

Jacky Clifford

16 Chestnut Street, Suite 220 Foxboro, MA 02035 Tel (508) 446-1047 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 28 Brewer Drive (CEMETARY), Bloomfield, CT 06002 (FA#10035118)

Dear Ms. Bachman:

American Telephone and Telegraph Company ("AT&T") currently maintains a wireless telecommunications facility at the above referenced address. The tower and AT&T's shelter are both located within an existing, fenced-in compound 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 remain within the existing, fenced-in compound. The new generator and tank with be surrounded by a security fence and gate and will be placed on a 4' x 8' concrete pad. (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 Bloomfield. A copy of this submission is also being sent to Crown Castle, 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.
- 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,

## Jacky Clifford 508.446.1047

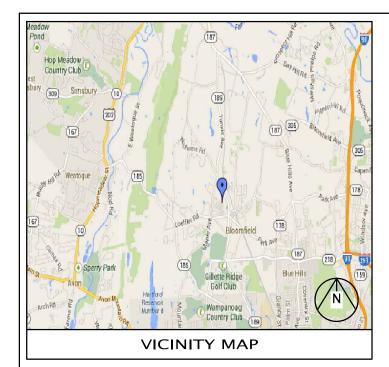
On behalf of AT&T

c/o Tower Resource Management, Inc. 16 Chestnut Street, Suite 220 Foxboro, MA 02035 (508) 446 - 1047

cc: **Town of Bloomfield, CT** 

Exhibit 1

Site Plan



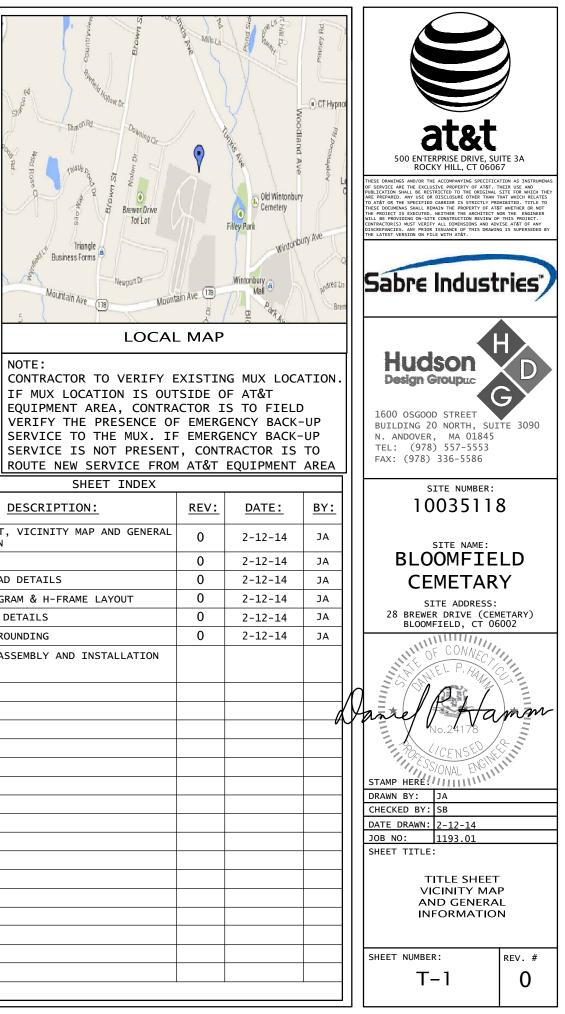


# BACKUP POWER PROJECT

SITE IDENTIFICATION:

