

# ANDERSON & KREIGER LLP

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**BRIAN S. GROSSMAN**

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T: 617-621-6582

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October 6, 2014

Zoning Board of Adjustment  
City of Rochester  
31 Wakefield Street  
Rochester, NH 03867

RE:   Applicant:           New Cingular Wireless PCS, LLC (“AT&T”)  
      Property Owner:     Matthew G. Scruton  
      Property:           144 Meaderboro Road, Rochester, New Hampshire  
                             Parcel ID 232-16-3 (the “Property”)  
      Petition:           (1) Special Exception for a Wireless Communications Facility  
                             pursuant to Section 42.14(D)(4), Section 42.23(a)(1), and Section  
                             42.23(c)(27), of the Ordinance; and  
                             (2) Any other relief required within the jurisdiction of the Zoning  
                             Board of Adjustment (All relief is requested if and to the extent  
                             necessary, all rights reserved under the Federal  
                             Telecommunications Act of 1996 (“TCA”) and otherwise).

Dear Board Members:

In support of its application under the applicable provisions of the City of Rochester Zoning Ordinance (the “Ordinance”), the New Hampshire Revised Statutes and the Federal Telecommunications Act of 1996, New Cingular Wireless PCS, LLC (“AT&T”) provides the following supplemental information to the City of Rochester Zoning Board of Adjustment (the “Board”) for the above-captioned zoning relief to construct, operate and maintain a Wireless Communication Facility (the “Facility”) on property located at 144 Meaderboro Road, Rochester, New Hampshire (the “Property”):

- **Exhibit 1:** Site Plans for an Alternate Location of the Property

For the reasons set forth in AT&T’s initial application letter, dated March 19, 2014, as well as its Motion for Rehearing AT&T’s proposed facility complies with the criteria for the grant of the requested special exception. However, in order to address concerns raised by members of the public concerning the proposed location of the Facility, in particular the proximity to the cemetery and Meaderboro Road, AT&T investigated whether an alternate location on the Property is both available and feasible. Submitted

herewith are site plans depicting a potential alternate location on the Property for AT&T's proposed Facility.

The alternate location on the Property is setback significantly from Meaderboro Road. As depicted on the plans and the satellite view submitted herewith (see Exhibit 2), the proposed location is located in the undeveloped portion of the Property. As depicted on the plans, the proposed 12' wide access road access would follow an existing path around the existing pasture and continuing beyond the tree line to the proposed location. Therefore, the alternate location would use the existing vegetation to screen the proposed compound and tower.

As discussed above, AT&T's Facility as proposed in the original location satisfies all of the criteria for the grant a condition of approval. However, if the Board determines that the proposed alternate location is preferable, AT&T would accept a condition of approval requiring the proposed Facility to be constructed in the alternate location.

- **Exhibit 2: Satellite photograph of the Property and the surrounding area**

Submitted as Exhibit 2 is a satellite photograph of the Property, including the approximate location of the alternate location, and the surrounding area. As demonstrated by the photograph, both the original and alternate locations are screened from view by existing vegetation on the Property. As evidenced by the photograph, the existing vegetation includes a number of evergreen trees that will provide screening throughout the year. In addition, while the deciduous trees will provide greater screening during the spring, summer and fall, they will continue to provide some screening during the winter months.

- **Exhibit 3: Photographs of the Property from Meaderboro Road**

Submitted as Exhibit 3 are photographs of the Property viewed from points along Meaderboro Road. As depicted in the photographs, the existing vegetation on and near the Property provide a significant amount of screening to both the original and alternate locations thereby minimizing any alleged visual impacts from the proposed Facility.

- **Exhibit 4: Supplemental Statement of Radio Frequency Engineer**

Attached as Exhibit 4 is a Supplemental Statement by AT&T's Radio Frequency Engineer, Ernesto Chua ("Supplemental Statement"). As demonstrated by AT&T's supporting materials submitted with the original application, as further augmented by the Supplemental Statement, the Facility is the only feasible location for AT&T to provide adequate coverage to the Targeted Coverage Area.

For the reasons set forth in AT&T's (i) original application and supporting materials, (ii) Motion for Rehearing, and (iii) this supplemental submittal and the supporting materials submitted herewith, AT&T respectfully requests the Board to grant the requested zoning relief required for the proposed Facility.

If I can provide any further information regarding this application, please let me know.

Sincerely,



Brian S. Grossman

Enclosures

cc: Kristen LeDuc (by email w/encl.)  
James Smalanskas (by email w/encl.)

# EXHIBIT 1

PLANNING BOARD APPROVAL:

AT A MEETING HELD ON \_\_\_\_\_, 20\_\_\_\_,  
THE CITY OF ROCHESTER PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
AND A COPY OF THE REVIEW COMMENTS IS ON FILE AT CITY HALL.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



SR# NH4125  
SITE NAME: 144 MEADERBORO ROAD

144 MEADERBORO ROAD  
ROCHESTER, NH 03867

FOR MORE INFORMATION ON THIS SITE PLAN  
PLEASE CONTACT NB&C, LLC AT 267-460-0122



SITE INFORMATION

SITE ADDRESS: 144 MEADERBORO ROAD  
ROCHESTER, NH 03867

LATITUDE (NAD 83): 43° 18' 46.06" N  
LONGITUDE (NAD 83): 71° 03' 15.74" W

GROUND ELEVATION: 532.0' (AMSL)

JURISDICTION: CITY OF ROCHESTER

ZONING DISTRICT: AGRICULTURAL

TAX MAP NUMBER: 232-16-3

PARCEL AREA: 35.1 ACRES

PARCEL OWNER: MATTHEW G. SCRUTON  
67 CAMELOT SHORE DRIVE  
FARMINGTON, NH 03835

STRUCTURE TYPE: MONOPOLE

STRUCTURE HEIGHT: 140.0' (AGL)

PROJECT TEAM

APPLICANT: AT&T MOBILITY CORPORATION  
550 COCHITUATE ROAD  
FRAMINGHAM, MA 01701

PROJECT MANAGEMENT FIRM: NETWORK BUILDING & CONSULTING, LLC.  
1777 SENTRY PARKWAY WEST  
DUBLIN HALL, SUITE 210  
BLUE BELL, PA 19422  
(267) 460-0122

ENGINEERING FIRM: NB&C ENGINEERING SERVICES, LLC.  
1777 SENTRY PARKWAY WEST  
DUBLIN HALL, SUITE 210  
BLUE BELL, PA 19422  
(267) 460-0122

VICINITY MAP



DIRECTIONS

FROM FRAMINGHAM, MA TAKE: I-90 E/MASSPIKE W/SPRINGFIELD/BOSTON. KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR INTERSTATE 90 E/INTERSTATE 95/MASSACHUSETTS TURNPIKE/BOSTON AND MERGE ONTO I-90 E/MASSACHUSETTS TURNPIKE. TAKE EXIT 14 FOR I-95 N TOWARD N.H. - MAINE. FOLLOW SIGNS FOR I-95 N/WALTHAM/PORTSMOUTH NH AND MERGE ONTO I-95 N. KEEP RIGHT TO STAY ON I-95 N, FOLLOW SIGNS FOR PORTSMOUTH NH. ENTERING NEW HAMPSHIRE. KEEP LEFT TO CONTINUE ON I-95. MERGE ONTO I-95 N. TAKE EXIT 4 ON THE LEFT TO MERGE ONTO NH-16 N/US-4 W TOWARD WHITE MTS. CONTINUE ONTO NH-16 N. TAKE EXIT 13 FOR U.S. 202 W TOWARD ROCHESTER/CONCORD. TURN LEFT ONTO WASHINGTON ST. TURN RIGHT ONTO ESTES RD. CONTINUE ONTO MEADERBORO RD. DESTINATION WILL BE ON THE LEFT

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2011 NATIONAL ELECTRICAL CODE
- 2009 IBC
- 2009 NFPA 101, LIFE SAFETY CODE
- NH STATE FIRE CODE-SAF-C6000
- 2009 IFC
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- TIA/EIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

T-1 TITLE SHEET

Z-1 SITE PLAN

C-1 COMPOUND PLAN & ELEVATION

C-2 CONSTRUCTION DETAILS & NOTES

C-3 GENERATOR DETAILS

A-1 ANTENNA MOUNTING PLAN & DETAILS

A-2 DETAILS

ATTACHMENTS:

S-1 ABUTTERS PLAN

S-2 EXISTING CONDITIONS

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPROVAL BLOCK

PROPERTY OWNER	DATE	<input type="checkbox"/>	APPROVED	<input type="checkbox"/>	APPROVED AS NOTED	<input type="checkbox"/>	DISAPPROVED/REVISE
SITE ACQUISITION	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONSTRUCTION MANAGER	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ZONING	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RF ENGINEER	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ENGINEER



