

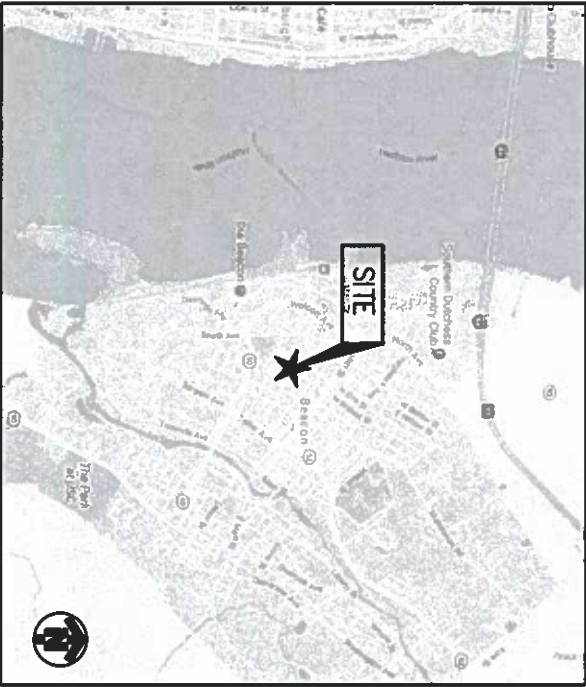
SHEET INDEX

DRIVING DIRECTIONS

FROM BRIDGE STREET:

- 1 HEAD SOUTHWEST ON BRIDGE ST TOWARD CELLAR DR
- 2 TURN LEFT ONTO NY-5 E-ERIE BLVD E
- 3 TURN LEFT ONTO NY-5 E-NY -92 E-E GENESEE ST
- 4 MERGE ONTO I-481 S VIA THE RAMP TO JAMESVILLE
- 5 TAKE THE EXIT TOWARD I-81 S
- 6 KEEP LEFT AT THE FORK AND MERGE ONTO I-81 S
- 7 SLIGHT LEFT ONTO I-86 E
- 8 CONTINUE ONTO NY-17 E
- 9 TAKE EXIT 121E TO MERGE ONTO I-84 E TOWARD NEWBURGH
- 10 TAKE THE EXIT TOWARD NEW YORK RD S-N RD
- 11 TURN RIGHT ONTO NEW YORK RD S-N RD
- 12 CONTINUE TO FOLLOW NEW YORK RD S
- 13 TURN LEFT ONTO MAIN ST
- 14 TAKE THE 1ST RIGHT ONTO SOUTH AVE
- 15 TAKE THE 3RD LEFT ONTO ROXBURY AVE
- 16 DESTINATION WILL BE ON THE RIGHT AT I-59 ROXBURY AVE
- 17 BEACON, NY 12508

VICINITY MAP



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PROJECT:

LTE 5C/6C

SITE NAME

DBS - BEACON

USID

95559

AT&T FA NUMBER:

10123715

SITE ADDRESS

139 ROMBOUT AVENUE
BEACON, NY 12508

STRUCTURE TYPE

GUYED TOWER

GENERAL NOTES

- HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED.
- FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.
- FACILITY HAS NO PLUMBING.
- THIS FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS.
- ALL NEW MATERIAL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. EQUIPMENT, ANTENNAS/RRH AND CABLES FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
- THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON STORMWATER DRAINAGE.
- NO SANITARY SEWER, POTABLE WATER, OR TRASH DISPOSAL SERVICE IS REQUIRED
- NO COMMERCIAL SIGNAGE IS PROPOSED

SCOPE OF WORK

EQUIPMENT ROOM:

- (1) POWER PLANT
- (1) 4BY CONVERTER
- (1) BATTERY DISCONNECT
- (2) DUS

INSTALL:

- (2) DC POWER CABLES & (1) FIBER CABLE
- (1) FIBER TRAY
- (1) FIBER MANAGEMENT BOX
- (1) DC-12
- (3) 20 AMP BREAKERS
- (4) 25 AMP BREAKERS
- (1) EMERSON 721 POWER PLANT
- (2) BB 5216 (SWAP BOTH DUS)
- (1) IDLE CABLE
- (1) XMU
- (1) BB 6630 W/ CHASSIS
- (1) FIF RACK
- (1) GPS SPLITTER
- (1) CABLE PORT
- (1) BATTERY RACK WITH (24) BATTERIES

TOWER:

INSTALL:

- (1) RRUS SLED MOUNT
- (3) RRUS-32 B30
- (1) SQUID
- (3) RRH-4478 B5

NOTE: IF UNITS CONSOLIDATION IS REQUIRED (TMA SWAP OR OTHERWISE) THEN BYPASS THE RXMT, IF NEEDED.

PROJECT SUMMARY

<u>SITE NAME:</u>	DBS - BEACON
<u>AI&T FA SITE NUMBER:</u>	10123715
<u>USID:</u>	95559
<u>SITE ADDRESS:</u>	139 ROUNDBOUT AVENUE BEACON, NY 12508
<u>COUNTY:</u>	DUTCHESS
<u>SITE COORDINATES:</u>	
<u>LATITUDE:</u>	41.5039000° N (NAD 83)
<u>LONGITUDE:</u>	73.9799000° W (NAD 83)
<u>GROUND ELEV:</u>	138 ± (AMS.)
<u>RAIL CENTER:</u>	50 ± & 58 ± (AGL)
<u>JURISDICTION:</u>	CITY OF BEACON
<u>APPLICANT:</u>	AT&T MOBILITY CORP. 5841 BRIDGE STREET EAST STRAUSSE, NY 13057

PROJECT TEAM INFORMATION

CLIENT REPRESENTATIVE: ATMOSMITH DEVELOPMENT INC.
32 CLINTON STREET
SARATOGA SPRINGS, NY 12866
(518) 306-3740

ENGINEER: INFINICITY
1033 WATERULET SHAKER ROAD
ALBANY, NY 12205
(518) 690-0790

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED WITH ANY LOCAL AMENDMENTS BY THE LOCAL GOVERNING AUTHORITIES:

- 2015 INTERNATIONAL BUILDING CODE
- 2014 NATIONAL ELECTRICAL CODE
- 2012 NATIONAL FIRE PROTECTION ASSOCIATION 101
- 2012 NATIONAL FIRE PROTECTION ASSOCIATION 1
- LOCAL BUILDING CODES
- CITY/COUNTY ORDINANCES
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS (AISC)
- UNDERWRITERS LABORATORIES APPROVED ELECTRICAL PRODUCTS.
- ANSI E9/71A 222 REV. 6
- TA 807
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS 81
- IEEE C2 (LATEST EDITION)
- TELCORDIA GR-1275
- ANSI T1.311