SITE NUMBER: 10035118 SITE NAME: BLOOMFIELD CEMETARY

SITE ADDRESS: 28 BREWER DRIVE (CEMETARY) BLOOMFIELD, CT 06002

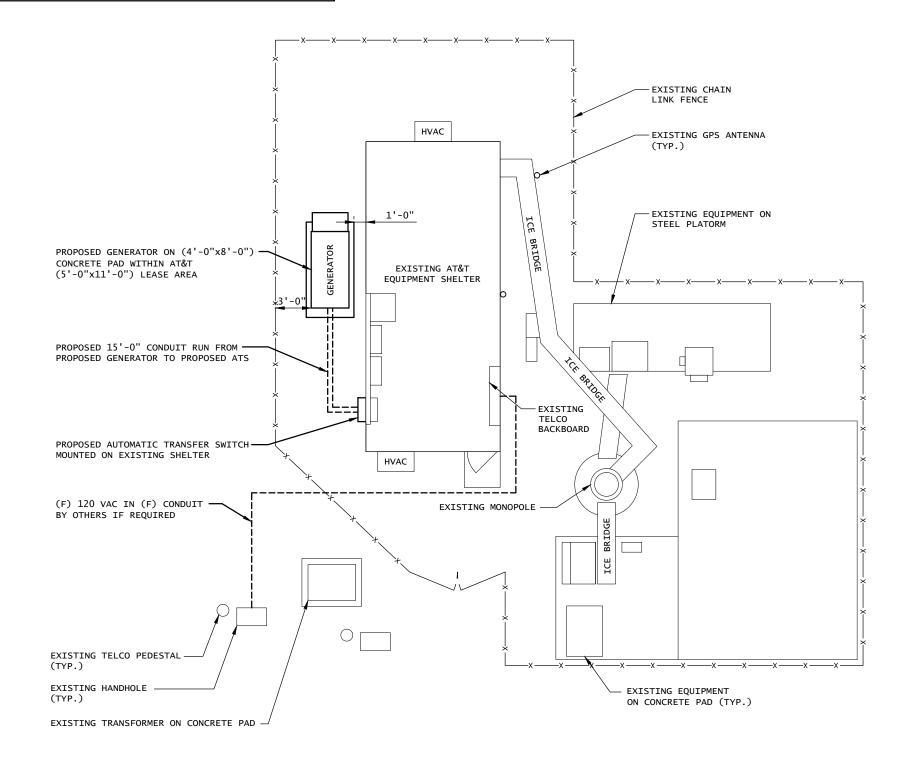




# **PROJECT DESCRIPTION:** THE PROPOSED PROJECT INCLUDES PLACING A 50 KW GENERATOR IN AN EXISTING CELLULAR TOWER COMPOUND.

PROJECT TEAM PROJECT SUMMARY PROJECT NOTES SHT GEOGRAPHIC COORDINATES: APPLICANT: 1. THE FACILITY IS UNMANNED. NO: LATITUDE: 41° 50' 06.57" N (41.835159 N) AT&T MOBILITY TITLE SHEET, VICINITY MAP AND GENERAL LONGITUDE: -72° 44' 28.20" W (-72.741166 W) 550 COCHITUATE ROAD 2. A TECHNICIAN WILL VISIT THE SITE т-1 INFORMATION APPROXIMATELY ONCE A MONTH FOR ROUTINE GROUND ELEVATION: N/A SUITES 13 & 14 FRAMINGHAM, MA 01701 INSPECTION AND MAINTENANCE. SITE PLAN A-1 CODE BLOCK: A-2 CONCRETE PAD DETAILS 3. THE PROJECT WILL NOT RESULT IN ANY BUILDING CODE: CUSTOMER REPRESENTATIVE: SIGNIFICANT LAND DISTURBANCE OR EFFECT WIRING DIAGRAM & H-FRAME LAYOUT 2003 INTERNATIONAL BUILDING CODE & 2005 E-1 OF STORM WATER DRAINAGE. PEGGY POOR CT STATE BUILDING CODE WITH 2009 & 2011 E-2 ELECTRICAL DETAILS SABRE INDUSTRIES AMENDMENTS 4. NO SANITARY SEWER, POTABLE WATER OR MARKET LEAD - AT&T NE GENERATOR PROGRAM G-1 COMPOUND GROUNDING TRASH DISPOSAL IS REQUIRED. 13010 MORRIS ROAD, 6TH FLOOR, BLDG 1 AT&T OPS FOR POWER CUT OVER: GENERATOR ASSEMBLY AND INSTALLATION ALPHARETTA, GA 30004 5. HANDICAP ACCESS IS NOT REQUIRED. SUPPLEMENT NEED 24 HOUR NOTICE CELL 770-990-0137 ppoor@sabreindustries.com TO OPEN A TAP TICKET DIAL: 1-800-638-2822 PROJECT LOCATION DIRECTIONS SELECT OPTION 1, THEN OPTION 2 LANDLORD: CROWN FROM ROCKY HILL: MERGE ONTO I-91 N VIA 2000 CORPORATE DRIVE THE RAMP ON THE LEFT TOWARD HARTFORD. 12.6 MILES TAKE THE CT-218 EXIT- EXIT CANONSBURG, PENNSYLVANIA 15317 CROWN CASTLE USA 35B- TOWARD WINDSOR / BLOOMFIELD. 0.5 MILES TURN LEFT ONTO CT-218 / PUTNAM HWY. CONTINUE TO FOLLOW CT-218 W. 2.3 UTILITIES: MILES TURN RIGHT ONTO SCHOOL ST. 0.4 POWER COMPANY: MILES TURN LEFT ONTO PARK AVE / CT-178. NAME: NORTHEAST UTILITIES CONTINUE TO FOLLOW CT-178. 2.2 MILES TURN RIGHT ONTO BROWN ST. <0.1 MILES TURN RIGHT ONTO NEWPORT DR. <0.1 MILES TURN LEFT ONTO NOLAN DR. 0.1 MILES TURN RIGHT ONTO BREWER DR. 0.2 MILE. END AT 28 BREWER DRIVE.

