Matt Burke

16 Chestnut Street, Suite 220
Foxboro, MA 02035
Tel (508) 930-0974
Fax (774) 215-5423

Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification - Emergency Backup Generator**
10 Main St., Essex, CT 06426 (FA# 10035078) (also known as 6 Main St.)

Dear Ms. Bachman:

American Telephone and Telegraph Company ("AT&T") currently maintains a wireless telecommunications facility at the above referenced address. AT&T's facility consists of antennas at the 115' level of an existing 128-6' water tank-tower (now used exclusively as a communications facility) and an equipment shelter. The tower and AT&T's shelter are located within an existing lease area. The shelter houses AT&T's equipment and space for a back-up generator. AT&T does not currently maintain a generator at this cell site.

In an effort to further enhance multiple tenants' network reliability, AT&T intends to modify its facility by installing a new diesel-fueled generator outside in a designated 4' x 8' ground space. The generator incorporates a built-in fuel tank as part of the unit. The diesel fuel tanks are double walled for added safety and will be filled by a licensed fuel filling company. The proposed modification will be adjacent to the existing shelter area. (See Facility Compound Plan attached).

Please accept this letter as notification pursuant to R.C.S.A Section 16-50j-73, for construction that constitutes modification pursuant to R.C.S.A Section 16-50j-72(b)(2). In accordance with R.C.S.A Section 16-50j-73, a copy of this submission is being sent to the Town of Essex. A copy of this submission is also being sent to Macbeth Ventures, LLC, the property owner on which the tower is located.

AT&T's Proposed Wireless Modifications Constitute An "Exempt Modification"

The proposed modification to the above mentioned Facility constitutes an exempt modification of an existing facility provided for in R.C.S.A Section 16-50j-72(b)(2) and Council regulations promulgated pursuant thereto.

1) The proposed modification will not result in an increase in the height of the existing tower.

2) The generator and attached fuel tank will remain entirely within the limits of the leased area. The modifications therefore, will not require the extension of the boundary.
3) The proposed modification does not increase the noise levels at the boundary by six (6) decibels or more under normal conditions. Proposed modification is only used during emergency power failure.
4) The installation of a new generator and attached fuel tank will not change, in any way, radio frequency (RF) emissions at the facility.
5) The facility has received all municipal zoning approvals and building permits. (Regs., Conn. State Agencies Section 16-50j-72))

For all the foregoing reasons, American Telephone and Telegraph Company respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A Section 16-50j-72(b)(2)

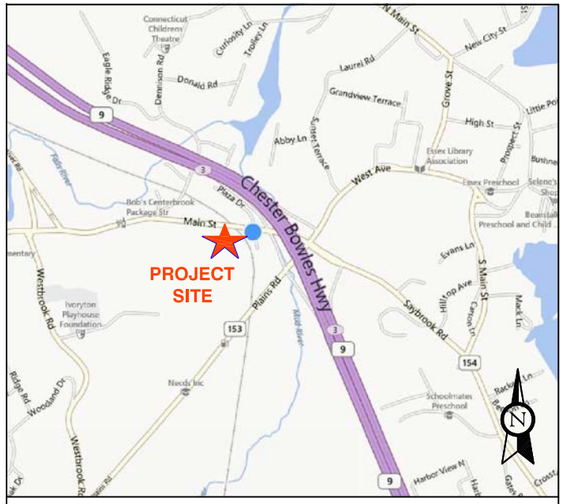
Respectfully submitted,

Matt Burke 508.930.0974
On behalf of AT&T
c/o Tower Resource Management, Inc.
16 Chestnut Street, Suite 220
Foxboro, MA 02035

cc: **Town of Essex, CT**
Macbeth Ventures, LLC

Exhibit 1

Site Plan



VICINITY MAP

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

THIS FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS.

BACKUP POWER PROJECT

SITE IDENTIFICATION:

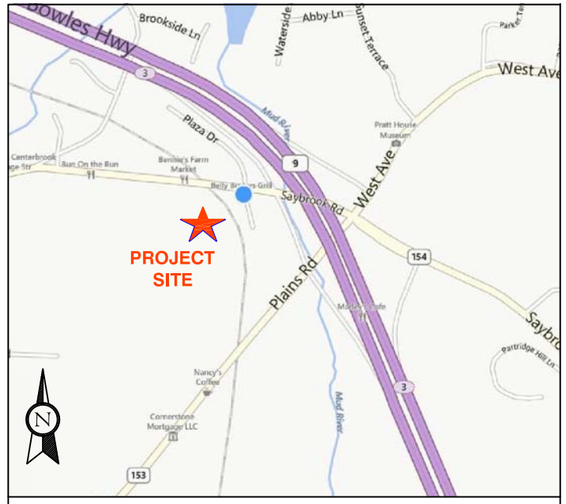
SITE NUMBER: 10035078

SITE NAME: ESSEX

SITE ADDRESS: 10 MAIN STREET
ESSEX, CT 06426

PROJECT DESCRIPTION:

THE PROPOSED PROJECT INCLUDES PLACING A 50 KW GENERATOR IN AN EXISTING CELLULAR TOWER COMPOUND.