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UNDERGROUND FACILITIES BEFORE YOU
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BOROUGH), CALL 800 AREA 1 NEW YORK
TOLL FREE: 1-800-862-7862 OR
WWW.digalert1newyork.com

NEW YORK STATE
REQUIRES MIN OF 2
WORKING DAYS NOTICE
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INFINIGY®

**1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793**

DBS - BEACON
FA#: 10123715

Prepared For:



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Drawing Seal
AS NOTED

Date: _____

08/23/18

Drawing The

TITLE SHEET

Drawing Number

11

GENERAL NOTES

PART 1 – GENERAL REQUIREMENTS

- 1.1 THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
A. OR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
B. OR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
C. NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE – "NEC"),
D. AND NFPA 101 (LIFE SAFETY CODE).
E. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM),
F. INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE).
- 1.2 DEFINITIONS:
A. WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
B. COMPANY: AT&T CORPORATION
C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E". THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
D. CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR, INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
E. THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.
- 1.3 POINT OF CONTACT: COMMUNICATION BETWEEN THE COMPANY AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE COMPANY SITE DEVELOPMENT SPECIALIST OR OTHER PROJECT COORDINATOR APPOINTED TO MANAGE THE PROJECT FOR THE COMPANY.
- 1.4 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.
- 1.5 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES, AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.
- 1.6 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.
- 1.7 NOTICE TO PROCEED:
A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED.
B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE AT&T WITH AN OPERATIONAL WIRELESS FACILITY.

PART 2 – EXECUTION

- 2.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE: PORTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSONS OR SITE OWNERS UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.
- 2.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.
- 2.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HEREWITH, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.

- 2.4 COMPANY FURNISHED MATERIAL AND EQUIPMENT: ALL HANDLING, STORAGE AND INSTALLATION OF COMPANY FURNISHED MATERIAL AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
A. CONTRACTOR SHALL PROCURE ALL OTHER REQUIRED WORK RELATED MATERIALS NOT PROVIDED BY AT&T TO SUCCESSFULLY CONSTRUCT A WIRELESS FACILITY.
- 2.5 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.
- 2.6 EXISTING CONDITIONS: NOTIFY THE COMPANY REPRESENTATIVE OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

PART 3 – RECEIPT OF MATERIAL & EQUIPMENT

- 3.1 RECEIPT OF MATERIAL AND EQUIPMENT: CONTRACTOR IS RESPONSIBLE FOR AT&T PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
A. ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
B. VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
C. TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
D. RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO AT&T OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
E. PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
F. COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.

PART 4 – GENERAL REQUIREMENTS FOR CONSTRUCTION

- 4.1 CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.
- 4.2 EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.
- 4.3 CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
A. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
B. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.
- 4.4 CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION.

PART 5 – TESTS AND INSPECTIONS

- 4.5 CONDUCT TESTING AS REQUIRED HEREIN.
- 5.1 TESTS AND INSPECTIONS:
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
B. CONTRACTOR SHALL COORDINATE TEST AND INSPECTION SCHEDULES WITH COMPANY'S REPRESENTATIVE WHO MUST BE ON SITE TO WITNESS SUCH TESTS AND INSPECTIONS.
C. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
D. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE; EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
E. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.
F. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS.
G. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.

PART 6 – TRENCHING AND BACKFILLING

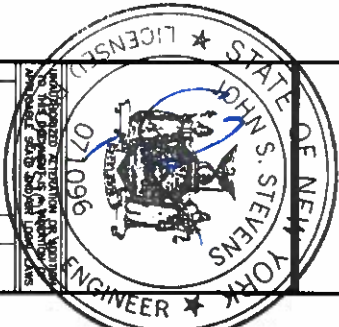
- 6.1 TRENCHING AND BACKFILLING: THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND OF WHATEVER SUBSTANCES ENCOUNTERED, TO THE DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS OTHERWISE SPECIFIED.
A. PROTECTION OF EXISTING UTILITIES: THE CONTRACTOR SHALL CHECK WITH THE LOCAL UTILITIES AND THE RESPECTIVE UTILITY LOCATOR COMPANIES PRIOR TO STARTING EXCAVATION OPERATIONS IN EACH RESPECTIVE AREA TO ASCERTAIN THE LOCATIONS OF KNOWN UTILITY LINES. THE LOCATIONS, NUMBER AND TYPES OF EXISTING UTILITY LINES DETAILED ON THE CONSTRUCTION DRAWINGS ARE APPROXIMATE AND DO NOT REPRESENT EXACT INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL LINES DAMAGED DURING EXCAVATION AND ALL ASSOCIATED OPERATIONS. ALL UTILITY LINES UNCOVERED DURING THE EXCAVATION OPERATIONS, SHALL BE PROTECTED FROM DAMAGE DURING EXCAVATION AND ASSOCIATED OPERATIONS. ALL REPAIRS SHALL BE APPROVED BY THE UTILITY COMPANY.
B. HAND DIGGING: UNLESS APPROVED IN WRITING OTHERWISE, ALL DIGGING WITHIN AN EXISTING CELL SITE COMPOUND IS TO BE DONE BY HAND.
C. DURING EXCAVATION, MATERIAL SUITABLE FOR BACKFILLING SHALL BE STOCKPILED IN AN ORDERLY MANNER A SUFFICIENT DISTANCE FROM THE BANKS OF THE TRENCH TO AVOID OVERLOADING AND TO PREVENT SLIDES OR CAV-INS. ALL EXCAVATED MATERIALS NOT REQUIRED OR SUITABLE FOR BACKFILL SHALL BE REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
D. GRADING SHALL BE DONE AS MAY BE NECESSARY TO PREVENT SURFACE WATER FROM FLOWING INTO TRENCHES OR OTHER EXCAVATIONS, AND ANY WATER ACCUMULATING THEREIN SHALL BE REMOVED BY PUMPING OR BY OTHER APPROVED METHOD.
E. SHEETING AND SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. UNLESS OTHERWISE INDICATED, EXCAVATION SHALL BE BY OPEN CUT, EXCEPT THAT SHORT SECTIONS OF A TRENCH MAY BE TUNNELED IF, THE CONDUIT CAN BE SAFELY AND PROPERLY INSTALLED AND BACKFILL CAN BE PROPERLY TAMPED IN SUCH TUNNEL SECTIONS. EARTH EXCAVATION SHALL COMPRISE ALL MATERIALS AND SHALL INCLUDE CLAY, SILT, SAND, MUCK, GRAVEL, HARDPAN, LOOSE SHALE, AND LOOSE STONE.
F. TRENCHES SHALL BE OF NECESSARY WIDTH FOR THE PROPER LAYING OF THE CONDUIT OR CABLE, AND THE BANKS SHALL BE AS NEARLY VERTICAL AS PRACTICABLE. THE BOTTOM OF THE TRENCHES SHALL BE ACCURATELY GRADED TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF THE CONDUIT OR CABLE ON UNDISTURBED SOIL AT EVERY POINT ALONG ITS ENTIRE LENGTH. EXCEPT WHERE ROCK IS ENCOUNTERED, CARE SHALL BE TAKEN NOT TO EXCAVATE BELOW THE DEPTHS INDICATED. WHERE ROCK EXCAVATIONS ARE NECESSARY, THE ROCK SHALL BE EXCAVATED TO A MINIMUM OVER DEPTH OF 6 INCHES BELOW THE TRENCH DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR SPECIFIED. OVER DEPTHS IN THE ROCK EXCAVATION AND UNAUTHORIZED OVER DEPTHS SHALL BE THOROUGHLY BACK FILLED AND TAMPED TO THE APPROPRIATE GRADE. WHENEVER WET OR OTHERWISE UNSTABLE SOIL THAT IS INCAPABLE OF PROPERLY SUPPORTING THE CONDUIT OR CABLE IS ENCOUNTERED IN THE BOTTOM OF THE TRENCH, SUCH SOILD SHALL BE REMOVED TO A MINIMUM OVER DEPTH OF 6 INCHES AND THE TRENCH BACKFILLED TO THE PROPER GRADE WITH EARTH OF OTHER SUITABLE MATERIAL, AS HEREINAFTER SPECIFIED.
6. BACKFILLING OF TRENCHES: TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL SPECIFIED TESTS HAVE BEEN PERFORMED AND ACCEPTED. WHERE COMPACTED BACKFILL IS NOT INDICATED THE TRENCHES SHALL BE CAREFULLY BACKFILLED WITH SELECT MATERIAL SUCH AS EXCAVATED SOILS THAT ARE FREE OF ROOTS, SOO, RUBBISH OR STONES, DEPOSITED IN 6 INCH LAYERS AND THOROUGHLY AND CAREFULLY RAMMED UNTIL THE CONDUIT OR CABLE HAS A COVER OF NOT LESS THAN 1 FOOT. THE REMAINDER OF THE BACKFILL MATERIAL SHALL BE GRANULAR IN NATURE AND SHALL NOT CONTAIN ROOTS, SOO, RUBBING, OR STONES OF 2-1/2 INCH MAXIMUM DIMENSION. BACKFILL SHALL BE CAREFULLY PLACED IN THE TRENCH AND IN 1 FOOT LAYERS AND EACH LAYER TAMPED. SETTLING THE BACKFILL WITH WATER WILL BE PERMITTED. THE SURFACE SHALL BE GRADED TO A REASONABLE UNIFORMITY AND THE MOUNDING OVER THE TRENCHES LEFT IN A UNIFORM AND NEAT CONDITION.

LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	NON-FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	SURFACE MOUNTED PANEL BOARD
	TRANSFORMER
	KILOWATT HOUR METER
	JUNCTION BOX
	PULL BOX TO NEC/TELCO STANDARDS
	UNDERGROUND UTILITIES
	EXOTHERMIC WELD CONNECTION
	MECHANICAL CONNECTION
	GROUND ROD
	GROUND ROD WITH INSPECTION SLEEVE
	GROUND BAR
	120AC DUPLEX RECEPTACLE
	GROUND CONDUCTOR
	DC POWER AND FIBER OPTIC TRUNK CABLES
	DC POWER CABLES
	REPRESENTS DETAIL NUMBER
	REF. DRAWING NUMBER

ABBREVIATIONS

CIGBE	COAX ISOLATED GROUND BAR EXTERNAL
MGB	MASTER ISOLATED GROUND BAR
SST	SELF SUPPORTING TOWER
GPS	GLOBAL POSITIONING SYSTEM
TYP.	TYPICAL
DWG	DRAWING
BCW	BARE COPPER WIRE
BFG	BELOW FINISH GRADE
PVC	POLYVINYL CHLORIDE
CAB	CABINET
C	CONDUIT
SS	STAINLESS STEEL
G	GROUND
AWG	AMERICAN WIRE GAUGE
RGS	RIGID GALVANIZED STEEL
AHU	AUTHORITY HAVING JURISDICTION
TLNA	TOWER TOP LOW NOISE AMPLIFIER
UNO	UNLESS NOTED OTHERWISE
EMT	ELECTRICAL METALLIC TUBING
AGL	ABOVE GROUND LEVEL



INFINIGY
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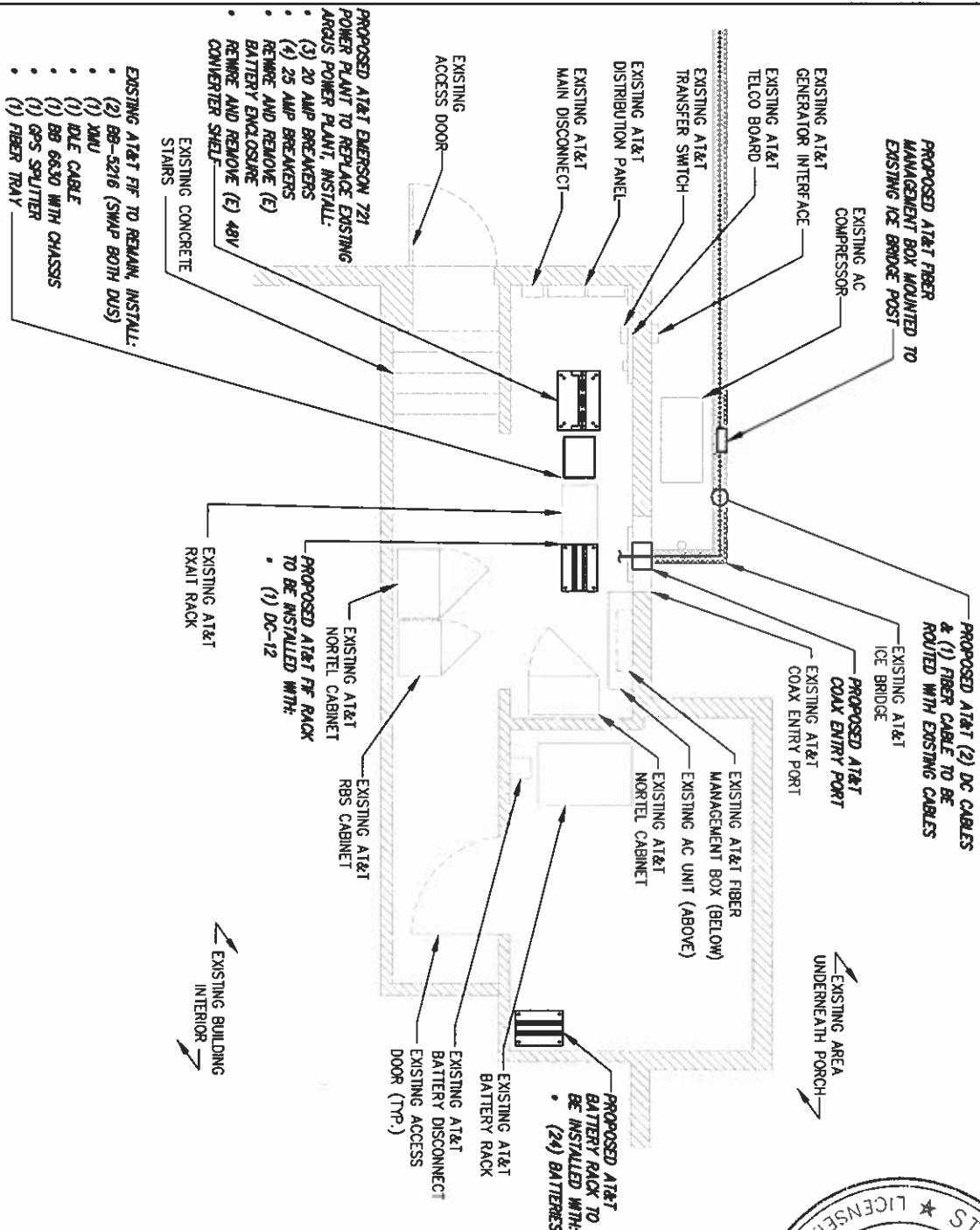
139 ROUNDBOUT AVE
BEACON, NY 12508
DBS - BEACON
FA#: 10123715

