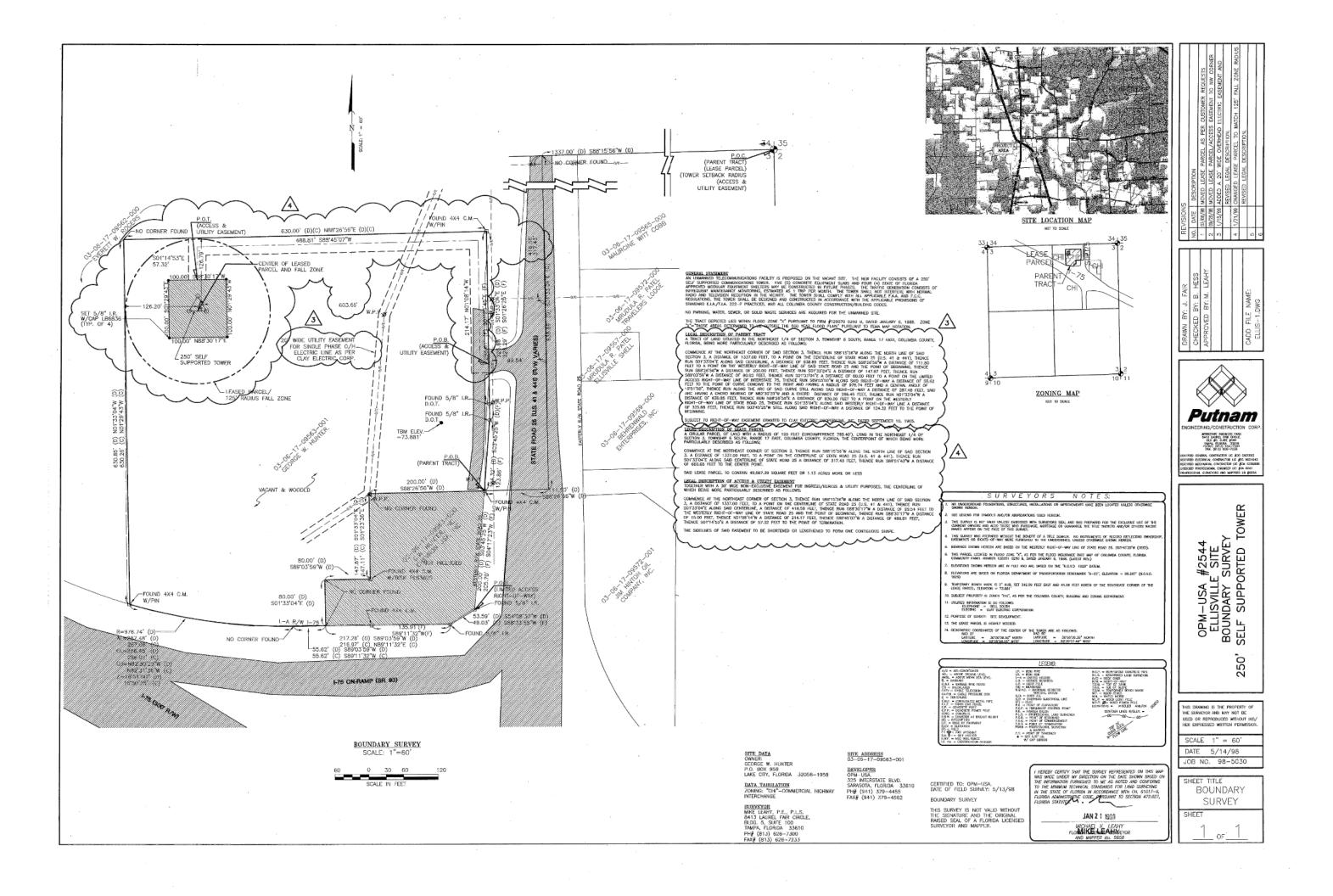
Digitally Signed: 2024-10-29

ATC JOB NO: CUSTOMER ID: FILISVILLE A CUSTOMER #: 5000077929

**GENERAL NOTES** 

SHEET NUMBER:

G-002



#### SITE PLAN NOTES:

- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING **EQUIPMENT AND STRUCTURES DEPICTED ON THIS** PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- NO ELECTRICAL SCOPE IS INCLUDED IN THIS

#### GROUNDING TEST WELL 8 AUTOMATIC TRANSFER SWITCH ATS BOLLARD CSC CELL SITE CABINET DISCONNECT ELECTRICAL FIBER GEN **GENERATOR** GENERATOR RECEPTACLE HH, V HAND HOLE, VAULT ΙB ICE BRIDGE KENTROX BOX LIGHTING CONTROL LC METER PB PULL BOX

LEGEND

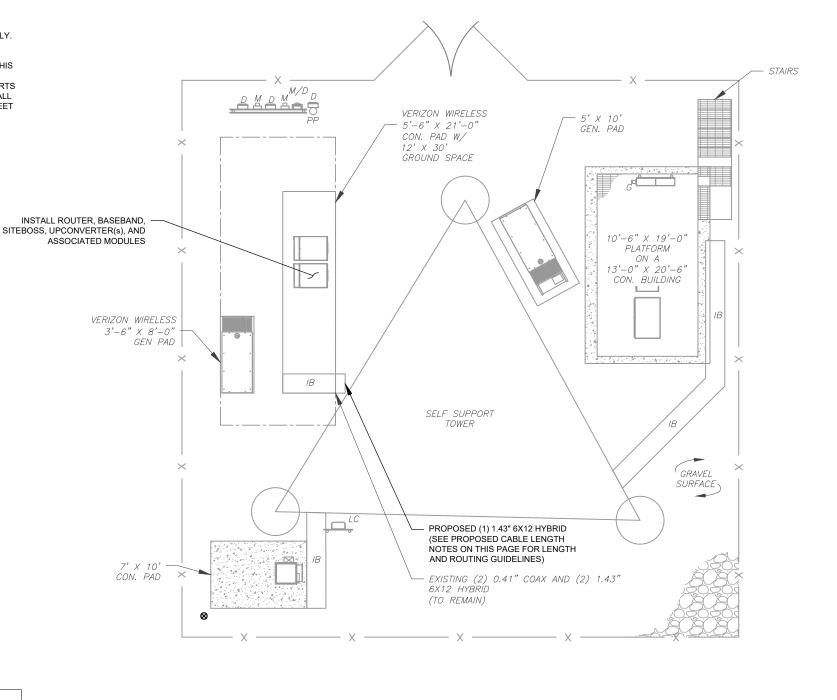
# CHAINLINK FENCE PROPOSED CABLE NOTES:

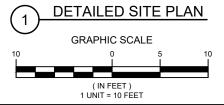
TRANSFORMER

POWER POLE TELCO.

TRN

- ESTIMATED LENGTH OF PROPOSED CABLE IS <u>308</u>'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG)









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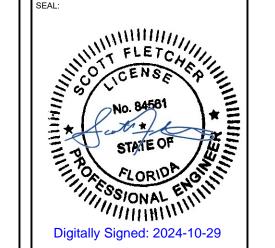
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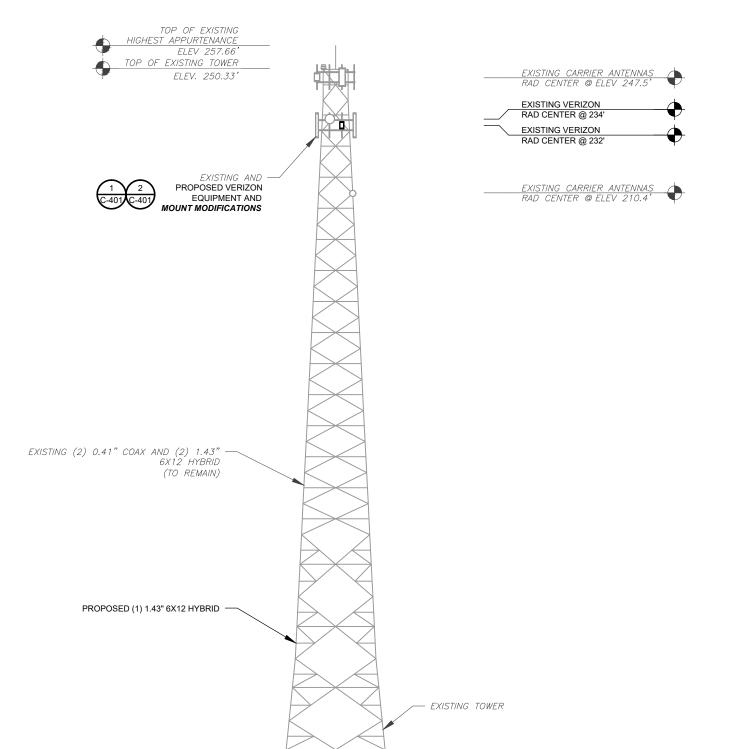
14859902\_G0 ATC JOB NO: CUSTOMER ID: ELLISVILLE A CUSTOMER #: 5000077929