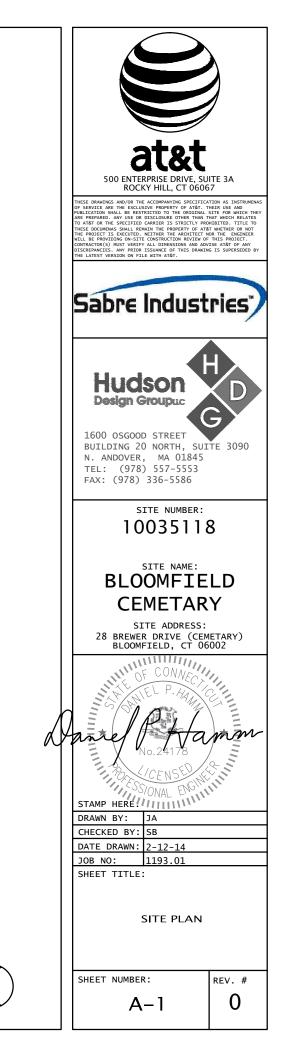
NOTE: CONTRACTOR TO VERIFY EXISTING MUX LOCATION. IF MUX LOCATION IS OUTSIDE OF AT&T EQUIPMENT AREA, CONTRACTOR IS TO FIELD VERIFY THE PRESENCE OF EMERGENCY BACK-UP SERVICE TO THE MUX. IF EMERGENCY BACK-UP SERVICE IS NOT PRESENT, CONTRACTOR IS TO ROUTE NEW SERVICE FROM AT&T EQUIPMENT AREA