LOCAL MAP

CONTRACTOR TO VERIFY EXISTING MUX LOCATION. IF MUX LOCATION IS OUTSIDE OF AT&T EQUIPMENT AREA, CONTRACTOR IS TO FIELD VERIFY THE PRESENCE OF EMERGENCY BACK-UP SERVICE TO THE MUX. IF EMERGENCY BACK-UP SERVICE IS NOT PRESENT, CONTRACTOR IS TO ROUTE NEW SERVICE FROM AT&T EQUIPMENT AREA.

PROJECT TEAM

ENGINEER:
ADVANCED ENGINEERING GROUP, P.C.
500 NORTH BROADWAY
EAST PROVIDENCE, RI 02914
TEL: 401-354-2403

APPLICANT:
AT&T MOBILITY
550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

CUSTOMER REPRESENTATIVE:
SABRE INDUSTRIES
PEGGY POOR
MARKET LEAD – AT&T NE GENERATOR PROGRAM
13010 MORRIS ROAD, 6TH FLOOR, BLDG 1
ALPHARETTA, GA 30004
CELL 770-990-0137

LANDLORD:
MACBETH VENTURES, LLC C/O REALTY CONCEPTS
2514 BOSTON POST ROAD, 9C
GUILFORD, CT 06437

UTILITIES:
POWER COMPANY:
NORTHEAST UTILITIES (NU)
P.O. BOX 270
HARTFORD, CT 06141-0270
PHONE: 1-800-286-5000

PROJECT SUMMARY

GEOGRAPHIC COORDINATES:
LATITUDE: 41.351311
LONGITUDE: -72.406280

CODE BLOCK:
BUILDING CODE:
2009 INTERNATIONAL BUILDING CODE

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A 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 AS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.

PROJECT LOCATION DIRECTIONS

1. HEAD WEST ON COCHITUATE RD TOWARD BURR ST
2. TAKE THE 1ST RIGHT ONTO BURR ST
3. MAKE A U-TURN AT LEGGAT MCCALL CONN
4. TURN LEFT ONTO COCHITUATE RD
5. TAKE THE RAMP TO I-90 E/MASSPIKE W/SPRINGFIELD/BOSTON
6. KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR INTERSTATE 90 W/MASSACHUSETTS TURNPIKE/WORCHESTER/SPRINGFIELD AND MERGE ONTO I-90 W/MASSACHUSETTS TURNPIKE
PARTIAL TOLL ROAD
7. TAKE EXIT 10 TOWARD AUBURN/WORCESTER
PARTIAL TOLL ROAD
8. FOLLOW SIGNS FOR US-20 E/I-395 S AND MERGE ONTO I-395 S
PARTIAL TOLL ROAD
ENTERING CONNECTICUT
9. MERGE ONTO I-95 S
10. TAKE EXIT 69 TO MERGE ONTO CT-9 N TOWARD ESSEX/HARTFORD
11. TAKE EXIT 3 FOR CT-154 TOWARD CT-153/ESSEX/CENTERBROOK
12. TURN LEFT ONTO CT-154 N/MIDDLESEX

SHEET INDEX

SHT NO:	DESCRIPTION:	REV:	DATE:	BY:
T-1	TITLE SHEET, VICINITY MAP AND GENERAL INFORMATION	0	01-22-2014	JG
A-1	COMPOUND PLAN	0	01-22-2014	JG
A-2	CONCRETE PAD DETAILS	0	01-22-2014	JG
E-1	WIRING DIAGRAM & SIZING CHARTS	0	01-22-2014	JG
E-2	ELECTRICAL & ATS MOUNTING DETAILS	0	01-22-2014	JG
G-1	GROUNDING DETAILS	0	01-22-2014	JG

ADVANCED ENGINEERING GROUP, P.C.
Civil Engineering - Site Development
Surveying - Telecommunications
500 NORTH BROADWAY
EAST PROVIDENCE, RI 02914
PH: 401-354-2403 FAX: 401-633-6354

TRM Convergent Network Solutions
TOWER RESOURCE MANAGEMENT
16 CHESTNUT STREET, SUITE 220
FOXBORO, MA 02035
WWW.TRMCOM.COM