Project Number	399-000
Project Title	
Drawn: 398	Date: 08/22/08
Designed: 398	Date: 08/22/08
Checked: 398	Date: 08/22/08

GENERAL NOTES AND LEGEND

Drawing Number
C1

***NOTE:**
IF UNITS CONSOLIDATION IS REQUIRED
(TMA SWAP OR OTHERWISE) THEN
BYPASS THE RXAUT, IF NEEDED.



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Project Title

DBS - BEACON
FA#: 10123715

139 ROMBOUT AVE
BEACON, NY 12508

ISSUED FOR REVIEW	SUB	04/23/18
Submitted / Revision	April	Days
Drawn: <u>SJA</u>	Date: <u>04/23/18</u>	
Designed: <u>JLS</u>	Date: <u>04/23/18</u>	
Checked: <u>WCS</u>	Date: <u>04/23/18</u>	

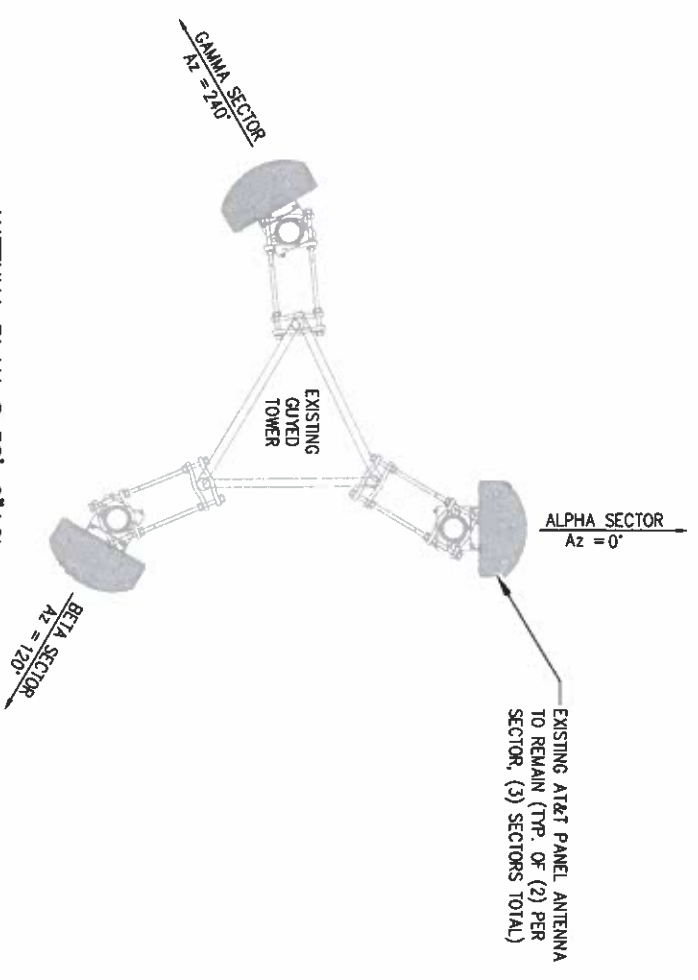
Project Number 395-000

Drawing Title
**OVERALL &
ENLARGED
SITE PLAN**

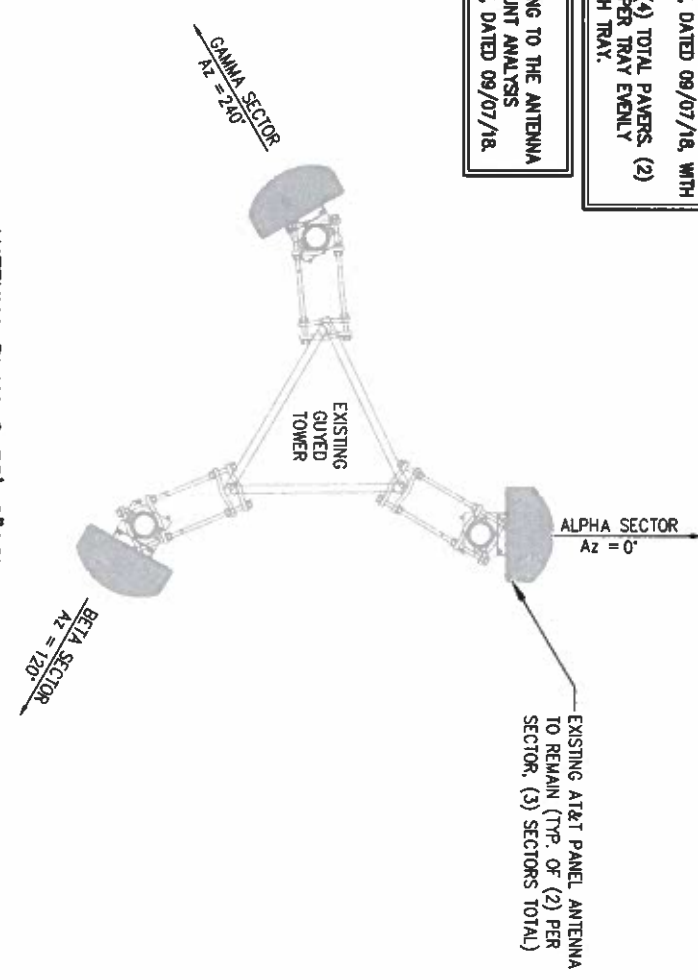
2

NOTE:
FOR MORE INFORMATION PERTAINING TO THE TOWER
STRUCTURE, REFER TO PASSING "STRUCTURAL ANALYSIS
REPORT," COMPLETED BY INFINIGY, DATED 09/07/18, WITH
THE FOLLOWING CONTINGENCY:
• BALLAST FRAME SHALL HAVE (4) TOTAL PAVERS, (2)
• PAVERS SHALL BE INSTALLED PER TRAY EVENLY
DISTRIBUTED THROUGHOUT EACH TRAY.