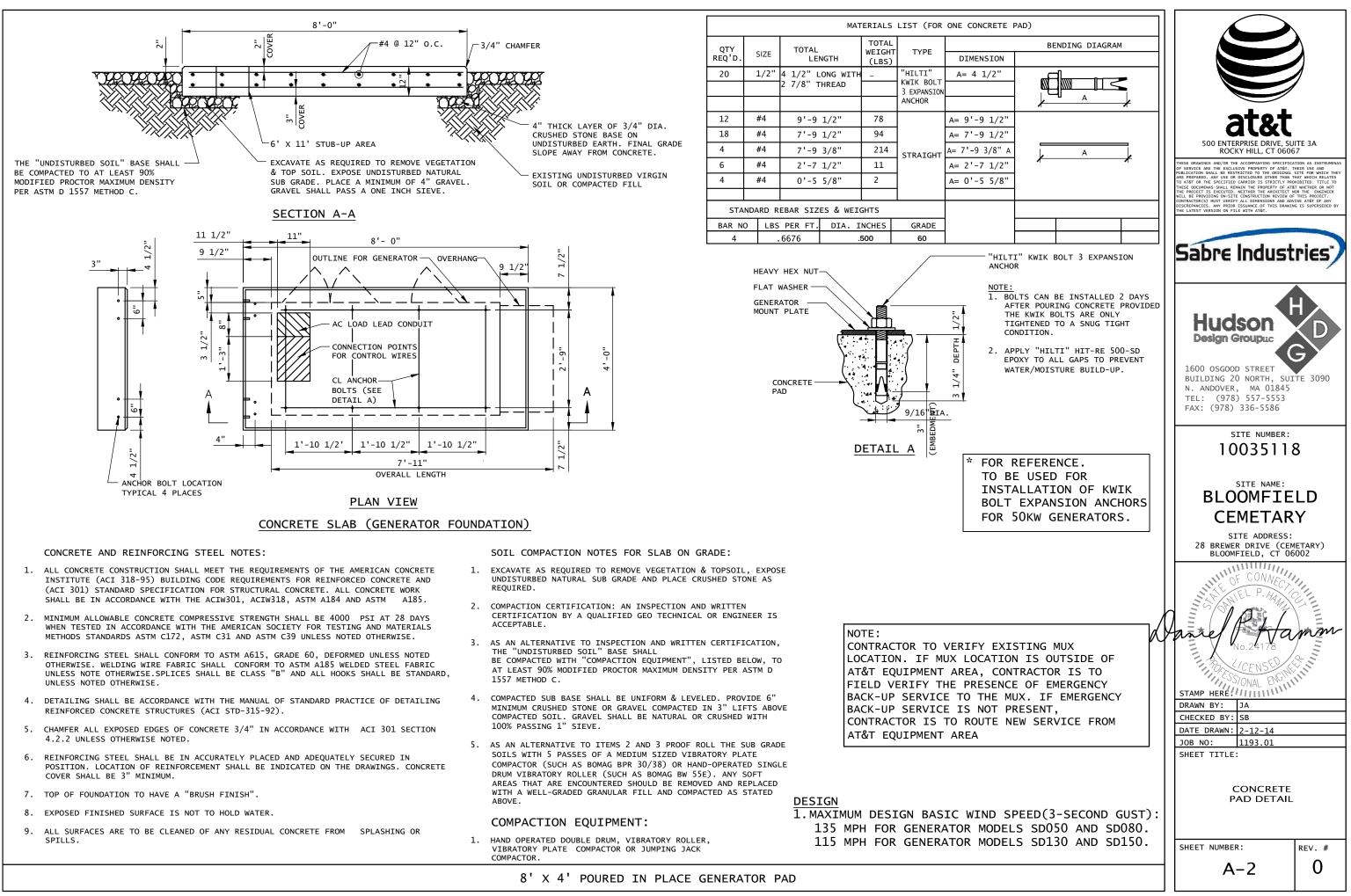


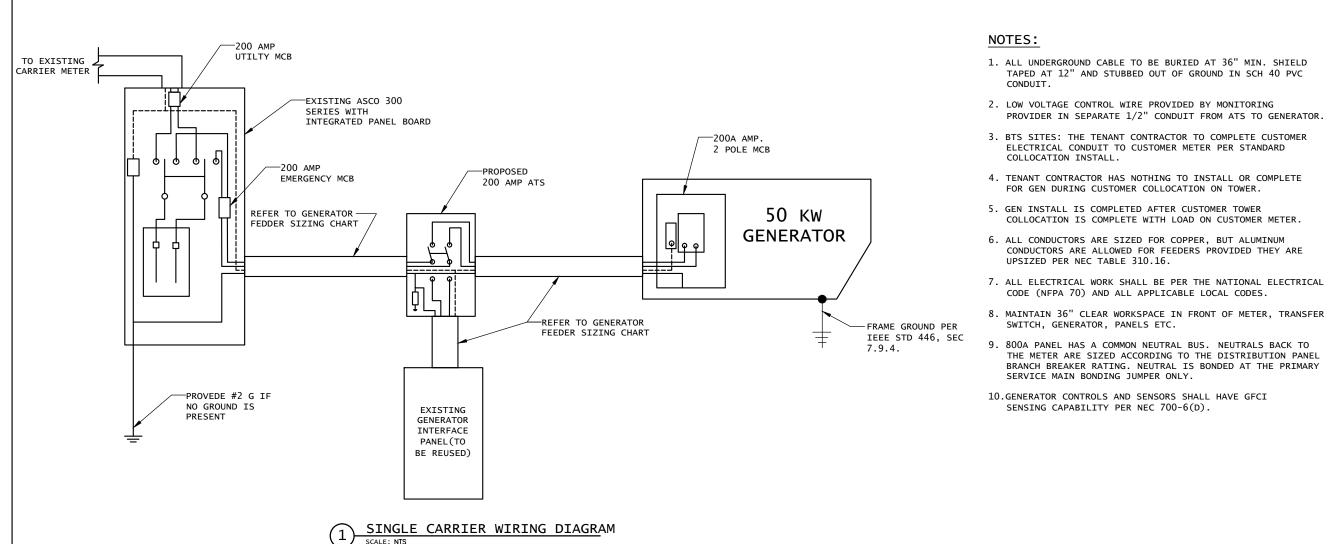
 SITE PLAN

 SCALE: 1/8" = 1'-0" (11"X17")

 1/4" = 1'-0" (24"X36")







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

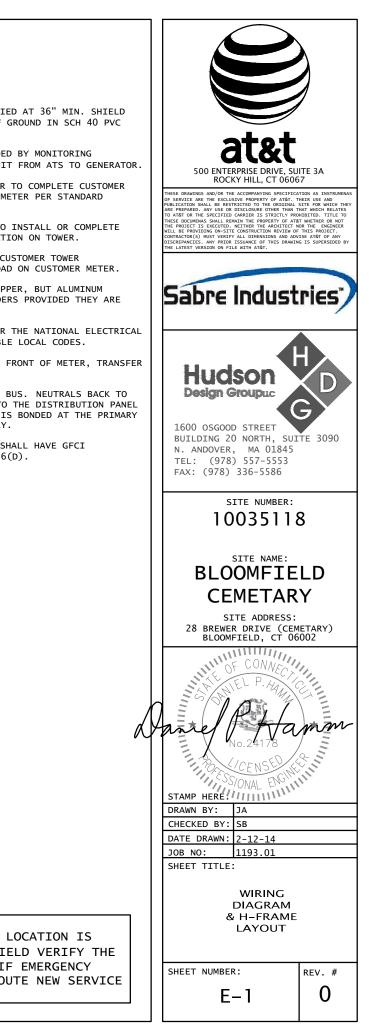
#### NOTES:

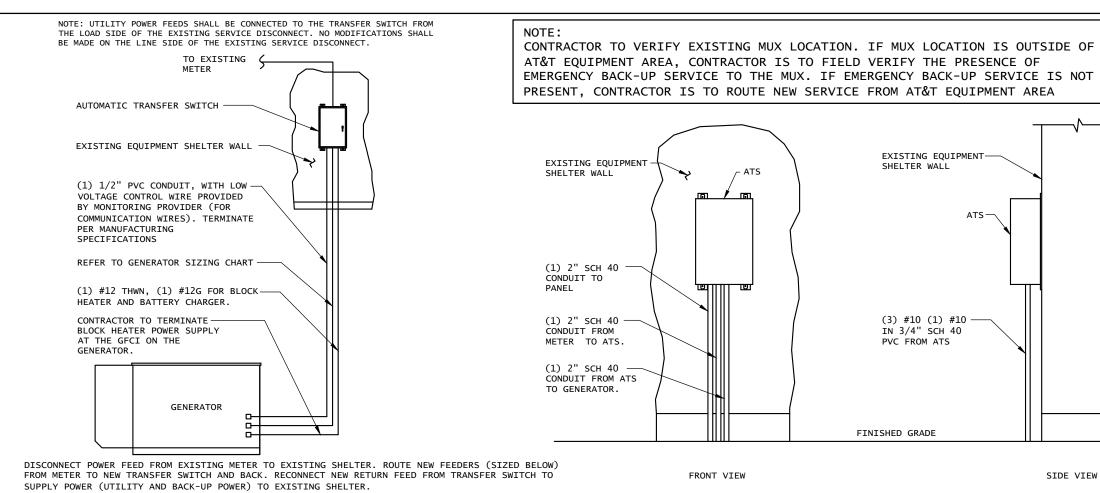
- SERVICE VOLTAGE IS 120/240 1-PHASE, AND SERVICE SIZES ARE TYPICAL 220A. 1.
- 2. AUTOMATIC TRANSFER SWITCH (ATS) ARE 200A, 2-POLES, 120/240V 1-PHASE WITH SOLID NEUTRAL.
- ALL EXTERIOR ELECTRICAL EQUIPMENT IS NEMA 3R RATED. 3.
- THE GENERATOR ELECTRICAL LOADS ARE ADEQUATE FOR THE CONNECTED LOADS. 4.
- 5. ALL EQUIPMENT FURNISHED SHALL BE PROVIDED WITH EQUIPMENT RATED TO WITHSTAND FAULT CURRENT AVAILABLE AT PROJECT SITE.
- ALL WIRE AND PANEL BUSSING SHALL BE COPPER UNLESS ALLOWED ELSEWHERE IN THIS DOCUMENT SET, WIRE SIZES ARE BASED ON COPPER. 6.
- ALL WORK SHALL CONFORM WITH THE CURRENT VERSION OF THE NEC AND ALL OTHER APPLICABLE CODES. 7.
- FIRST OVER-CURRENT PROTECTION DEVICE IS INTEGRAL TO GENERATOR . FEEDER SIZES INDICATED IN TABLE ABOVE ARE DOWNSTREAM OF 8.
- THE FIRST OVER-CURRENT PROTECTION DEVICE.
- 9. INLINE BREAKER AT GENERATOR IS FACTORY INSTALLED, AND IS THE MANUFACTURERS RECOMMENDED SIZE.