**DETAILED SITE PLAN** 

SHEET NUMBER:

C-101

FAA REGISTERED HEIGHT: 258' AGL



TOWER ELEVATION

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESIGN, DATED 09/27/24, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING, THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS. INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

### ALL ELEVATIONS REFLECT ABOVE GROUND LEVEL (A.G.L.)

EXISTING GRADE

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
- 2. WHERE APPLICABLE. ALL NEW ANTENNAS. EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).
  - TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



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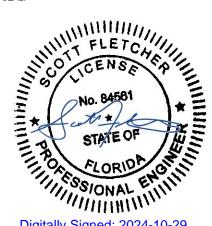
ATC SITE NUMBER: 2544 ATC SITE NAME:

**ELLISVILLE FL** 

VERIZON SITE NAME:

**ELLISVILLE A** 

SITE ADDRESS: US HIGHWAY 41 LAKE CITY.FL 32025



Digitally Signed: 2024-10-29

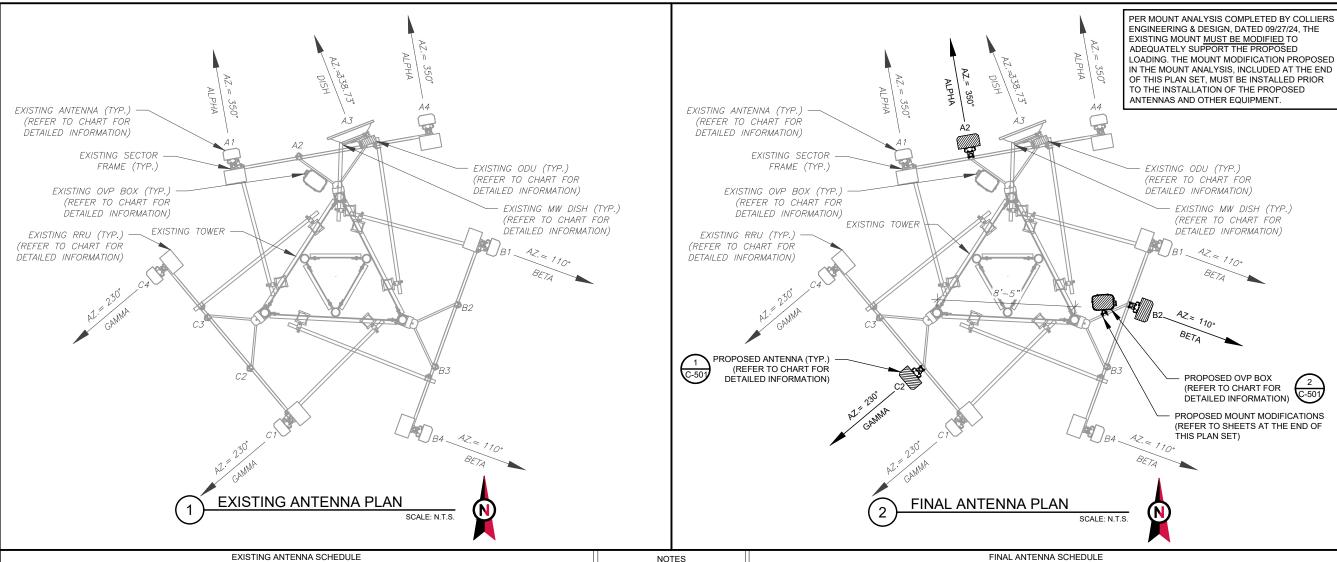


ATC JOB NO: 14859902\_G0 CUSTOMER ID: ELLISVILLE A CUSTOMER #: 5000077929

TOWER ELEVATION

SHEET NUMBER:

C-201



EXISTING ANTENNA SCHEDULE									
L	LOCATION			ANTENNA SUMMARY			NON ANTENNA SUMMAR	Y	1
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS	
ALPHA	232'	350°	A1	NHH-65C-R2B	L700/L850/L1900/LA WS/LAWS3	RMN	RADIO 4449	RMN	
			A2	-	_	-	_	1	] -
DISH	234'	338.73°	A3	VHLPX3-11W/A	_	RMN	(2) ODU 600	RMN	3
ALPHA	232'	350°	A4	NHH-65C-R2B	L700/L850/L1900/LA WS/LAWS3	RMN	RADIO 8843	RMN	
			B1	NHH-65C-R2B	L700/L850/L1900/LA WS/LAWS3	RMN	RADIO 4449	RMN	
BETA		110°	B2	=	-	_	-	_	
BEIA		110	<i>B3</i>	-	-	_	_	-	
	070'		B4	NHH-65C-R2B	L700/L850/L1900/LA WS/LAWS3	RMN	RADIO 8843	RMN	
	232'		C1	NHH-65C-R2B	L700/L850/L1900/LA WS/LAWS3	RMN	RADIO 4449	RMN	
0414144		230°	C2	_	-	_	_	-	
GAMMA		230	C3	_	-	_	_	-	
			C4	NHH-65C-R2B	L700/L850/L1900/LA WS/LAWS3	RMN	RADIO 8843	RMN	

+	NOTES
	1. GC TO VERIFY THE FINAL RFDS
	MATCHES THE FINAL
	CONSTRUCTION DRAWINGS.
	GC TO NOTIFY ATC PM OF ANY
	DISCREPANCY PRIOR TO
	INSTALLING THE EQUIPMENT.
4	2. GC TO CAP ALL UNUSED
	PORTS.
٦	3. GC TO CONFIRM SPACING OF
	PROPOSED EQUIP DOES NOT
┥	CAUSE TOWER CONFLICTS
	NOR IMPEDE TOWER CLIMBING
	PEGS.
	STATUS ABBREVIATIONS
+	RMV: TO BE REMOVED
	RMN: TO REMAIN
	REL: TO BE RELOCATED
1	ADD: TO BE ADDED
	7,55. 10 527,5525
1	
	CABLE LENGTHS FOR JUMPERS
1	S. ISSE EELISTI OTTOOMI ETTO

JUNCTION BOX TO RRU: 15' RRU TO ANTENNA: 10'

		FIINAL AINTEININA SCHEDULE																					
s	LC	CATION			ANTENNA	SUMMARY		NON ANTENNA SUMMARY															
,	SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS														
		232'	350°	A1	NHH-65C-R2B	L700/L850/L1900/L AWS/LAWS3	RMN	RADIO 4449	RMN														
				A2	AIR 6419 B77D	5GCBAND	ADD	·	RMN RMN RMN -														
	ALPHA	234'	338.73°	A3	VHLPX3-11W/A	-	RMN	(2) ODU 600															
3		232'	350°	A4	NHH-65C-R2B	L700/L850/L1900/L AWS/LAWS3	RMN	RADIO 8843	RMN														
								B1	NHH-65C-R2B	L700/L850/L1900/L AWS/LAWS3	RMN	RADIO 4449	RMN										
	DETA		110°	B2	AIR 6419 B77D	5GCBAND	ADD	-	-														
	BETA		110	В3		-	-																
		232'	232'	232'	232'	232'	232'	232'	232'	2221	222	າວາ	າວາ	2221	2221	2221		B4	NHH-65C-R2B	L700/L850/L1900/L AWS/LAWS3	RMN	RADIO 8843	RMN
٦											C1	NHH-65C-R2B	L700/L850/L1900/L AWS/LAWS3	RMN	RADIO 4449	RMN							
	GAMMA		230°	C2	AIR 6419 B77D	5GCBAND	ADD	-	-														
╝	GAIVIIVIA		230	C3	-	-	-	-	-														
				C4	NHH-65C-R2B	L700/L850/L1900/L AWS/LAWS3	RMN	RADIO 8843	RMN														