at&t
550 COCHITUATE ROAD, SUITE 13 & 14
FRAMINGHAM, MA 01701-4681

SITE NUMBER:
10035078

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ESSEX, CT 06426

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SHEET TITLE:
TITLE SHEET, VICINITY MAP AND GENERAL INFORMATION

SHEET NUMBER:	REV. #
T-1	0

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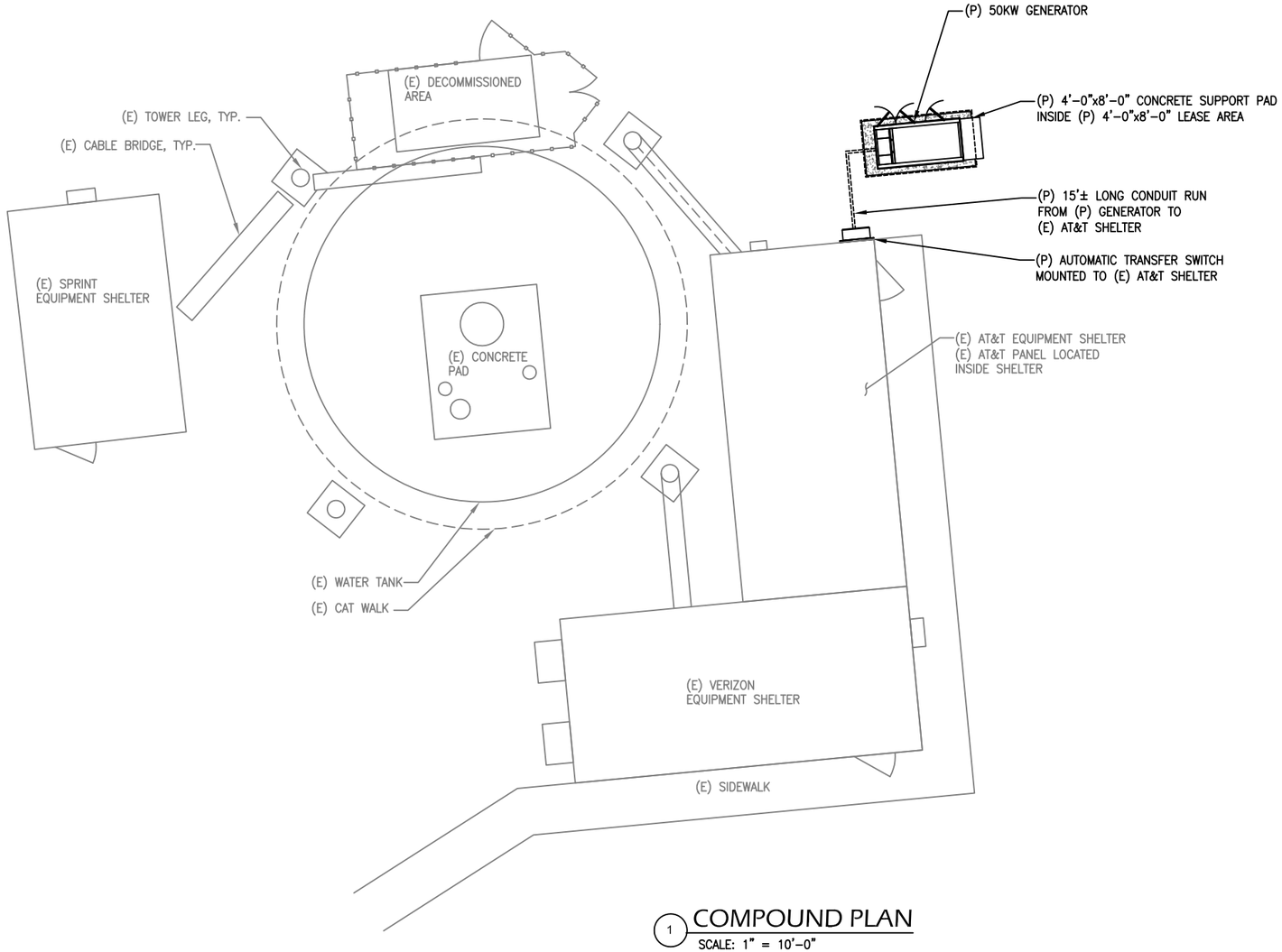
NOTE:
A SITE VISIT/SURVEY WAS NOT CONDUCTED BY ADVANCED ENGINEERING GROUP, P.C.
SITE INFORMATION AND PLANS ARE BASED UPON INFORMATION PROVIDED BY CLIENT



1 COMPOUND PLAN
SCALE: 1" = 10'-0"

0 5' 10' 20'