APPLICANT



SITE INFORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

REVISIONS

REV	DATE	DESCRIPTION	BY
3	10/03/14	REVISED COMPOUND LOCATION	DAK
2	06/03/14	REVISED PER COMMENTS	DAK
1	05/27/14	UPDATED RF INFO	DAK
0	12/30/13	PRELIMINARY ZDs	DAK

DESIGN RECORD

PROFESSIONAL STAMP



ENGINEER

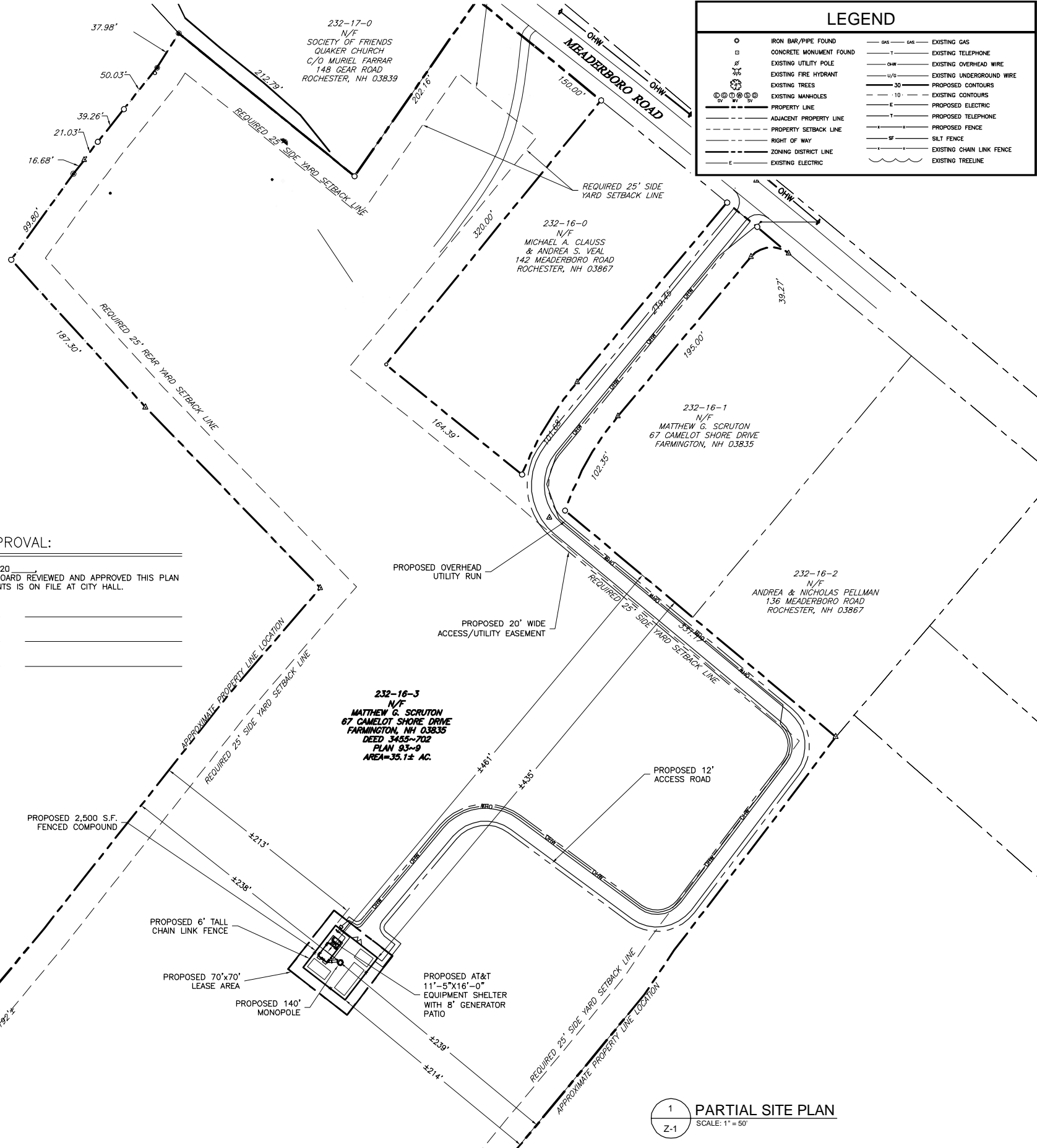
KRUPAKARAN KOLANDAIVELU P.E.  
VT PROFESSIONAL ENGINEER LIC. # 018.0086971  
ME PROFESSIONAL ENGINEER LIC. #12979  
NH PROFESSIONAL ENGINEER LIC. #13868

SHEET TITLE

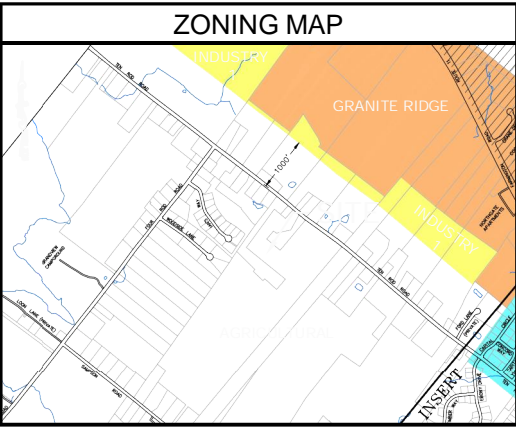
TITLE SHEET

SHEET NUMBER

T-1



LEGEND			
	IRON BAR/PIPE FOUND		EXISTING GAS
	CONCRETE MONUMENT FOUND		EXISTING TELEPHONE
	EXISTING UTILITY POLE		EXISTING OVERHEAD WIRE
	EXISTING FIRE HYDRANT		EXISTING UNDERGROUND WIRE
	EXISTING TREES		PROPOSED CONTOURS
	EXISTING MANHOLES		EXISTING ELECTRIC
	PROPERTY LINE		PROPOSED ELECTRIC
	ADJACENT PROPERTY LINE		PROPOSED TELEPHONE
	PROPERTY SETBACK LINE		PROPOSED FENCE
	RIGHT OF WAY		SILT FENCE
	ZONING DISTRICT LINE		EXISTING CHAIN LINK FENCE
	EXISTING ELECTRIC		EXISTING TREELINE



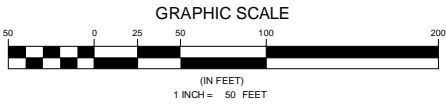
ZONING DATA		
ZONING DISTRICT:	AGRICULTURAL DISTRICT	
DIMENSION REQUIREMENTS	REQUIRED	PROPOSED
FRONT YARD SETBACK:	65'	N/A
SIDE YARD SETBACK:	25'	±213', 435', 214'
REAR YARD SETBACK:	25'	±181'
MAX. BLDG. HEIGHT:	35'	±10'
MIN. AREA:	2 AC.	±35.1 AC.
TOWER HEIGHT:	N/A	140'
TOWER SETBACK:	N/A	±238', 461', 239'
LOT COVERAGE:	N/A	±18,461 S.F.

#### SITE NOTES

- PROPERTY LINE INFORMATION WAS PREPARED USING DEEDS, TAX MAPS, PLANS OF RECORD AND PLANS ENTITLED SR#S4125 144 MEADERBORO RD. BY NORTHEAST SURVEY CONSULTANTS, DATED 12/20/2013 AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
- THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE MAJOR IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN AN AREA DESIGNATED AS OTHER FLOOD AREAS ZONE X (UNSHADED); AREA DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE FLOODPLAIN. COMMUNITY PANEL NO. 33014C 0195 D EFFECTIVE DATE: MAY 17, 2005.
- ALL BEARINGS SHOWN HEREON ARE ROTATED TO TRUE NORTH.
- UNDERGROUND UTILITIES OR IMPROVEMENTS, IF ANY AND NOT VISIBLE AT TIME OF SURVEY ARE NOT SHOWN.
- THIS SURVEY IS SUBJECT TO THE FINDINGS OF AN UP TO DATE ABSTRACT OF THE TITLE.
- THIS SURVEY PLAN IS FOR SITE PLAN/ENGINEERING PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR THE TRANSFER OF TITLE.
- THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
- THERE ARE NO NEW STREETS, CURBS, SIDEWALKS OR WALKWAYS PROPOSED.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.



STATE LAW REQUIRES THREE WORKING DAYS NOTICE PRIOR TO ANY EARTH MOVING ACTIVITIES



FOR MORE INFORMATION ON THIS SITE PLAN PLEASE CONTACT NB&C, LLC AT 267-460-0122

#### PLANNING BOARD APPROVAL:

AT A MEETING HELD ON \_\_\_\_\_, 20\_\_\_\_,  
THE CITY OF ROCHESTER PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
AND A COPY OF THE REVIEW COMMENTS IS ON FILE AT CITY HALL.