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- TAPED AT 12" AND STUBBED OUT OF GROUND IN SCH 40 PVC
- PROVIDER IN SEPARATE 1/2" CONDUIT FROM ATS TO GENERATOR.
- ELECTRICAL CONDUIT TO CUSTOMER METER PER STANDARD
- FOR GEN DURING CUSTOMER COLLOCATION ON TOWER.
- 5. GEN INSTALL IS COMPLETED AFTER CUSTOMER TOWER COLLOCATION IS COMPLETE WITH LOAD ON CUSTOMER METER.
- 6. ALL CONDUCTORS ARE SIZED FOR COPPER. BUT ALUMINUM CONDUCTORS ARE ALLOWED FOR FEEDERS PROVIDED THEY ARE UPSIZED PER NEC TABLE 310.16.
- 7. ALL ELECTRICAL WORK SHALL BE PER THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL APPLICABLE LOCAL CODES.
- SWITCH, GENERATOR, PANELS ETC.
- 800A PANEL HAS A COMMON NEUTRAL BUS. NEUTRALS BACK TO THE METER ARE SIZED ACCORDING TO THE DISTRIBUTION PANEL BRANCH BREAKER RATING. NEUTRAL IS BONDED AT THE PRIMARY SERVICE MAIN BONDING JUMPER ONLY.
- SENSING CAPABILITY PER NEC 700-6(D).