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COMPOUND PLAN

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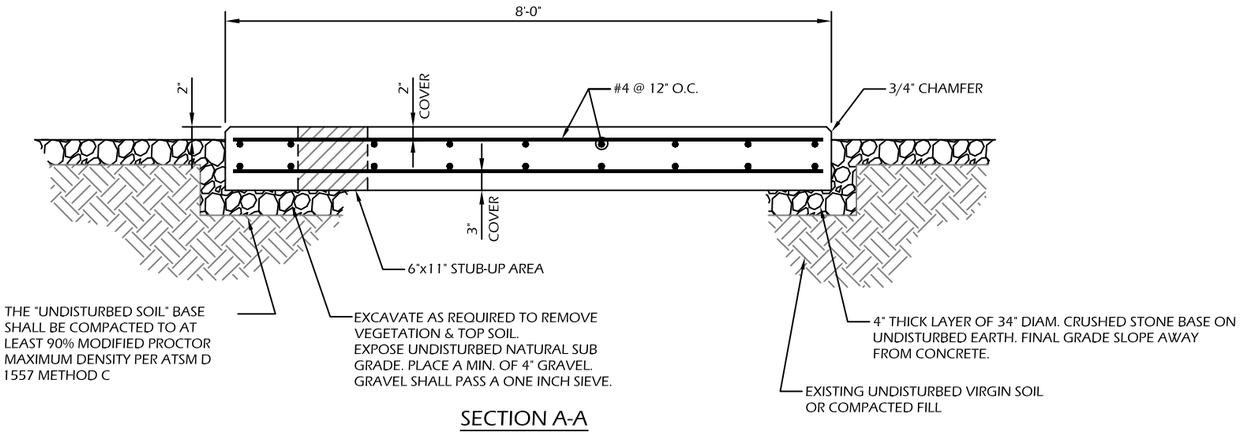
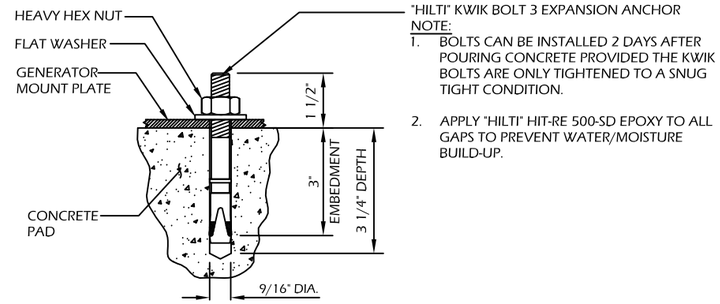
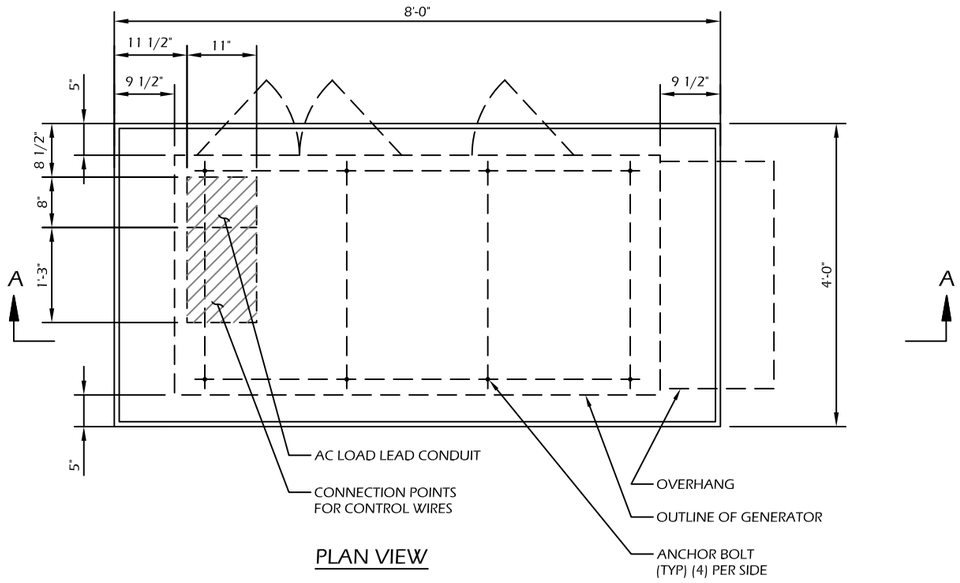


SECTION A-A



DETAIL A

NOTE:
1. BOLTS CAN BE INSTALLED 2 DAYS AFTER POURING CONCRETE PROVIDED THE KWIK BOLTS ARE ONLY TIGHTENED TO A SNUG TIGHT CONDITION.
2. APPLY "HILTI" HIT-RE 500-SD EPOXY TO ALL GAPS TO PREVENT WATER/MOISTURE BUILD-UP.



PLAN VIEW

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CONCRETE PAD CONSTRUCTION NOTES

1. ALL REBAR (HORIZONTAL & VERTICAL) SHALL BE SECURELY WIRE TIED TO PREVENT DISPLACEMENT DURING POURING OF CONCRETE.
2. CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
3. REINFORCED CONCRETE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI STANDARDS 318.
4. MINIMUM CONCRETE COVER OVER REBAR IS 2 1/2".
5. REINFORCING MATERIAL SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A615-85.

CONCRETE PAD AND EMBEDMENT TOLERANCES

1. CONCRETE DIMENSIONS: PLUS OR MINUS 1/4".
2. REINFORCING STEEL PLACEMENT: PLUS OR MINUS 1/4" INCLUDING CONCRETE COVER.

NOTES

1. FOUNDATION WAS DESIGNED BY ASSUMING ALLOWABLE SOIL BEARING CAPACITY OF 1000 PSI. THE SOIL BEARING CAPACITY FOR EACH SITE MUST BE VERIFIED USING THE SITE SPECIFIC GEOTECH REPORT. IF SHALLOW GROUNDWATER (≤3 FT.) WAS REPORTED, A FURTHER REVIEW OF THE DESIGN OR SPECIAL DESIGN MAY BE REQUIRED.
2. THE SOIL UNDERNEATH THE CONCRETE PAD MUST BE FREE OF ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES, AND SHOULD BE COMPACTED AND LEVELED BEFORE PLACING THE FOUNDATION.
3. CONCRETE SLUMPS: 1"~3".
4. CONCRETE VOLUME: 2.4 CUBIC YARDS.