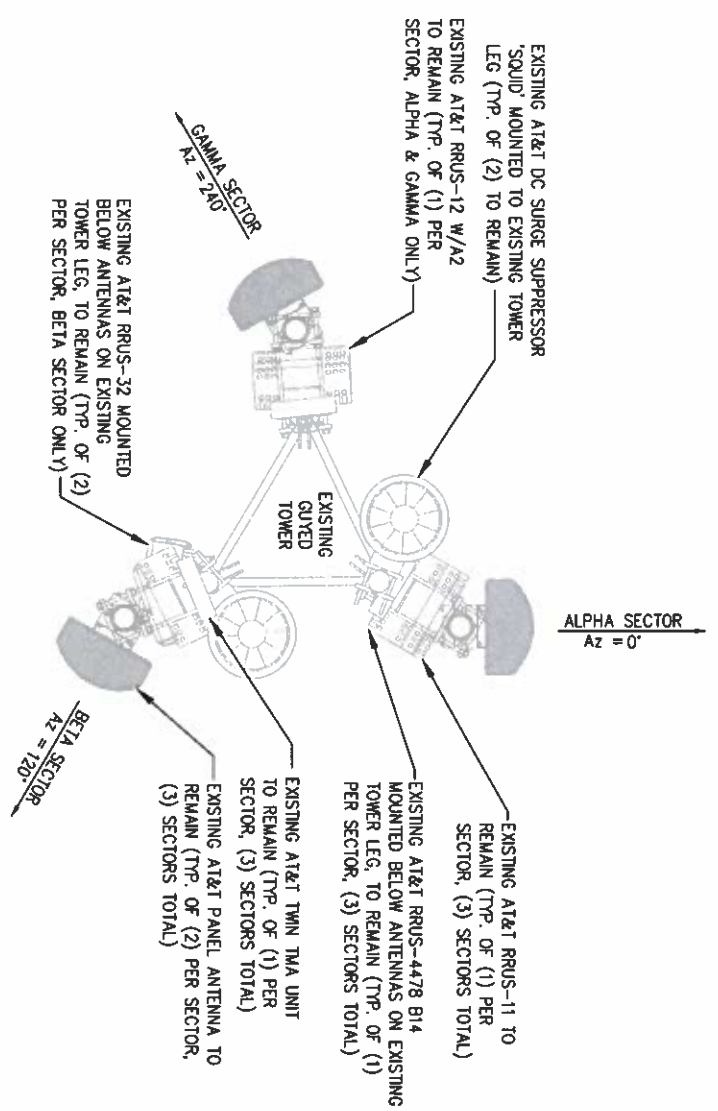
NOTE:
FOR MORE INFORMATION PERTAINING TO THE ANTENNA
MOUNTS, REFER TO PASSING "MOUNT ANALYSIS
REPORT," COMPLETED BY INFINIGY, DATED 09/07/18.