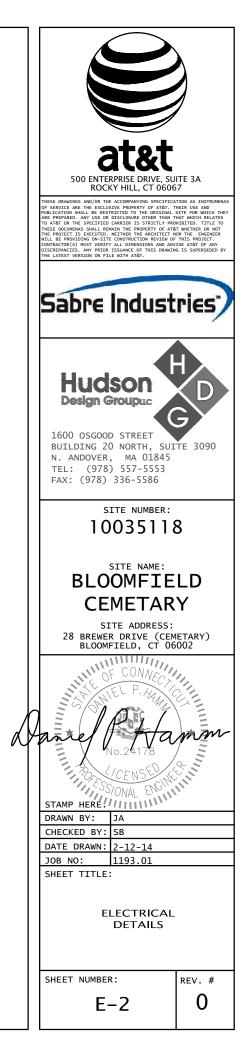


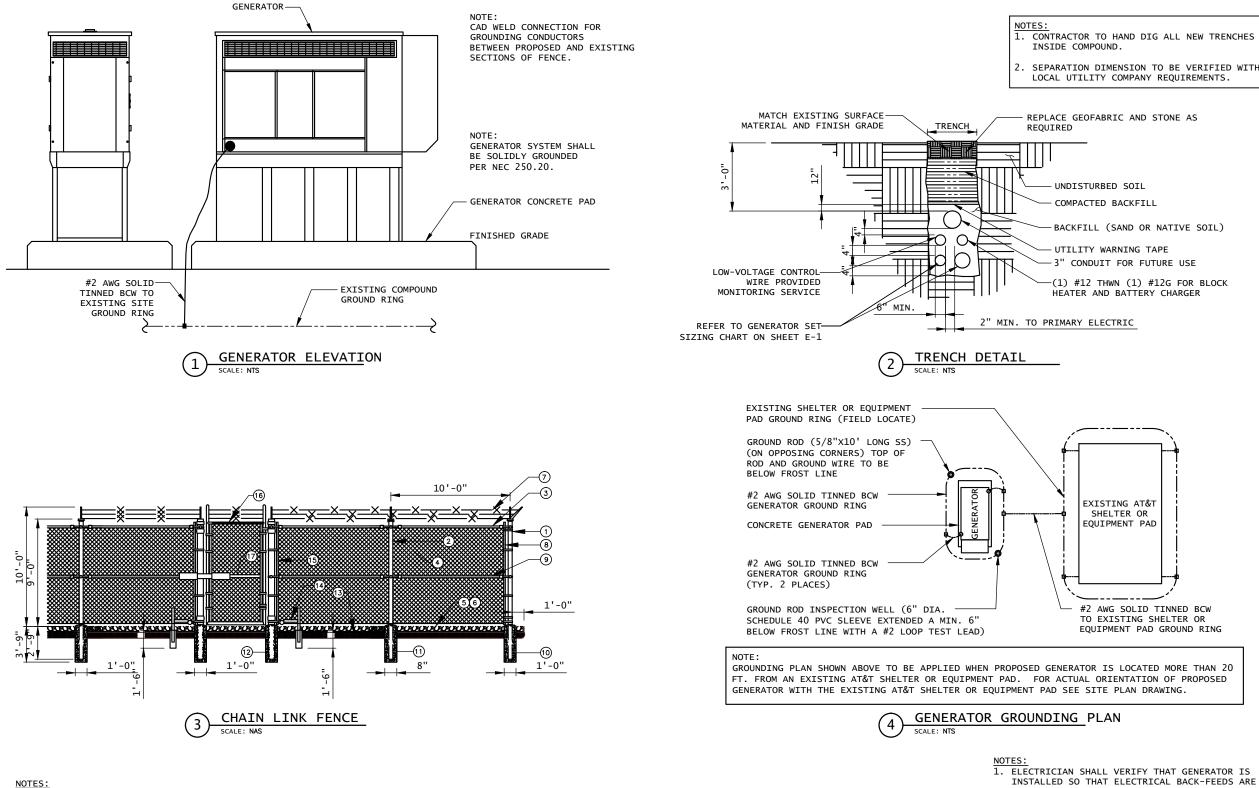
1 METER CONFIGURATION

2 AUTOMATIC TRANSFER SWITCH LAYOUT

				$\cup$			
	SI	TE GENERATOR CO	NTROL & ALARM	S RECEP	TACLE		
Distributor for Deutsch connectors	is LADD Industries. Conta	act: Melissa Watkins (800)-223-7	1236 melissaw @laddinc.con	ו L4	ADD w ebsite:	LADD Industries- Deutsch IPD Electrica	I Connectors
GENERATOR FUNCTION		-L012 SITE RECEPTACLE FOR ALARMS & CONTROL	CONNECTING CABLE			SITE CONNECTIONS	
	SOCKET PART #	PIN#	TYPE & PART #	SIZE	COLOR		
(CONTROL)	#16 AWG 1062-20-0122	1	SJTO (2 Conductor)	#16 AWG	BLACK	AUTO TRANSFER SWITCH ENGINE CONTROL LEADS (FOR CINGULAR STANDARD: INTERSECT/ASCO USE TB 14 & 15 -	"CLOSE" = ENGINE START (NO )
AUTOMATIC START/STOP	#16 AWG 1062-20-0122	2	ANIXTER #4BT-1602	#16 AWG	WHITE		
(ALARM)	#22 AWG 0462-201-20141	3		#22 AWG	BLACK	SITE EXTERNAL ALARM BLOCK (GENERATOR RUNNING-MAJOR)	<pre>"CLOSE" = ALARM (NO) "CLOSE" = ALARM (NO) "CLOSE" = ALARM (NO) "OPEN" = ALARM (NC) "CLOSE" = ALARM (NC)</pre>
GENERATOR RUNNING	#22 AWG 0462-201-20141	4		#22 AWG	WHITE		
(ALARM)	#22 AWG 0462-201-20141	5		#22 AWG	RED	SITE EXTERNAL ALARM BLOCK (GENERATOR LOW FUEL-CRITICAL)	
GENERATOR LOW FUEL	#22 AWG 0462-201-20141	6		#22 AWG	GREEN		
(ALARM) GENERATOR FAIL - MAJOR [SHUTDOWN]	#22 AWG 0462-201-20141	7	(10 Conductor) BELDE	N #22 AWG	BROWN	SITE EXTERNAL ALARM BLOCK (GENERATOR FAIL - CRITICAL)	
	#22 AWG 0462-201-20141	8	8456	#22 AWG	BLUE		
(ALARM) GENERATOR MISSING [THEFT]	#22 AWG 0462-201-20141	9		#22 AWG	ORANGE	SITE EXTERNAL ALARM BLOCK (GENERATOR MISSING - MAJOR)	
	#22 AWG 0462-201-20141	10		#22 AWG	YELLOW		
(ALARM) GENERATOR WARNING - MINOR [NON-SHUTDOWN]	#22 AWG 0462-201-20141	11		#22 AWG	PURPLE	SITE EXTERNAL ALARM BLOCK (GENERATOR WARNING - MAJOR)	
	#22 AWG 0462-201-20141	12		#22 AWG	GRAY		
NA	WM-12S	RECEPTACLE WEDGE LOCK	NA	NA	NA	NA	NA

SITE GENERATOR CONTROL & ALARMS PLUG (GENERATOR MISSING BYPASS WHEN GENERATOR NOT IN USE - PREVENTS GENERATOR MISSING ALARM)