_____	_____
_____	_____
_____	_____

ENGINEER



NB+C ENGINEERING SERVICES, LLC.  
1777 SENTRY PARKWAY WEST  
DOUBIN HILL, SUITE 200  
BLUE BELLS, PA 19422  
(267) 460-0122

APPLICANT



SITE INFORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

DESIGN RECORD

#### REVISIONS

REV	DATE	DESCRIPTION	BY
3	10/03/14	REVISED COMPOUND LOCATION	DAK
2	06/03/14	REVISED PER COMMENTS	DAK
1	05/27/14	UPDATED RF INFO	DAK
0	12/30/13	PRELIMINARY ZDs	DAK

PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAIVELU P.E.  
VT PROFESSIONAL ENGINEER LIC. # 018.0086971  
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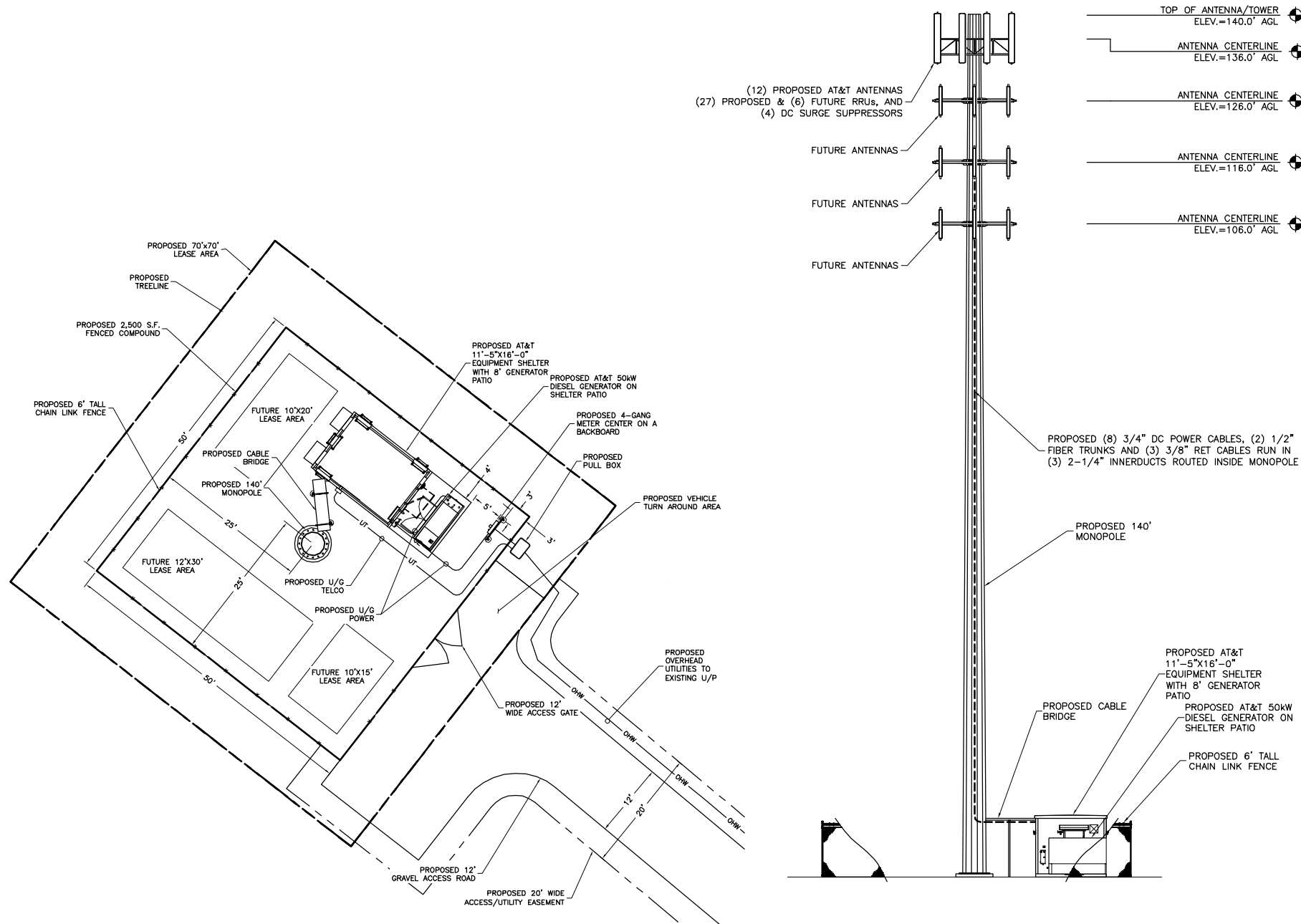
SHEET TITLE

EXISTING  
CONDITIONS PLAN

SHEET NUMBER

Z-1





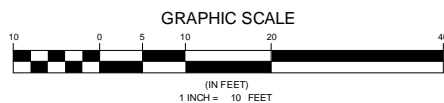
1  
C-1

COMPOUND PLAN

SCALE: 1" = 10'

PLANNING BOARD APPROVAL:

AT A MEETING HELD ON \_\_\_\_\_, 20\_\_\_\_,  
THE **CITY OF ROCHESTER** PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
AND A COPY OF THE REVIEW COMMENTS IS ON FILE AT CITY HALL.



2  
C-1

**ELEVATION**  
SCALE: 1" = 10'



**Know what's below.  
Call before you dig.**



STATE LAW REQUIRES  
THREE WORKING DAYS NOTICE PRIOR  
TO ANY EARTH MOVING ACTIVITIES

FOR MORE INFORMATION ON THIS SITE PLAN  
PLEASE CONTACT NB&C, LLC AT 267-460-0122

### GENERAL NOTES

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES AND NOTIFY UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION AT 1 (800) 962-7962 PRIOR TO EXCAVATION AT SITE.
9. ANY UNDERGROUND UTILITIES OR STRUCTURES THAT EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
10. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
11. ALL EXCAVATION WITHIN 36" OF EITHER SIDE OF UNDERGROUND UTILITIES MUST BE COMPLETED BY HAND EXCAVATION METHODS.
12. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
13. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
14. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
15. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.
16. THERE ARE NO COMMERCIAL SIGNS PROPOSED FOR THIS INSTALLATION.
17. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
18. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
19. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
20. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
21. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.
22. THE AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH.
23. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH THE TOWN.

ENGINEER



**NB+C ENGINEERING SERVICES, LLC**  
1777 SENTRY PARKWAY WEST  
DUBLIN HALL, SUITE 210  
BLUE BELL, PA 19422  
(267) 460-0122

APPLICANT



mobility corp.  
550 COCHITUATE ROAD  
FRAMINGHAM, MA 01701

FORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

## REVISIONS

3	10/03/14	REVISED COMPOUND LOCATION	DAI
2	06/03/14	REVISED PER COMMENTS	DAI
1	05/27/14	UPDATED RF INFO	DAI
0	12/30/13	PRELIMINARY ZDs	DAI
REV	DATE	DESCRIPTION	BY

PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAIVELU P.E.  
VT PROFESSIONAL ENGINEER LIC. # 018.0086971  
ME PROFESSIONAL ENGINEER LIC. #12979  
NH PROFESSIONAL ENGINEER LIC. #13868

IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT, UNLESS EXPLICITLY AGREED TO BY THE ENGINEER IN WRITING. THE ENGINEER DISCLAIMS ALL LIABILITY ASSOCIATED WITH THE REUSE, ALTERATION OR MODIFICATION OF THE CONTENTS HEREIN.