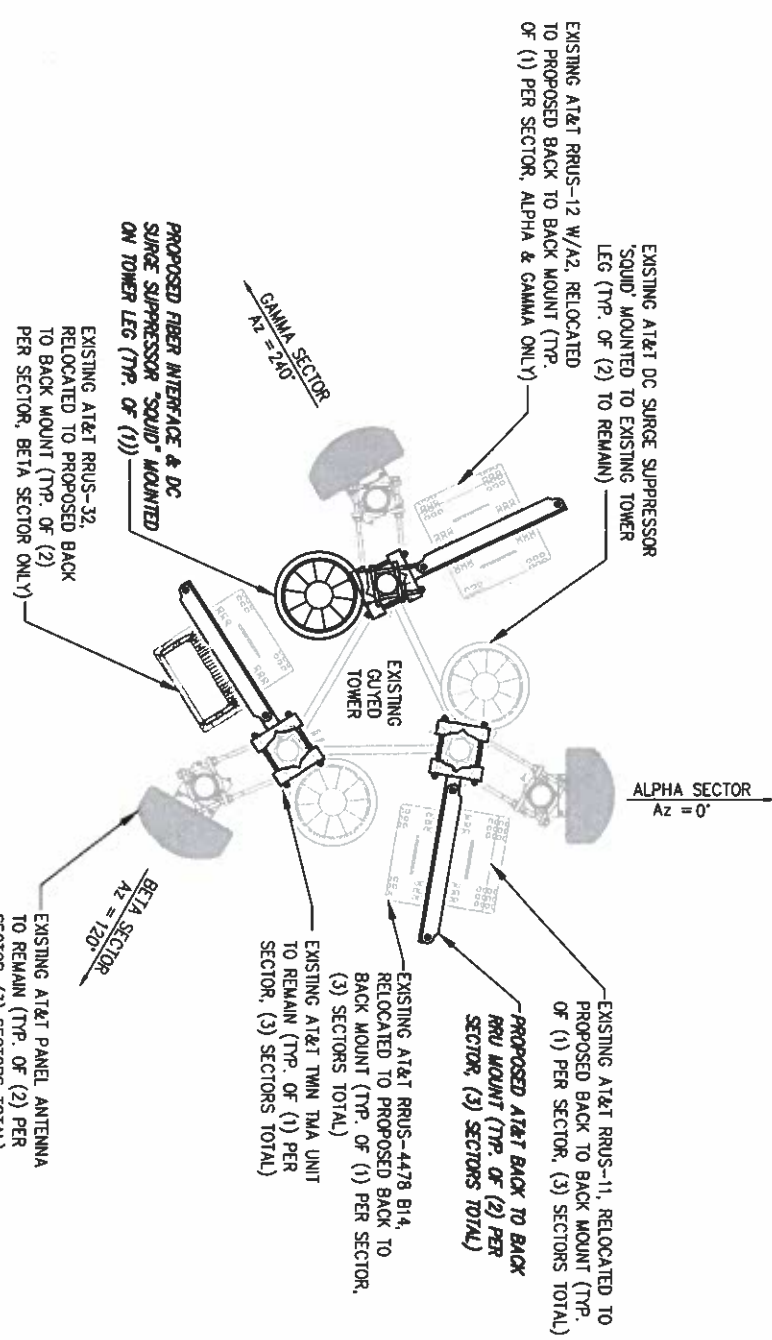
ANTENNA PLAN @ 58'-0" AGL



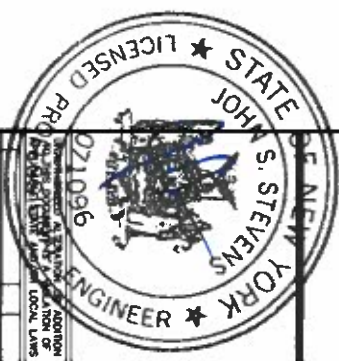
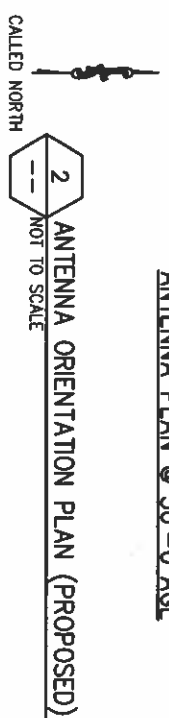
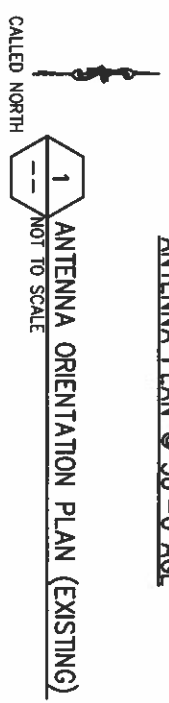
ANTENNA PLAN @ 58'-0" AGL



ANTENNA PLAN @ 50'-0" AGL



ANTENNA PLAN @ 50'-0" AGL



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Office # (518) 690-0790
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139 ROMBOUT AVE
BEACON, NY 12508
DBS BEACON
FA#: 10123715

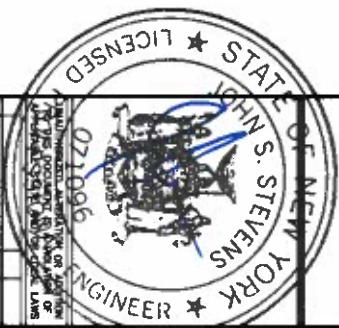
Project Number 395-000
Drawing Title
Designed: JES Date: 08/23/18
Checked: JES Date: 08/23/18

Drawing Title
**ANTENNA
ORIENTATION
PLAN**

NOTE:
FOR MORE INFORMATION PERTAINING TO THE TOWER STRUCTURE, REFER TO PASSING "STRUCTURAL ANALYSIS REPORT," COMPLETED BY INFINIGY, DATED 09/07/18, WITH THE FOLLOWING CONTINGENCY:
• BALAST FRAME SHALL HAVE (4) TOTAL PAVERS, (2) PAVERS SHALL BE INSTALLED PER TRAY EVENLY DISTRIBUTED THROUGHOUT EACH TRAY.

NOTE:
FOR MORE INFORMATION PERTAINING TO THE ANTENNA MOUNTS, REFER TO PASSING "MOUNT ANALYSIS REPORT," COMPLETED BY INFINIGY, DATED 09/07/18.

INFINIGY
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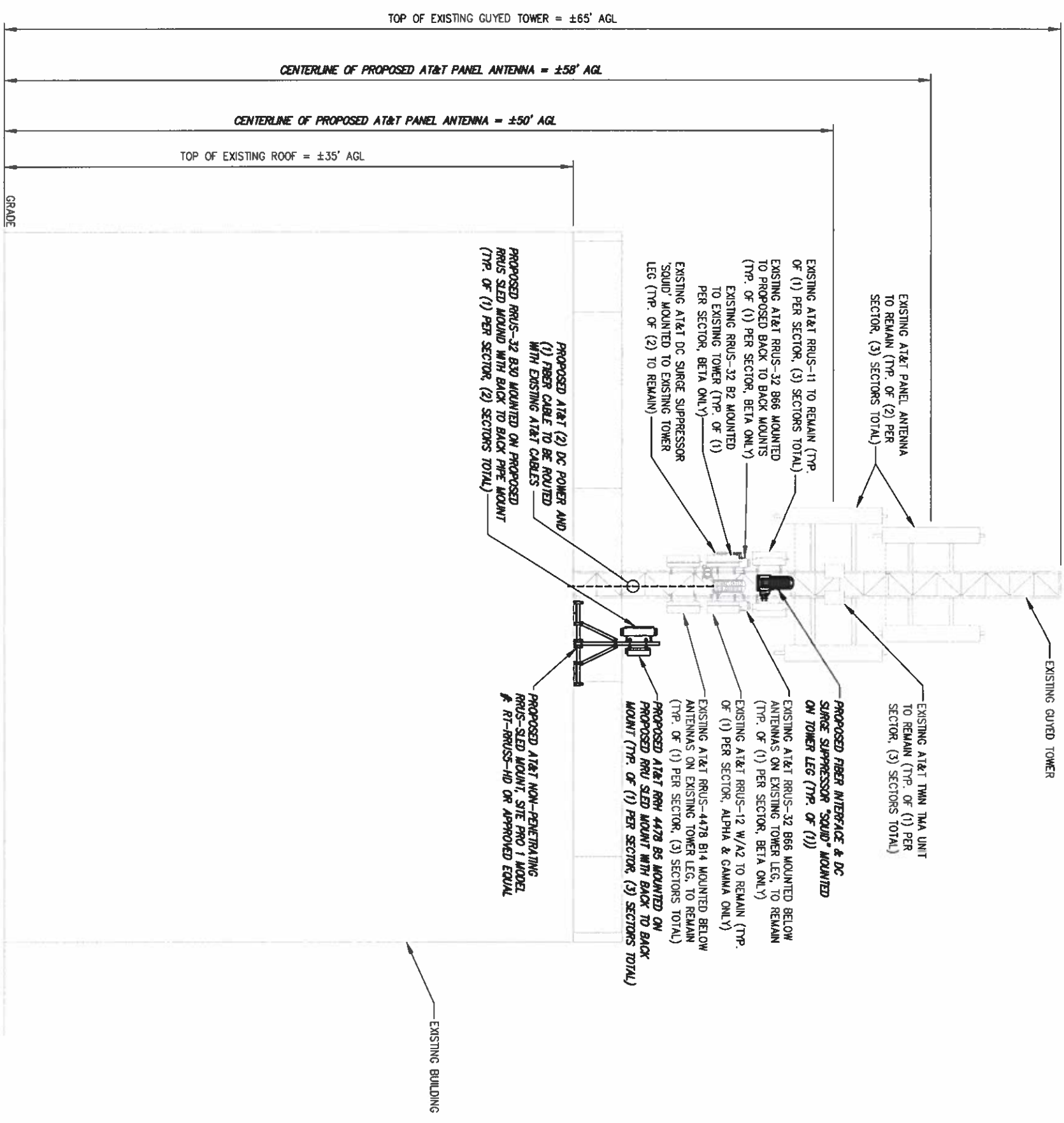
Drawn:	SSG	Date:	08/23/18
Designed:	SSG	Date:	08/23/18
Checked:	SSG	Date:	08/23/18
Project Number	285-000		