DESIGN

1. MAXIMUM DESIGN BASIC WIND SPEED (3-SECOND GUST): 155 MPH FOR GENERATOR MODELS SD050 AND SD080.

PRE-CAST GENERATOR PAD

ADVANCED ENGINEERING GROUP, P.C.
Civil Engineering - Site Development
Surveying - Telecommunications
500 NORTH BROADWAY
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CONCRETE PAD DETAILS

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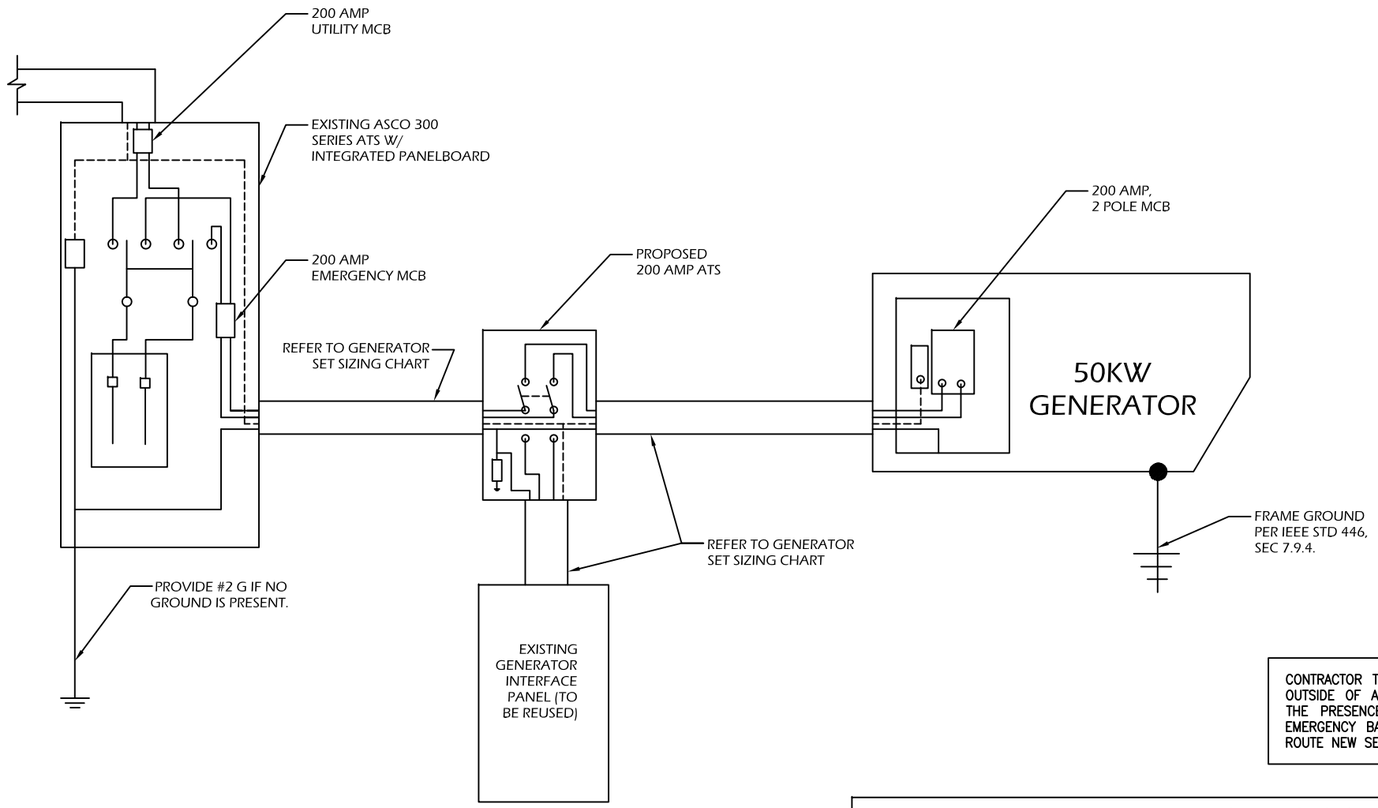

1 SINGLE CARRIER WIRING DIAGRAM
SCALE: NOT TO SCALE

NOTES:

1. ALL UNDERGROUND CABLE TO BE BURIED AT 36" MIN. SHIELD TAPED AT 12" AND STUBBED OUT OF GROUND IN SCH 40 PVC CONDUIT.
2. LOW VOLTAGE CONTROL WIRE PROVIDED BY MONITORING PROVIDER IN SEPARATE 1/2" CONDUIT FROM ATS TO GENERATOR.
3. BTS SITES: THE TENANT CONTRACTOR TO COMPLETE CUSTOMER ELECTRICAL CONDUIT TO CUSTOMER METER PER STANDARD COLLOCATION INSTALL.
4. TENANT CONTRACTOR HAS NOTHING TO INSTALL OR COMPLETE FOR ATC SHARED GEN DURING CUSTOMER COLLOCATION ON ATC TOWER.
5. ALL CONDUCTORS ARE SIZED FOR COPPER, BUT ALUMINUM CONDUCTORS ARE ALLOWED FOR FEEDERS PROVIDED THEY ARE UPSIZED PER NEC TABLE 310.16.
6. ALL ELECTRICAL WORK SHALL BE PER THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL APPLICABLE LOCAL CODES.
7. MAINTAIN 36" CLEAR WORKSPACE IN FRONT OF METER, TRANSFER SWITCH, GENERATOR, PANELS, ETC.
8. 800A PANEL HAS A COMMON NEUTRAL BUS. NEUTRALS BACK TO EACH CARRIER METER ARE SIZED ACCORDING TO THE DISTRIBUTION PANEL BRANCH BREAKER RATING. NEUTRAL IS BONDED AT THE PRIMARY SERVICE MAIN BONDING JUMPER ONLY.
9. GENERATOR CONTROLS AND SENSORS SHALL HAVE GFCI SENSING CAPABILITY PER NEC 700-6(D).