SHEET TITLE

COMPOUND PLAN  
& ELEVATION

SHEET NUMBER

C-1

STRUCTURAL NOTES

1. ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL JURISDICTIONS COVERING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

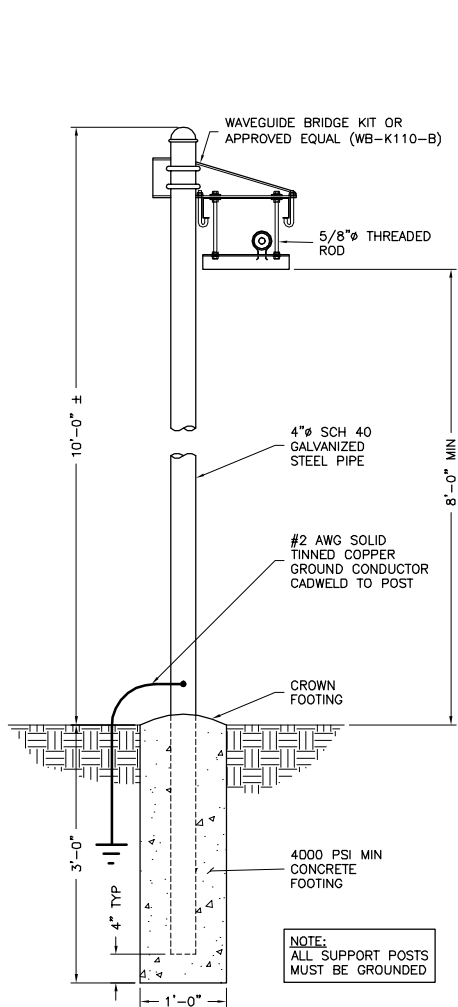
1. 2009 IBC  
2. ANSI/EIA/TIA-222-G  
3. NH STATE FIRE CODE -SAF-C60000  
4. NATIONAL ELECTRIC CODE 2011.  
5. LOCAL BUILDING CODE.  
6. CITY/COUNTY ORDINANCES.
2. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
3. STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 "STRUCTURAL STEEL", UNLESS OTHERWISE NOTED.
4. STEEL TUBING SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B.
5. STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 "PIPE, STEEL, BLACK AND HOT-DIPPED, ZINC-COATED WELDED AND SEAMLESS", TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
6. UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI., OR EQUAL. STRUT MEMBERS SHALL BE 1-5/8" X 1-5/8" X 12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
7. FIELD CONNECTIONS SHALL BE BOLTED UNLESS OTHERWISE INDICATED. ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE HIGH STRENGTH BOLTS AND CONFORM TO THE LATEST EDITION OF ASTM A325 "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS, AND PLAIN HARDENED WASHERS". BOLTS SHALL BE 3/4 INCH DIA. UNLESS OTHERWISE NOTED.
8. EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS 1, HILTI KWIK BOLT II, OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE FOUR (4) INCHES.
9. SLEEVE ANCHORS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 3, CLASS 3, AS MANUFACTURED BY HILTI FASTENING SYSTEMS OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE THREE (3) INCHES.
10. EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF 1/2" DIAMETER STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS, AN INTERNAL THREADED INSERT, A SCREEN TUBE, AND AN EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI HIT HY-20 SYSTEM OR ENGINEER APPROVED EQUAL WITH 6" MIN. EMBEDMENT.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
12. SUBMIT SHOP DETAIL DRAWINGS OF ALL STRUCTURAL AND MISCELLANEOUS STEEL TO THE ENGINEER FOR APPROVAL, AND INCORPORATE ALL COMMENTS PRIOR TO FABRICATION.
13. CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.
14. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO TAKING CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE PRIOR ENGINEER APPROVAL.
15. ALL WORK SHALL BE INSPECTED BY THE ENGINEER DURING, AND AT THE COMPLETION OF CONSTRUCTION.

WELDING

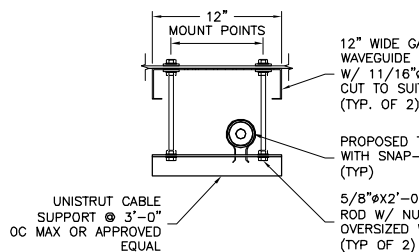
1. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE, AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES".
2. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATINGS SHALL BE REPAIRED.

GALVANIZING

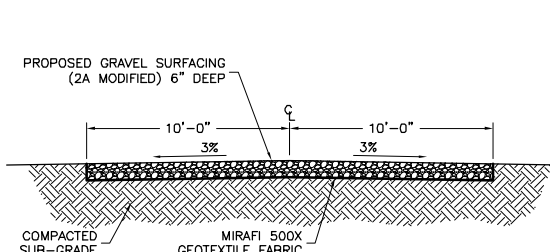
1. ALL STEEL MATERIALS EXPOSED TO WEATHER SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED. ALL BOLTS, ANCHORS, AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
2. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780, UNLESS OTHERWISE NOTED.



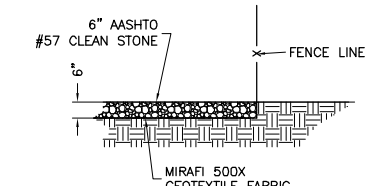
1 CABLE BRIDGE DETAIL  
C-2 NTS



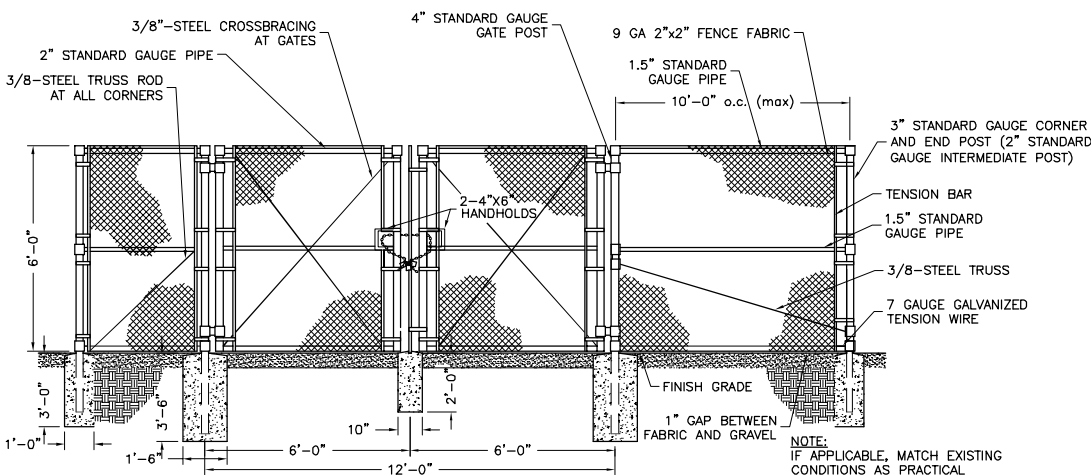
2 CABLE SUPPORT SECTION  
C-2 NTS



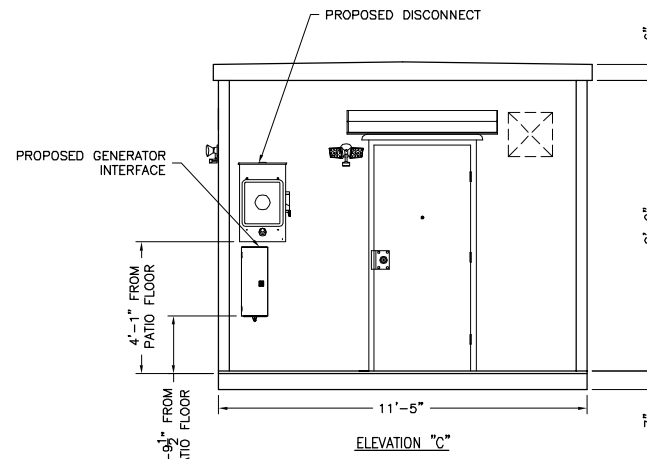
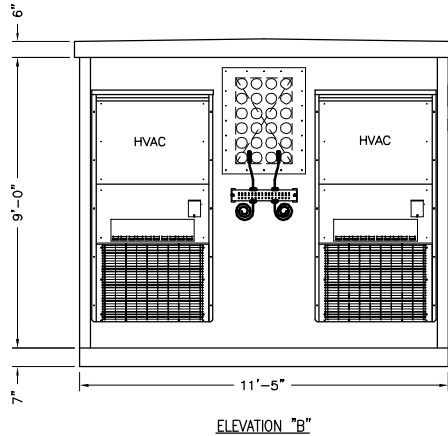
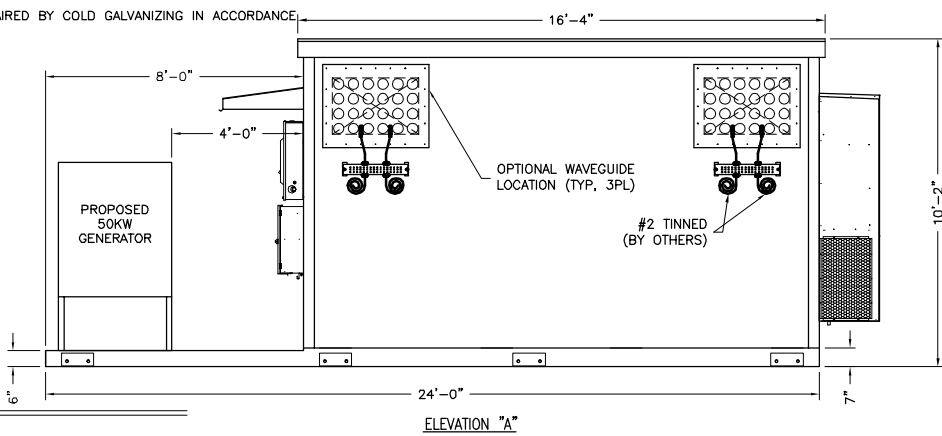
3 GRAVEL DRIVEWAY TYPICAL SECTION  
C-2 NTS



4 GRAVEL COMPOUND DETAIL  
C-2 NTS



5 TYPICAL FENCE AND GATE DETAIL  
C-2 NTS



6 EQUIPMENT SHELTER ELEVATION  
C-2 SCALE: 3/8"=1'

PLANNING BOARD APPROVAL:

AT A MEETING HELD ON 12/30/13  
THE CITY OF ROCHESTER PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
AND A COPY OF THE REVIEW COMMENTS IS ON FILE AT CITY HALL.