DBS - BEACON
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Drawing Title
ELEVATION VIEW
Drawing Number
C4



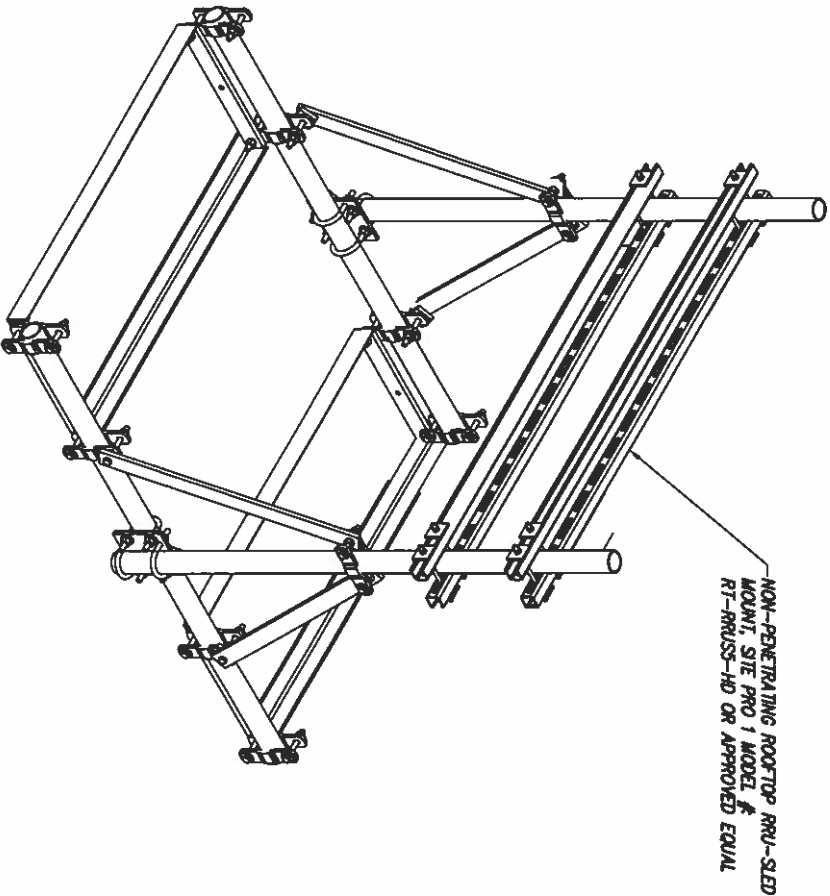
1 SITE ELEVATION
NOT TO SCALE

FINAL ANTENNA CONFIGURATION						
SECTOR	BAND	ANTENNA	ANTENNA DIMENSIONS HxWxD	ANTENNA CENTERLINE	AZIMUTH	TMA / RRU
ALPHA	LTE 700/850/WCS	(1) EPBQ-654L8H8-L2 (E)	96.0"x21.0"x6.3"	58'-0"±	0°	(1) RRH-4478 B14 (E) / (1) RRH-4478 B5 (P) / (1) RRUS-32 B30 (P)
	L700/UMTS 850/1900 (1)	SBLAH4-1D65C-DL (E)	96.4"x11.9"x7.1"	50'-0"±	0°	(1) RRH-11 B12 (E) / (1) RRH-12+A2 (E) / (1) E15Z01P13 (E)
BETA	LTE 700/850/WCS	(1) EPBQ-654L8H8-L2 (E)	96.0"x21.0"x6.3"	58'-0"±	120°	(1) RRH-4478 B14 (E) / (1) RRH-32 B66 (E) / (1) RRH-32 B2 (E) / (1) RRH-4478 B5 (P)
	L700/UMTS 850/1900 (1)	SBLAH4-1D65C-DL (E)	96.4"x11.9"x7.1"	50'-0"±	120°	(1) RRUS-11 B12 (E) / (1) E15Z01P13 (E) / (1) RRUS-32 B30 (P)
GAMMA	LTE 700/850/WCS	(1) EPBQ-654L8H8-L2 (E)	96.0"x21.0"x6.3"	58'-0"±	240°	(1) RRH-4478 B14 (E) / (1) RRH-4478 B5 (P) / (1) RRUS-32 B30
	L700/UMTS 850/1900 (1)	SBLAH4-1D65C-DL (E)	96.4"x11.9"x7.1"	50'-0"±	240°	(1) RRUS-11 B12 (E) / (1) RRUS-12+A2 (E) / (1) E15Z01P13 (E)

JUMPER NOTES:
**FIBER JUMPERS (2) PER SECTOR, (1) FROM THE SQUID TO THE RRU (TOTAL OF 6).
SINGLE PAIR POWER CABLE, #12 SIZE FROM SQUID TO EACH RRU.
*COAX JUMPERS (4) PER SECTOR, (2) FROM THE RRU (TOTAL OF 12)

RF DESIGN NOTE:
THIS ANTENNA AND CABLE SCHEDULE HAS BEEN CREATED USING THE FOLLOWING ATRAT RDS
DATED: 09/29/18. ALL ANTENNA DESIGN, ZONING, STRUCTURAL ANALYSIS PERMITS AND
COMPLIANCE SUBMISSIONS ARE COORDINATED WITH THE AFOREMENTIONED DOCUMENT.

1 RF CHART
SCALE: NOT TO SCALE

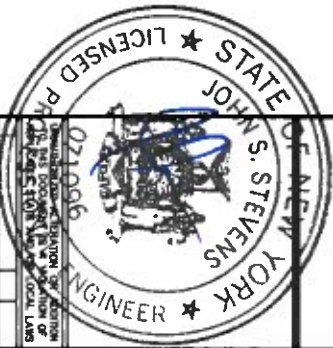


2 DETAIL NOT USED
NOT TO SCALE

3 RRUS SLED MOUNT DETAIL
NOT TO SCALE

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ISSUED FOR REVIEW	SD	09/23/18
Submitted / Revision	Rev	Date

Drawn: SD Date: 09/23/18
Designed: JRS Date: 09/23/18
Checked: JRS Date: 09/23/18