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FEEDER SIZING CHART FOR GENERATOR

GEN SET SIZE	VOLTS - PHASE	PRIME RATING KW - AMPS	SIZE OF INLINE BREAKER (AT GENERATOR)	MAIN BREAKER SIZE SERVING ANCHOR TENANT:	FEEDER SIZES FROM GEN SET BREAKER TO DISTRIBUTION PANEL / ATS.
50KW	120/240V - 1-PH	48KW - 200A	200A	200A 2-P C/B INTEGRAL TO GEN SET	3#3/0, 1#6G, IN 2"C

NOTES:

1. SERVICE VOLTAGE FOR EACH CARRIER IS 120/240 1-PHASE, AND SERVICE SIZES ARE TYPICAL 200A PER CARRIER.
2. DISTRIBUTION PANEL IS 800A, 120/240V 1-PHASE, WITH 200A C/B FOR THE LISTED CARRIER OUTPUT. PANEL HAS (3) 200A BREAKER SPACES FOR FUTURE CARRIERS.
3. AUTOMATIC TRANSFER SWITCH (ATS) ARE 200A 2-POLES, 120/240V 1-PHASE WITH SOLID NEUTRAL PER CARRIER.
4. ALL ELECTRICAL EQUIPMENT IS NEMA 3R RATED.
5. THE GENERATOR ELECTRICAL LOADS ARE ADEQUATE FOR THE CONNECTED LOADS.
6. ALL EQUIPMENT FURNISHED SHALL BE PROVIDED WITH EQUIPMENT RATED TO WITHSTAND FAULT CURRENT AVAILABLE AT PROJECT SITE.
7. ALL WIRE AND PANEL BUSSING SHALL BE COPPER UNLESS ALLOWED ELSEWHERE IN THIS DOCUMENT SET, WIRE SIZES ARE BASED ON COPPER.
8. A NEW SET OF PLANS WILL BE PROVIDED AND SUBMITTED FOR ADDITIONAL CARRIERS.
9. ALL WORK SHALL CONFORM WITH THE CURRENT VERSION OF THE NEC AND ALL OTHER APPLICABLE CODES.
10. FIRST OVER-CURRENT PROTECTION DEVICE IS INTEGRAL TO GENERATOR. FEEDER SIZES INDICATED IN TABLE ABOVE ARE DOWNSTREAM OF THE FIRST OVER-CURRENT PROTECTION DEVICE.
11. INLINE BREAKER AT GENERATOR IS FACTORY INSTALLED, AND IS THE MANUFACTURER'S RECOMMENDED SIZE.

2 GENERATOR SET SIZING CHARTS

ADVANCED ENGINEERING GROUP, P.C.
Civil Engineering - Site Development
Surveying - Telecommunications
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WIRING DIAGRAM
& SIZING CHARTS

SHEET NUMBER:	REV. #
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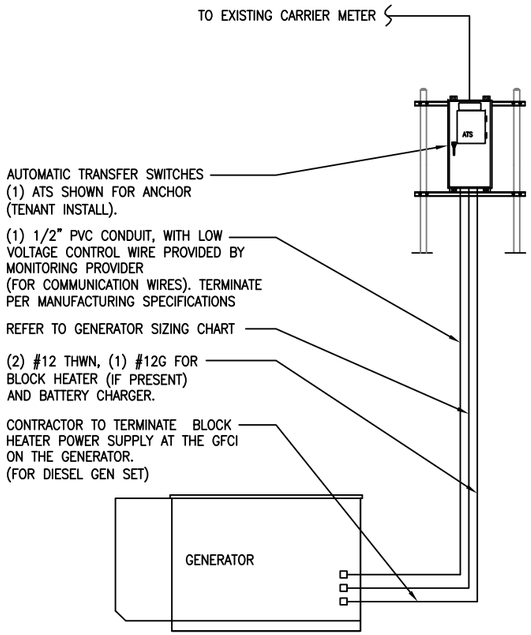
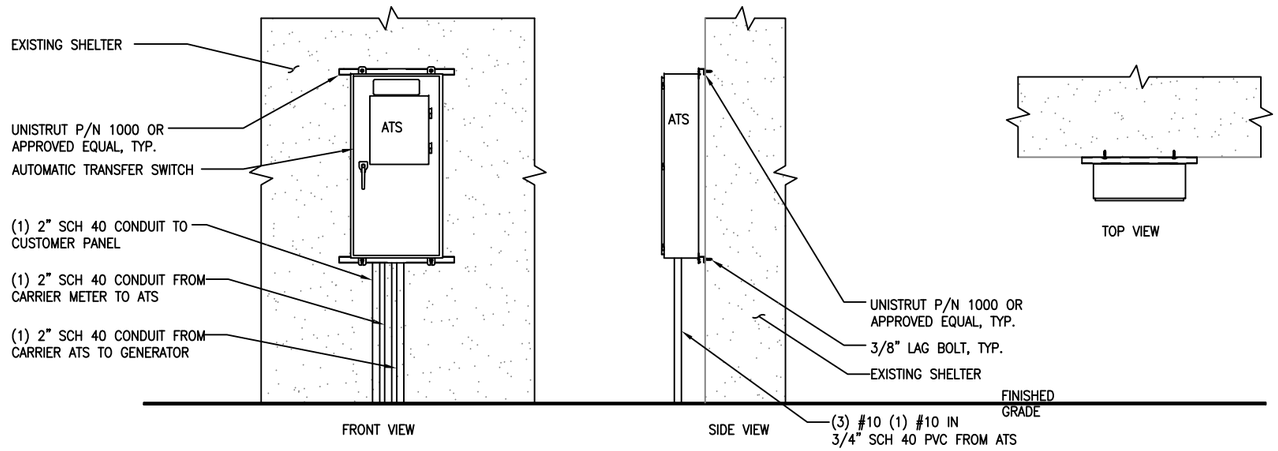
NOTE: UTILITY POWER FEEDS SHALL BE CONNECTED TO THE TRANSFER SWITCH FROM THE LOAD SIDE OF THE EXISTING SERVICE DISCONNECT. NO MODIFICATIONS SHALL BE MADE ON THE LINE SIDE OF THE EXISTING SERVICE DISCONNECT.