ENGINEER

**NB+C**  
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.  
1777 GENTRY PARKWAY WEST  
DUBLIN, MA 01922  
BLUE BELL, PA 19022  
(267) 460-0122

APPLICANT



SITE INFORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
3	10/03/14	REVISED COMPOUND LOCATION	DAK
2	06/03/14	REVISED PER COMMENTS	DAK
1	05/27/14	UPDATED RF INFO	DAK
0	12/30/13	PRELIMINARY ZDs	DAK

PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAIVELU P.E.  
VT PROFESSIONAL ENGINEER LIC. # 018.0086971  
ME PROFESSIONAL ENGINEER LIC. #12979  
NH PROFESSIONAL ENGINEER LIC. #13868

SHEET TITLE

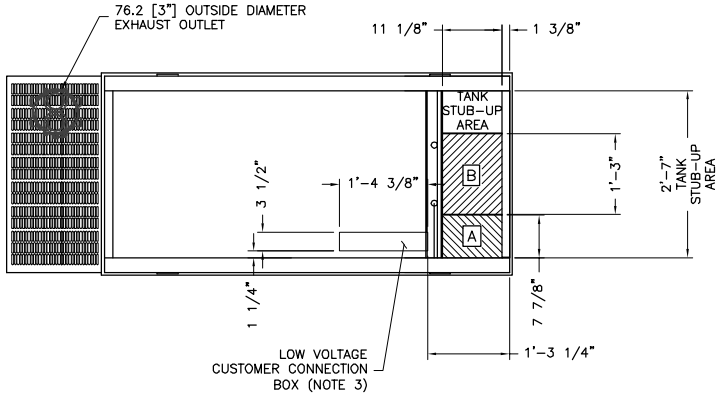
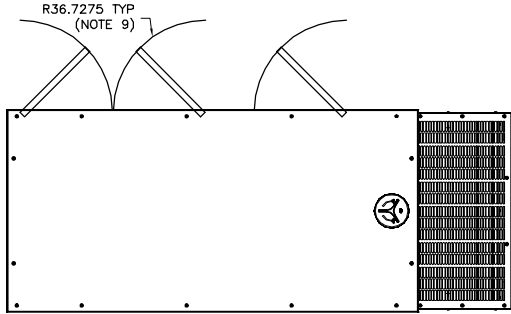
CONSTRUCTION  
DETAILS & NOTES

SHEET NUMBER

C-2

FOR MORE INFORMATION ON THIS SITE PLAN  
PLEASE CONTACT NB&C, LLC AT 267-460-0122

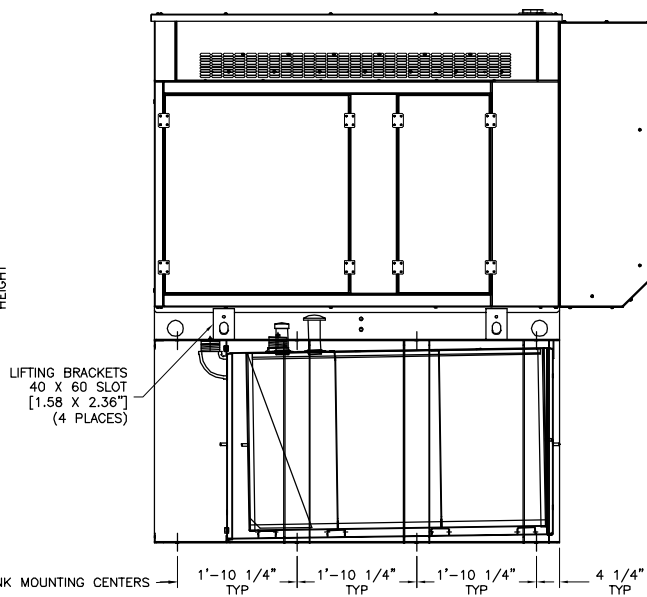
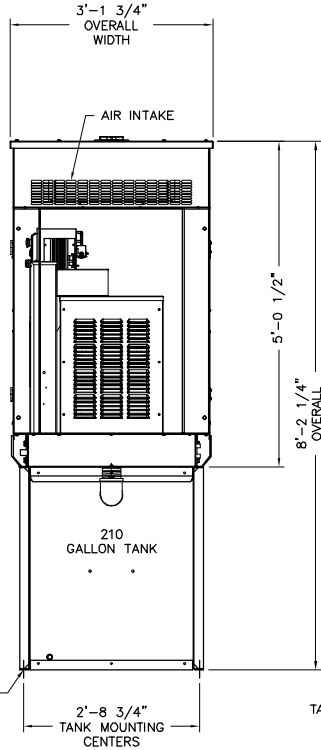
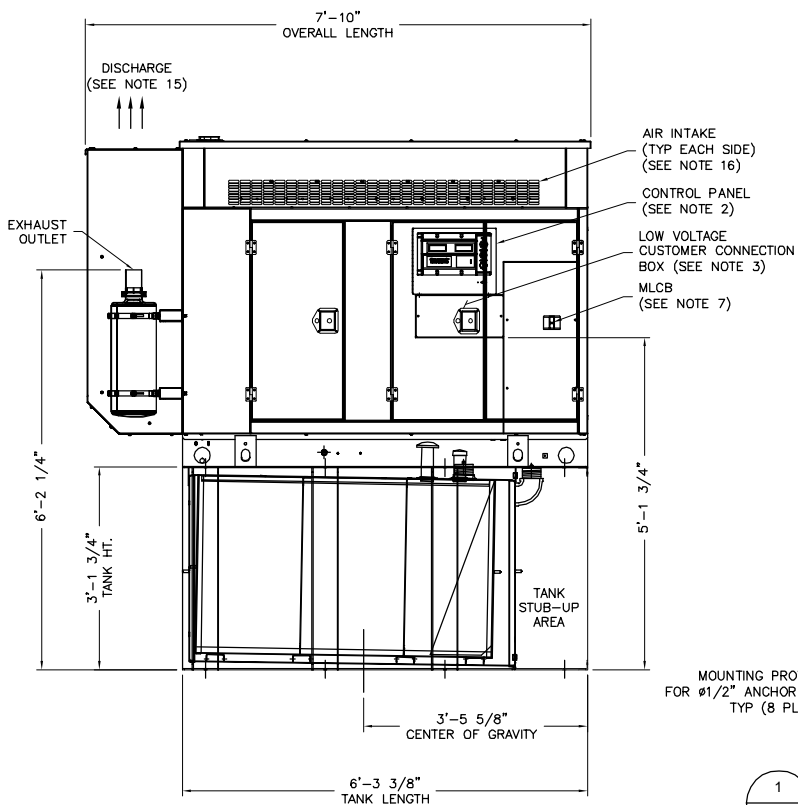




RECOMMENDED ELECTRICAL STUB-UPS (SEE TOP VIEW)	
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT GLAND AREA	A
1) LOW VOLTAGE CUSTOMER CONNECTION BOX FOR 120VAC GFCI OUTLET, (STANDARD BLOCK HEATER, BATTERY CHARGER AND OTHER 120 VAC OPTIONS).	B SEE NOTE 3
2) TRANSFER SWITCH/ COMMUNICATION CONDUITS, COMMUNICATIONS AND 2-WIRE START MUST NOT BE RUN IN CONDUIT WITH AC WIRING.	

- NOTES:
1. THE LEFT SIDE OF THE GENERATOR IS SERVICE ACCESSIBLE.
  2. 10 AMP BATTERY CHARGER ENCLOSED WITHIN CONTROL PANEL.
  3. CONNECTION POINTS FOR CONTROL WIRES. BOTTOM OF LOW VOLTAGE CUSTOMER CONNECTION BOX HAS KNOCKOUTS FOR 1/2" AND 3/4" CONDUIT FITTINGS.
  4. GENERATOR MUST BE GROUNDED.
  5. 12 VOLT NEGATIVE GROUND SYSTEM.
  6. OPTIONAL REMOTE EMERGENCY STOP SHIPPED LOOSE WITH GENERATOR.
  7. MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEAD CONNECTION AND AUXILIARY 120/240V CONNECTION.
  8. LEVEL 2A SOUND ATTENUATED ENCLOSURE STANDARD WITH GENERATOR. 9. DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED. DOORS ARE LOCATED ON THE LEFT SIDE OF THE GENERATOR ONLY.
  10. STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
  11. 'A' IS THE STUB UP AREA FOR THE MLCB AND NEUTRAL CONNECTION. 12. SEE DRAWING OC3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER.
  13. 120VAC ENGINE BLOCK HEATER.
  14. 210 GALLON USEABLE CAPACITY BASETANK STANDARD WITH GENERATOR. 15. MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS. 16. MUST ALLOW FREE FLOW OF INTAKE AIR. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
  17. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.