Project Number 395-000

Project Title

DBS - BEACON
FA#: 10123715

139 ROMBOUT AVE
BEACON NY 12508

Prepared For



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Drawing Scale:
AS NOTED

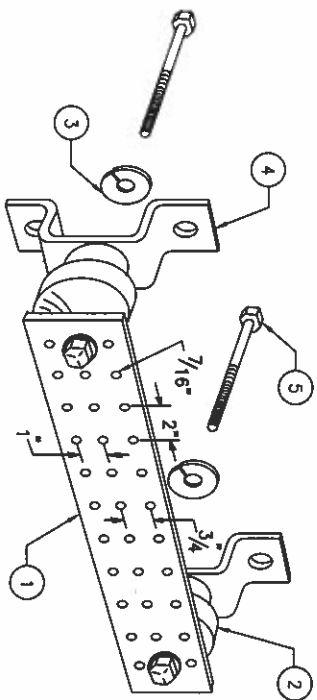
Date:
09/23/18

Drawing Title

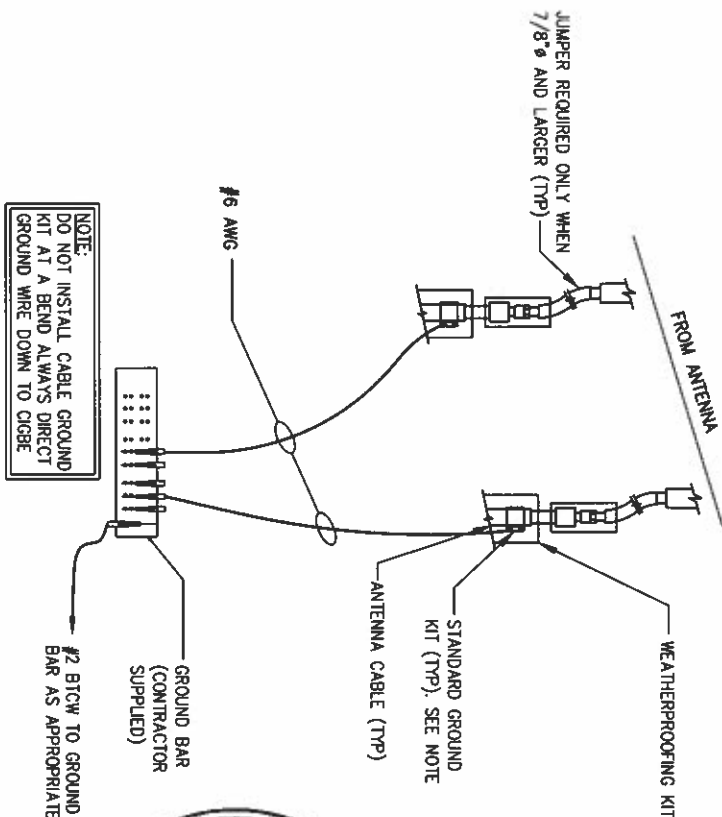
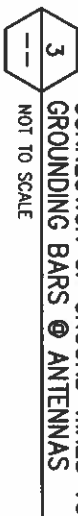
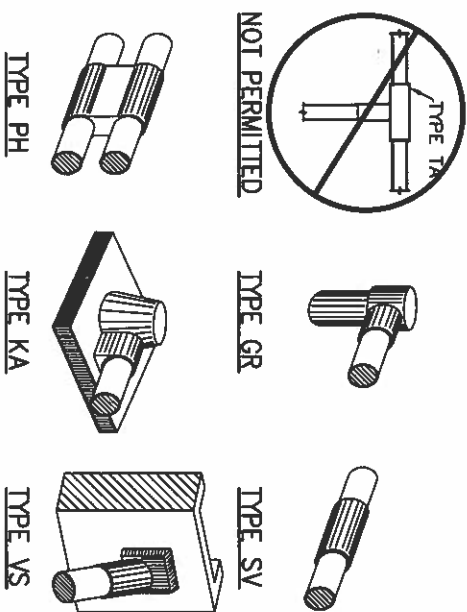
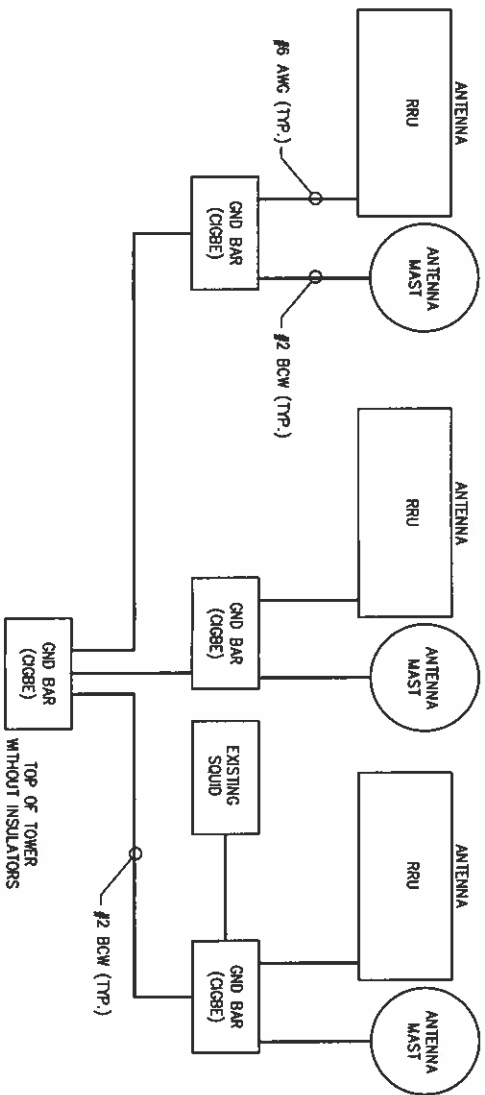
RF
SCHEDULE

Drawing Number

C5



- LEGEND
- 1 - SOLID TINNED COPPER GROUND BAR, 1/4"x 4"x 20" MIN., NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
 - 2 - INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4
 - 3 - 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
 - 4 - WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056
 - 5 - 5/8-11 X 1" H.H.C.S. BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012-1
 - 6 - GROUND BAR SHALL BE SIZED TO ACCOMMODATE ALL GROUNDING CONNECTIONS REQUIRED PLUS PROVIDE 50% SPARE CAPACITY
 - 7 - GROUND BARS SHALL NEITHER BE FIELD FABRICATED NOR NEW HOLES DRILLED
 - 8 - GROUND LUGS SHALL MATCH THE HOLE SPACING ON THE BAR
 - 9 - HARDWARE DIAMETER SHALL BE MINIMUM 3/8"



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Drawn: <u>SSG</u> Date: <u>08/23/18</u>
Designed: <u>SSG</u> Date: <u>08/23/18</u>
Checked: <u>SSG</u> Date: <u>08/23/18</u>
Project Number: <u>385-000</u>
Project Title: <u>DBS - BEACON</u>

DBS - BEACON
FA#: 10123715
139 ROXBOUT AVE
BEACON, NY 12508



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Drawing Scale: <u>AS NOTED</u>
Date: <u>08/23/18</u>
Drawing Title: <u>GROUNDING DETAILS</u>