DISCONNECT POWER FEED FROM EXISTING METER TO EXISTING SHELTER. ROUTE NEW FEEDERS (SIZED BELOW) FROM METER TO NEW TRANSFER SWITCH AND BACK. RECONNECT NEW RETURN FEED FROM TRANSFER SWITCH TO SUPPLY POWER (UTILITY AND BACK-UP POWER) TO EXISTING SHELTER.

1 METER CONFIGURATION



2 ATS MOUNTING DETAIL

SCALE: NOT TO SCALE

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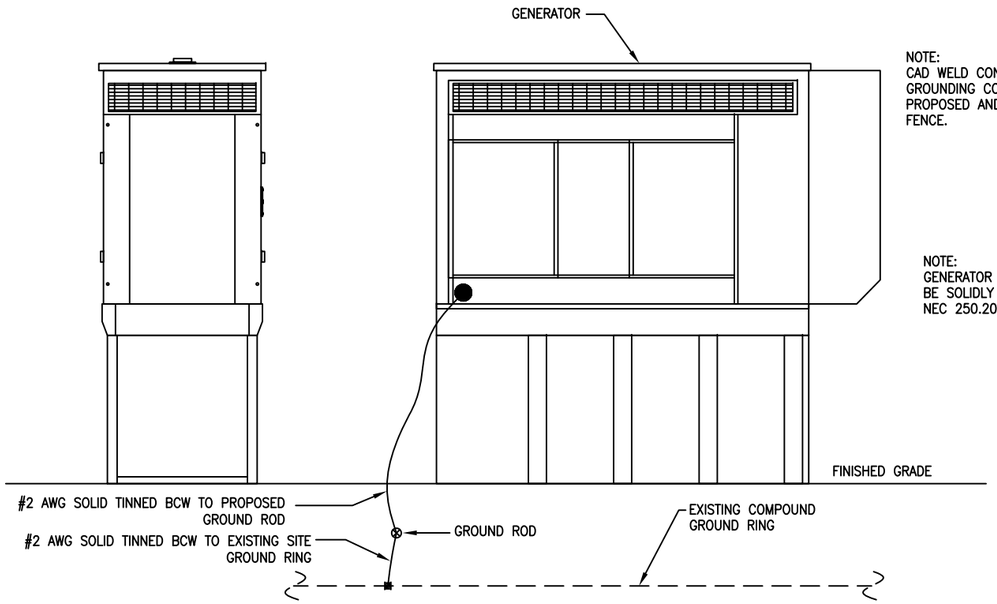
SHEET TITLE:	ELECTRICAL & ATS MOUNTING DETAILS
SHEET NUMBER:	E-2
REV. #	0



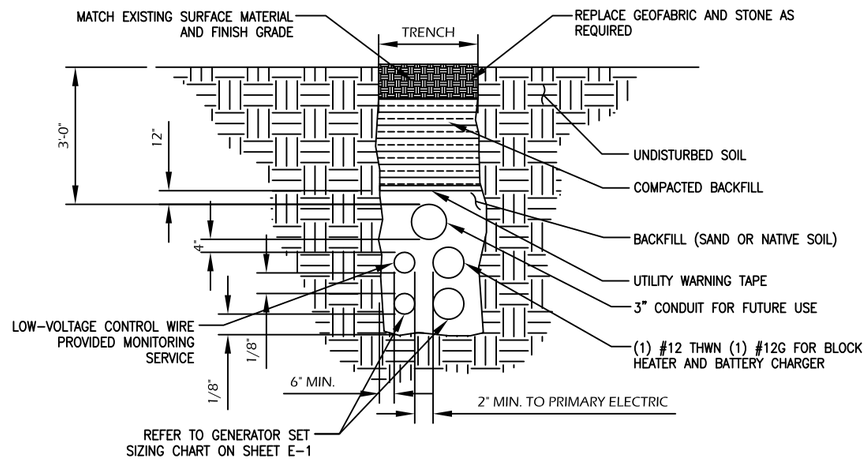
NOTE:
CAD WELD CONNECTION FOR GROUNDING CONDUCTORS BETWEEN PROPOSED AND EXISTING SECTIONS OF FENCE.