WEIGHT DATA: (INCLUDES WOODEN SHIPPING SKID)  
ENCLOSED GENERATOR WITH EMPTY FUEL TANK - 1700kg (3750 lbs)



1 DIESEL GENERATOR DETAIL  
C-3 NTS

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AT A MEETING HELD ON \_\_\_\_\_, 20\_\_\_\_,  
THE CITY OF ROCHESTER PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
AND A COPY OF THE REVIEW COMMENTS IS ON FILE AT CITY HALL.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ENGINEER

**NB+C**  
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.  
1777 GENTRY PARKWAY WEST  
DUBLIN HILL, SUITE 200  
BLUE BELL, PA 19022  
(267) 460-0122

APPLICANT



SITE INFORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
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PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAIVELU P.E.  
VT PROFESSIONAL ENGINEER LIC. # 018.0086971  
ME PROFESSIONAL ENGINEER LIC. #12979  
NH PROFESSIONAL ENGINEER LIC. #13868

SHEET TITLE

GENERATOR  
DETAILS

SHEET NUMBER

C-3

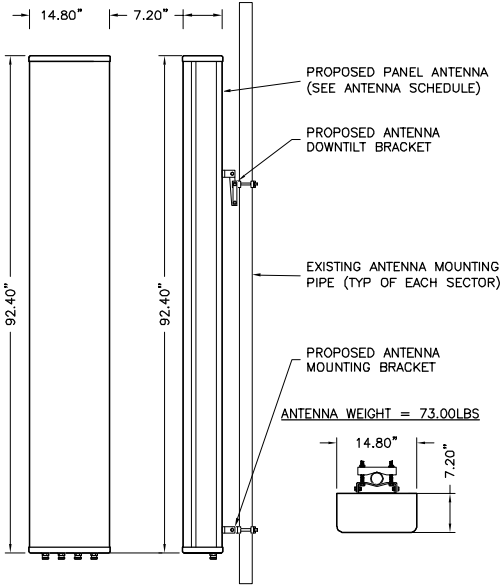
FOR MORE INFORMATION ON THIS SITE PLAN  
PLEASE CONTACT NB&C, LLC AT 267-460-0122

GENERAL ANTENNA NOTES

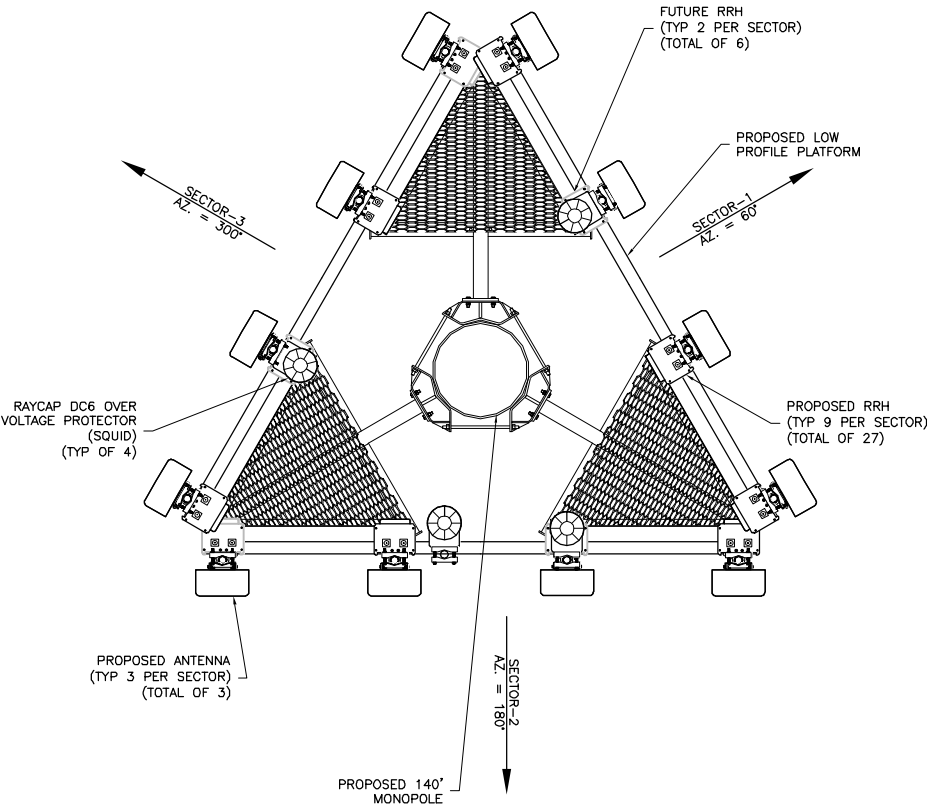
1. ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
2. ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
3. CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE & AZIMUTH.
4. CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
5. ALL CABLE LENGTHS ARE ESTIMATED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
6. COLOR TAPE MARKINGS MUST BE 3/4" WIDE AND UV RESISTANT, SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE.
7. CONTRACTOR SHALL COORDINATE COLOR CODINGS IN THE FIELD WITH AT&T REPRESENTATIVE.
8. CONTRACTOR SHALL INSTALL A BRASS IDENTIFICATION TAG 1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS. INSTALL TAGS AT PORT CONNECTION NEAR THE END OF JUMPER AND ONE ON THE END NEAR THE RADIO EQUIPMENT. EACH TAG SHALL BE STAMPED WITH "AT&T" AND THE PORT IDENTIFICATION NUMBER. TAG SHALL BE ATTACHED WITH CORROSION PROOF WIRE SUCH AS STAINLESS SEIZING WIRE.
9. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES. THE OWNER'S AGENT SHALL FURNISH A CERTIFICATION LETTER SEALED BY A REGISTERED PROFESSIONAL ENGINEER STATING THAT THIS STRUCTURAL ANALYSIS WAS PREPARED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

PLANNING BOARD APPROVAL:

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THE **CITY OF ROCHESTER** PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
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1 HPA-65R-BUU-H8 ANTENNA DETAIL  
A-1 NTS



2 ANTENNA MOUNTING PLAN  
A-1 NTS



ENGINEER



NB+C ENGINEERING SERVICES, LLC.  
1777 GENTRY PARKWAY WEST  
FOXBURN HILL, SUITE 200  
BLUE BELLS, PA 19422  
(267) 460-0122

APPLICANT



550 COCHRAN ROAD  
FRAMINGHAM, MA 01701

SITE INFORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

DESIGN RECORD

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PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAIVELU P.E.  
VT PROFESSIONAL ENGINEER LIC. # 018.0086971  
ME PROFESSIONAL ENGINEER LIC. #12979  
NH PROFESSIONAL ENGINEER LIC. #13868

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SHEET TITLE

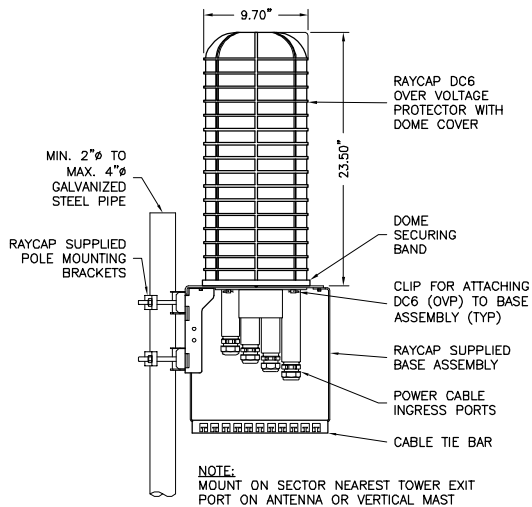
ANTENNA  
MOUNTING PLAN  
& DETAILS

SHEET NUMBER

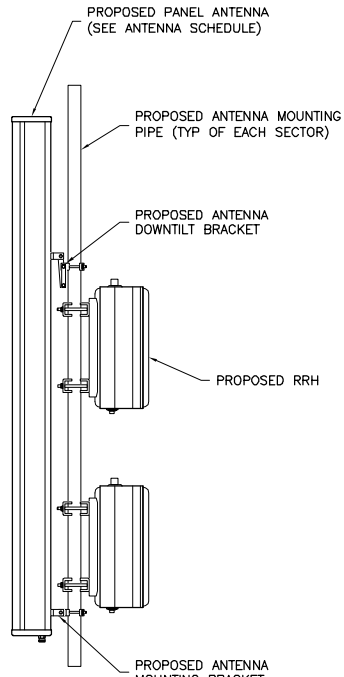
A-1

NOTE:  
CONTRACTOR SHALL OBTAIN THE RF SHEET PRIOR TO CONSTRUCTION.