EXISTING FIBER DISTRIBUTION / OVP	вох	EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
RCMDC-6627-PF-48 (12 OVP)	RMN	(2) 0.41" COAX AND (2) 1.43" 6X12 HYBRID	RMN
-	RMV		RMV

$\bigcirc$	EQUIPMENT SCHEDULES
(3)	

FINAL FIBER DISTRIBUTION / OVP BO	XC	FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS	
RCMDC-6627-PF-48 (12 OVP)	RMN	(2) 0.41" COAX AND (2) 1.43" 6X12 HYBRID	RMN	
RCMDC-6627-PF-48 (12 OVP)	ADD	(1) 1.43" 6X12 HYBRID	ADD	



THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIEV ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
<u> </u>	FOR CONSTRUCTION	EDNA	10/29/2024
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	ATC SITE NUMBER	₹:	

2544 ATC SITE NAME:

**ELLISVILLE FL** 

VERIZON SITE NAME:

**ELLISVILLE A** 

SITE ADDRESS: US HIGHWAY 41 LAKE CITY.FL 32025

No. 84581

STATE OF

STATE

Digitally Signed: 2024-10-29

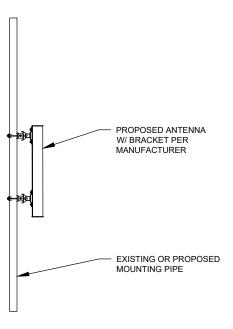
14859902\_G0 ATC JOB NO: CUSTOMER ID: ELLISVILLE A CUSTOMER #: 5000077929

# ANTENNA INFORMATION & SCHEDULE

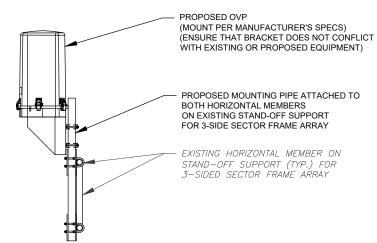
SHEET NUMBER:

C-401

EXISTING/PROPOSED MOUNTS AND/OR MOUNT MODIFICATIONS NOT SHOWN FOR CLARITY. REFER TO ANTENNA PLANS, MOUNT ANALYSES AND/OR MOUNT MODIFICATION DOCUMENTS FOR ADDITIONAL DETAIL.



PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL



PROPOSED OVP MOUNTING DETAIL - TYPICAL



1 FENTON MAIN SUITE 300 CARY, NC 27511 PHONE: (919) 468-0112

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2544 ATC SITE NAME:

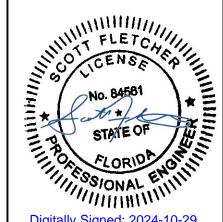
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**ELLISVILLE FL** 

VERIZON SITE NAME:

## **ELLISVILLE A**

SITE ADDRESS: US HIGHWAY 41 LAKE CITY,FL 32025



Digitally Signed: 2024-10-29

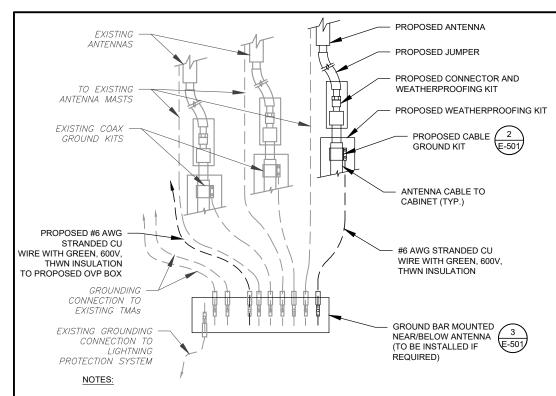


14859902\_G0 ATC JOB NO: CUSTOMER ID: ELLISVILLE A CUSTOMER #: 5000077929

> CONSTRUCTION **DETAILS**

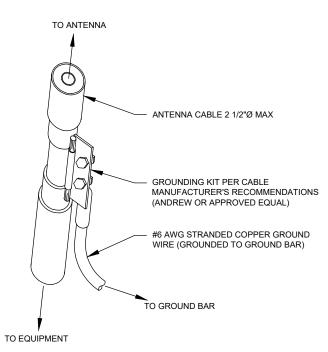
SHEET NUMBER:

C-501



- THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
- SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

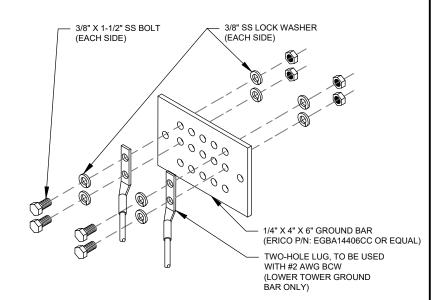




- GROUND KIT NOTES:

  1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- 2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

CABLE GROUND KIT CONNECTION DETAIL



#### **GROUND BAR NOTES:**

- GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- 2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.





1 FENTON MAIN SUITE 300 **CARY, NC 27511** PHONE: (919) 468-0112

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<u> </u>	FOR CONSTRUCTION	EDNA	10/29/2024
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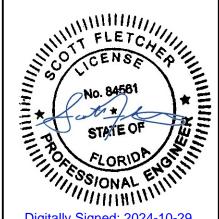
ATC SITE NUMBER: 2544 ATC SITE NAME:

**ELLISVILLE FL** 

VERIZON SITE NAME:

**ELLISVILLE A** 

SITE ADDRESS: US HIGHWAY 41 LAKE CITY.FL 32025



Digitally Signed: 2024-10-29



ATC JOB NO: 14859902\_G0 CUSTOMER ID: ELLISVILLE A CUSTOMER #: 5000077929

**GROUNDING DETAILS** 

SHEET NUMBER:

E-501





Colliers Engineering & Design 5141 Virginia Way, Suite 420 Brentwood, TN 37027 615.686.2575 elizabeth.myers@collierseng.com

# Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10252782 Colliers Engineering & Design Project #: 21941217A (Rev.3)

September 27, 2024

<u>Site Information</u> Site ID: 5000077929-VZW / ELLISVILLE - A

Site Name: ELLISVILLE - A Carrier Name: Verizon Wireless

Address: 13672 S Us Highway 441

Lake City, Florida 32025 Columbia County

Latitude: 30.00277778° Longitude: -82.59925000°

<u>Structure Information</u> Tower Type: Self Support

Mount Type: 12.50-Ft Sector Frame

FUZE ID # 16500138

#### **Analysis Results**

Sector Frame: 52.6% Pass w/ Hardware Upgrades\*

\* Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.

\*\*\*Contractor PMI Requirements:
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Selene Chen



Mount Structural Analysis Report (3) 12.50-Ft Sector Frames September 27, 2024 Site ID: 5000077929-VZW/ELLISVILLE - A

#### Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice	Mount Pipe	s Excluded	Mount Pipes Included		
Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	
0	15.3	10.7	24.4	19.9	
0.5	24.0	18.0	36.9	30.9	
1	31.9	24.7	48.7	41.5	

#### Notes

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

#### Requirements:

The existing mounts will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

Contractor shall install OVP on a new 48" long P2 SCH40 pipe connected to the welded tabs of the Beta sector standoff.

Contractor shall record all dimensions and member sizes requested in the Mount Geometry Verification Requirements section of the Mount Analysis report. Contractor shall provide the requested information to Colliers Engineering & Design for structural verification while on site. Contact EOR if these documents are not available to the general contractor.

Contractor shall inspect climbing facilities and safety climb, if present, and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

### Attachments:

- 1. Contractor Required Post Installation Inspection (PMI) Report Deliverables
- 2. Antenna Placement Diagrams
- 3. Mount Photos
- 4. Desktop Mount Mapping Form (for reference only)
- 5. Analysis Calculations

SUPPLEMENTAL

SHEET NUMBER:

R-601

1 |

REVISION:

MOUNT ANALYSIS