NOTE:
GENERATOR SYSTEM SHALL BE SOLIDLY GROUNDED PER NEC 250.20.

1 GENERATOR ELEVATION

NOTES:

1. CONTRACTOR TO HAND DIG ALL NEW TRENCHES INSIDE COMPOUND.
2. SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.



2 TRENCH DETAIL
SCALE: NOT TO SCALE

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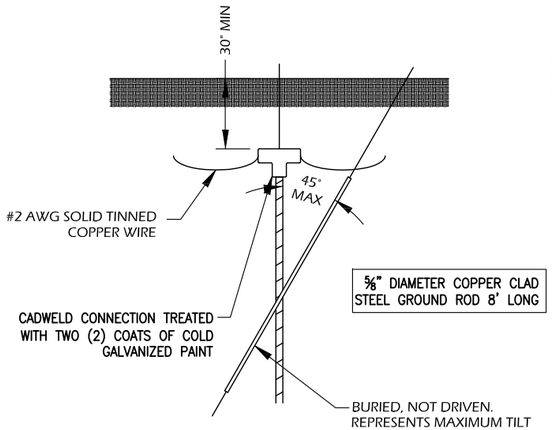
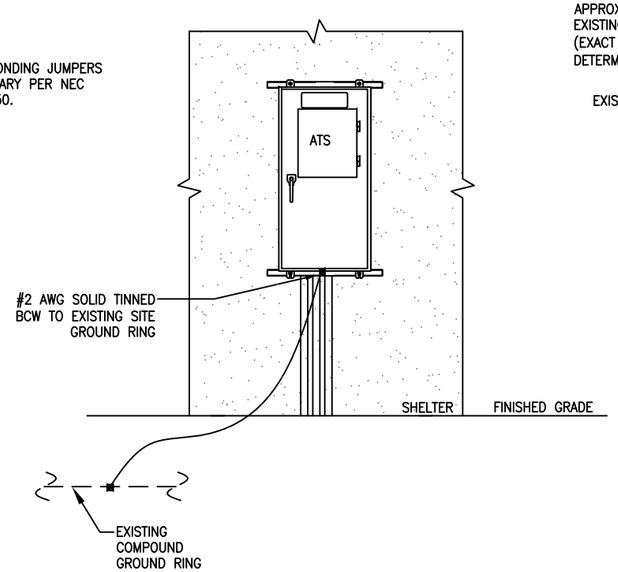
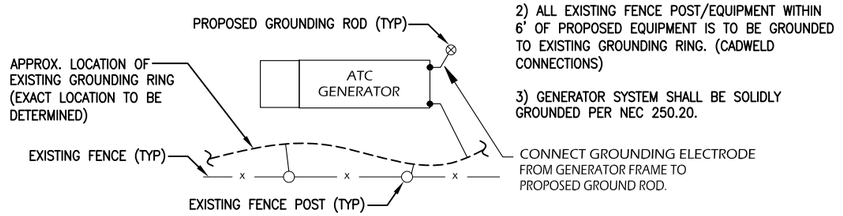


4 GROUND ROD DETAIL

NOTE:
PROVIDE BONDING JUMPERS AS NECESSARY PER NEC SECTION 250.



3 ATS ELEVATION



5 GENERATOR GROUND RING DETAIL

NOTES:
1) GENERATOR TO BE CONNECTED TO EXISTING GROUNDING RING (MIN 1 LOCATION).

2) ALL EXISTING FENCE POST/EQUIPMENT WITHIN 6' OF PROPOSED EQUIPMENT IS TO BE GROUNDED TO EXISTING GROUNDING RING. (CADWELD CONNECTIONS)

3) GENERATOR SYSTEM SHALL BE SOLIDLY GROUNDED PER NEC 250.20.

NOTES:
1. ELECTRICIAN SHALL VERIFY THAT GENERATOR IS INSTALLED SO THAT ELECTRICAL BACK-FEEDS ARE NOT POSSIBLE.
2. ELECTRICIAN SHALL VERIFY THAT GROUNDING IS INSTALLED SO THAT NO CIRCULATING CURRENTS ARE POSSIBLE BY FOLLOWING DETAIL 3 SO GROUNDING IS CONNECTED TO EXISTING TOWER GROUND FIELD.
3. ALL LIGHTNING GROUNDING SHALL BE FREE OF KINKS AND SHALL HAVE LONG RADIUS BENDS (MINIMUM 8").
4. ALL GROUNDING SHOULD BE INSTALLED PER CURRENT NEC, SECTION 250.
5. USE #2 AWG SOLID TINNED COPPER WIRE TO EXISTING
(2) FENCE POSTS AND CADWELD FROM GENERATOR GROUND RING

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550 COCHITUATE ROAD, SUITE 13 & 14
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SITE NUMBER:
10035078

SITE NAME:
ESSEX

SITE ADDRESS:
10 MAIN STREET
ESSEX, CT 06426

STAMP HERE:

DRAWN BY:	JTG
CHECKED BY:	SNA
DATE DRAWN:	12-27-13
JOB NO:	10035078

SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER:	REV. #
G-1	0