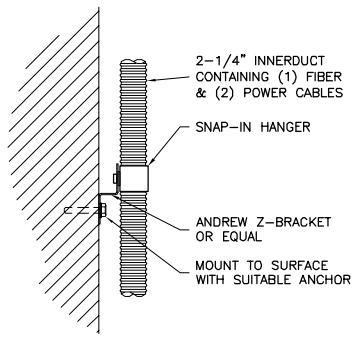
FOR MORE INFORMATION ON THIS SITE PLAN  
PLEASE CONTACT NB&C, LLC AT 267-460-0122



1 RAYCAP DC6-48-60-18-8F (SQUID)  
A-2 NTS

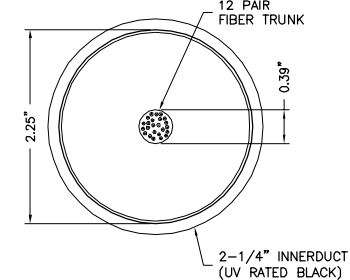


2 RRH MOUNTING DETAIL  
A-2 NTS

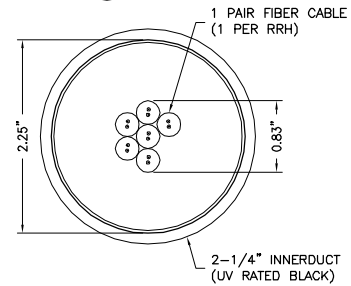


3 VERTICAL CABLE SUPPORT  
A-2 NTS

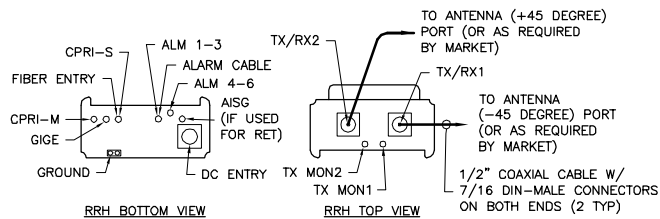
<b>SINGLE FIBER 7MM/0.28"</b>
USE GROMMET ROSENBERGER: CX603-HA0711 ANT: 13854 WITH 7/8" SNAPSTACK SNAP-INS
<b>SINGLE PAIR DC POWER 15.4MM/0.61"</b>
USE GROMMET ROSENBERGER: CX604-HA1117 ANT: 13853 WITH 7/8" SNAPSTACK SNAP-INS



4 FIBER TRUNK SECTION  
A-2 NTS

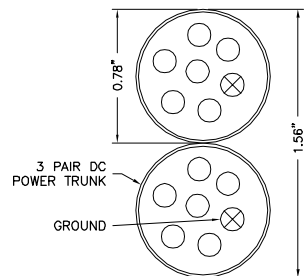


5 6 SINGLE 1 PAIR FIBER SECTION  
A-2 NTS

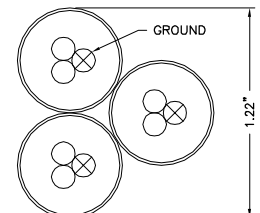


- NOTES:
1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
  2. ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.

6 GPS ANTENNA MOUNTING DETAIL  
A-2 NTS



7 3 PAIR DC POWER SECTION  
A-2 NTS



8 1 PAIR POWER SECTION  
A-2 NTS

- NOTES:
1. (1) PAIR DC POWER RSS 8 (1 PER RRH, 6 TOTAL)
  2. SECURE TO CABLE BRIDGE AND TOWER WITH 1-1/4" SNAPSTACK SNAP-INS

SIZE AND WEIGHT TABLE				
RRH	WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
RRUS-11	16.96"	7.16"	19.685"	51 LBS
RRUS-12	18.5"	7.5"	20.4"	58 LBS (W/O SOLAR SHIELD)
RRUS-32	13.3"	9.5"	29.9"	77 LBS (W/O SOLAR SHIELD)
A2	15.2"	3.4"	16.4"	22 LBS (W/O SOLAR SHIELD)

NOTE: DIMENSIONS INCLUDE MOUNTING BRACKET, SOLAR SHIELD AND CONNECTORS.

5 ERICCSN RRUS REMOTE RADIO HEAD (RRH)  
A-2 NTS

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AT A MEETING HELD ON \_\_\_\_\_, 20\_\_\_\_,  
THE CITY OF ROCHESTER PLANNING BOARD REVIEWED AND APPROVED THIS PLAN  
AND A COPY OF THE REVIEW COMMENTS IS ON FILE AT CITY HALL.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOR MORE INFORMATION ON THIS SITE PLAN  
PLEASE CONTACT NB&C, LLC AT 267-460-0122

ENGINEER

**NB+C**  
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.  
1777 GENTRY PARKWAY WEST  
DUBLIN, MA, SUITE 200  
BLUE BELL, PA 19422  
(267) 460-0122

APPLICANT

**at&t**  
mobility corp.  
550 COCHITUATE ROAD  
FRAMINGHAM, MA 01701

SITE INFORMATION

NH4125  
144 MEADERBORO ROAD  
144 MEADERBORO ROAD  
ROCHESTER, NH 03867

DESIGN RECORD

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PROFESSIONAL STAMP

STATE OF NEW HAMPSHIRE  
KRUPAKARAN KOLANDAIVELU  
No. 13868  
LICENSED PROFESSIONAL ENGINEER  
*[Signature]*

ENGINEER

KRUPAKARAN KOLANDAIVELU P.E.  
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SHEET TITLE