- 1. CORNER, END OR PULL POST 4" SCHEDULE 40 PIPE.
- 2. LINE POST: 2 1/2" SCHEDULE 40 PIPE, PER ASTM-F1083 LINE POST SHALL BE EQUALLY SPACED AT MAXIMUM
- 8'-0" O.C. 3. TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083.
- 4. FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- 5. TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL AT AND RAILS A SINGLE WRAP OF FABRIC POSTS TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX. 24" INTERVALS.
- 6. TENSION WIRE: 9 GA, GALVANIZED STEEL.
- 7. BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH WITH FABRIC 14 GA, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS. 8. STRETCHER BAR.

- 9. FENCE CORNER POST BRACE: 1 5/8" DIA. EACH CORNER FACH WAY. 10
- CORNER POST: CONCRETE FOUNDATION (3000 PSI).
- 11. LINE POST: CONCRETE FOUNDATION (3000 PSI). GATE POST: CONCRETE FOUNDATION (3000 PSI). 12.
- 2" FINISH OR AS DETERMINED BY CONSTRUCTION 13.
- MANAGER DURING BID WALK.
- DUCK BILL OPEN GATE HOLDER. VERIFY LOCATION 14. IN FIELD PRIOR TO INSTALLATION.
- 15. GATE FRAME BRACE: 1 5/8" DIAMETER.
- GATE FRAME: 1 1/2" PIPE SCH. 40, PER 16. ∆STM-F1083
- 17. GATE FRAME BRACE: 1 5/8" DIAMETER.

#### NOTE:

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

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 CONNECTED TO EXISTING TOWER GROUND FIELD.
- 4
- NEC, SECTION 250.
  - (2) FENCE POSTS AND CADWELD FROM GENERATOR GROUND RING
- 6. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2" OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING USING AN EXOTHERMIC WELD CONNECTION USING #2 NEC 250.50.

POSSIBLE BY FOLLOWING DETAIL 3 SO GROUNDING IS 3. ALL LIGHTNING GROUNDING SHALL BE FREE OF KINKS AND SHALL HAVE LONG RADIUS BENDS (MINIMUM 8"). ALL GROUNDING SHOULD BE INSTALLED PER CURRENT

5. USE #2 AWG SOLID TINNED COPPER WIRE TO EXISTING

STEEL, MUST HAVE IT BONDED TO THE GROUND RING AWG SOLID BARE TINNED COPPER GROUND WIRE, PER