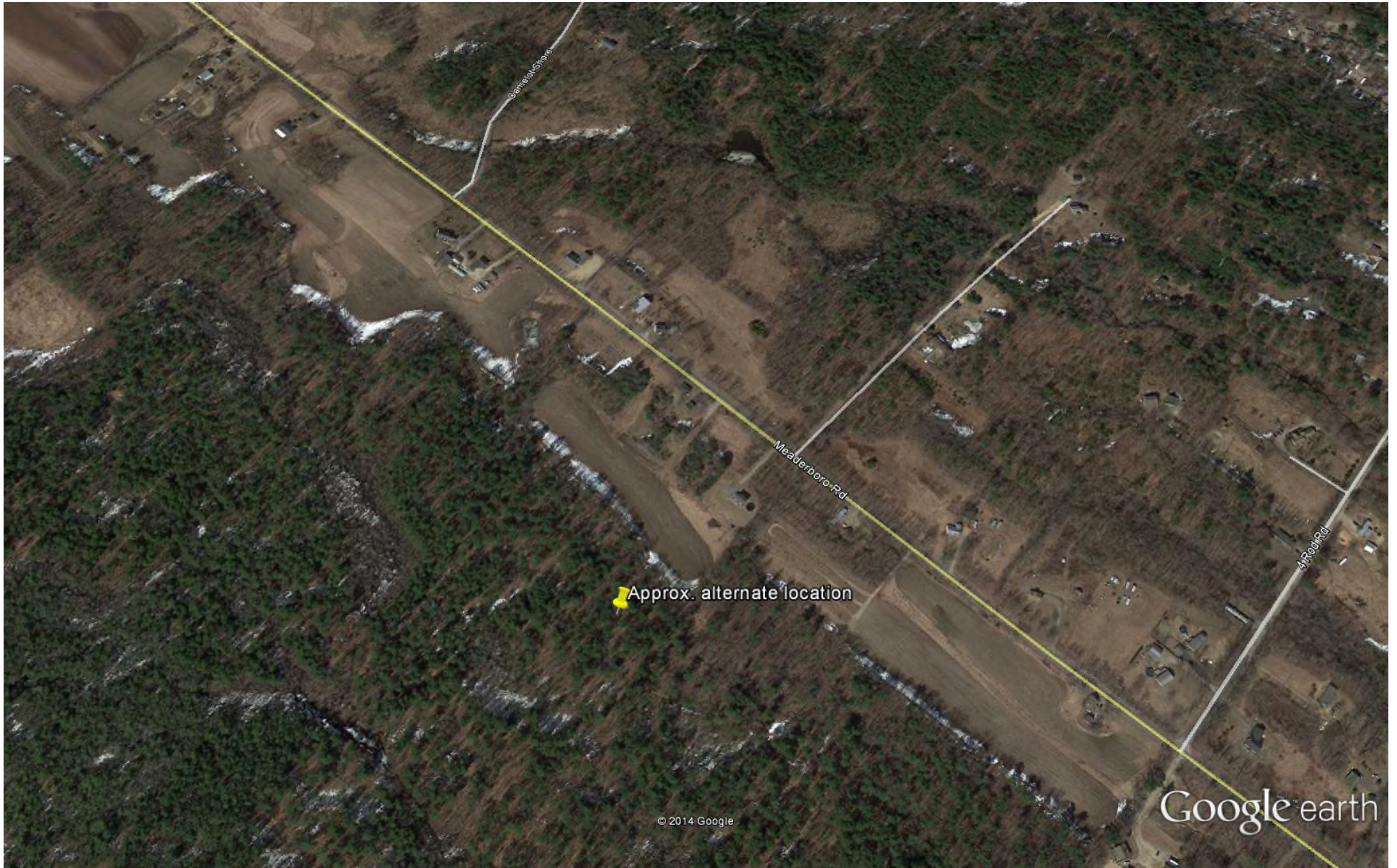
DETAILS

SHEET NUMBER

A-2

## EXHIBIT 2





Google earth





## EXHIBIT 3

161 Meaderboro Rd  
161 Meaderboro Rd  
Rochester, New Hampshire

Street View - Sep 2013



Image capture: Sep 2013 © 2014 Google



159 Meaderboro Rd  
159 Meaderboro Rd  
Rochester, New Hampshire

Street View - Sep 2013



Image capture: Sep 2013 © 2014 Google



159 Meaderboro Rd  
159 Meaderboro Rd  
Rochester, New Hampshire

Street View - Sep 2013



Image capture: Sep 2013 © 2014 Google



157 Meaderboro Rd  
157 Meaderboro Rd  
Rochester, New Hampshire  
Street View - Sep 2013





151 Meaderboro Rd  
151 Meaderboro Rd  
Rochester, New Hampshire

Street View - Sep 2013



Image capture: Sep 2013 © 2014 Google



10/3/2014

144 Meaderboro Rd - Google Maps

151 Meaderboro Rd  
151 Meaderboro Rd  
Rochester, New Hampshire

Street View - Sep 2013



Image capture: Sep 2013 © 2014 Google

# EXHIBIT 4

# **SUPPLEMENTAL RADIO FREQUENCY REPORT**

**Proposed Facility 144 Meaderboro Road**

**Rochester, NH**

**(Site S4125)**



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October 6, 2014

This supplemental report is submitted in support of the application by New Cingular Wireless PCS, LLC (“AT&T”) to construct a 140’ Monopole and attach panel antennas, GPS antennas, cables, and install electronic equipment and other appurtenances and associated equipment thereto, and fiber cable, coaxial cable, electronic equipment and other appurtenances as shown of the plans submitted with the application (the “Facility”) located at 144 Meaderboro Road, Rochester, NH (the “Site”).

I hereby restate and incorporate by reference as if fully set forth herein my “Report of Radio Frequency Engineer,” dated March 31, 2014 and submitted with AT&T’s initial application for the Site.

I have evaluated the alternative locations provided to me by AT&T’s site acquisition consultant and determined that they are not feasible locations to address this significant gap in AT&T’s wireless network coverage for the following reasons:

- Meaderboro Community Church, 151 Meaderboro Road, Rochester, NH: The property is located at (the “Church”). The building on the Church is only 2 ½ stories and approximately 35 feet above ground level (“AGL”). I performed the evaluation assuming the top of the antennas would be located 10’ above the roof of the building at 45’ AGL to the top of the antennas (41’ to antenna centerline (“ACL”)). Due to the ground elevation and limited structure height, as demonstrated by the radio frequency propagation map submitted herewith (labeled to reflect the 41’ ACL height AGL), the Church would not provide adequate coverage to the Targeted Coverage Area. Therefore, the Church is not a feasible alternative to the Property for the proposed Facility.
- Grandview Campground, 51 Four Rod Road in Rochester, NH: The property is located at 51 Four Rod Road in Farmington. Based on my evaluation of a facility including a tower of 140’ AGL, the property is located at an elevation that is too low and is located too far away to provide adequate coverage to the Targeted Coverage Area, including without limitation, Meaderboro Road, Sheepboro Road, and Crown Point Road. Therefore, it is not a feasible alternative to the Property for the proposed Facility.



For the reasons set forth in the initial report, dated March 31, 2014, and the additional reasons set forth herein, the proposed site is the least intrusive and only feasible alternative.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Ernesto Chua Jr.", with a stylized, cursive script.

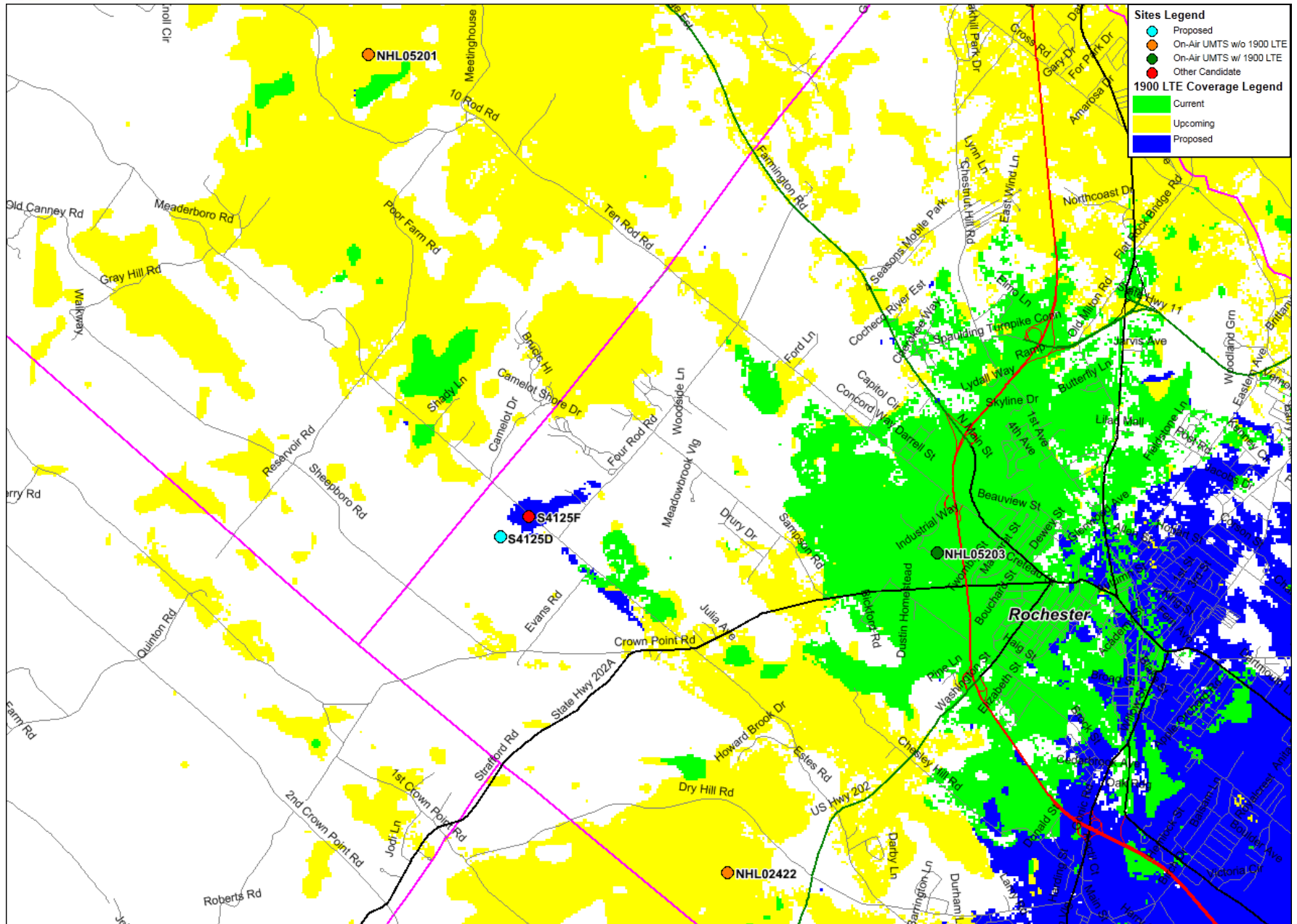
---

Ernesto Chua Jr.  
RF Engineering  
AT&T Mobility  
550 Cochituate Road  
Framingham, MA 01701  
Phone: (508) 271-8321  
**Email: [ec7095@att.com](mailto:ec7095@att.com)**



at&t

# Current-Upcoming-Church @ 41' LTE Coverage



# at&t Current-Upcoming-Campground @ 140' Coverage

