

**Existing Verizon Wireless Cellular Coverage
Greenwich, Connecticut and Surrounding Area
(*Map Scale is 1:16,000)**

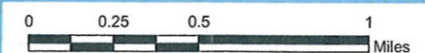
Coverage plot assumes 55% site loading on the Celco system



Legend

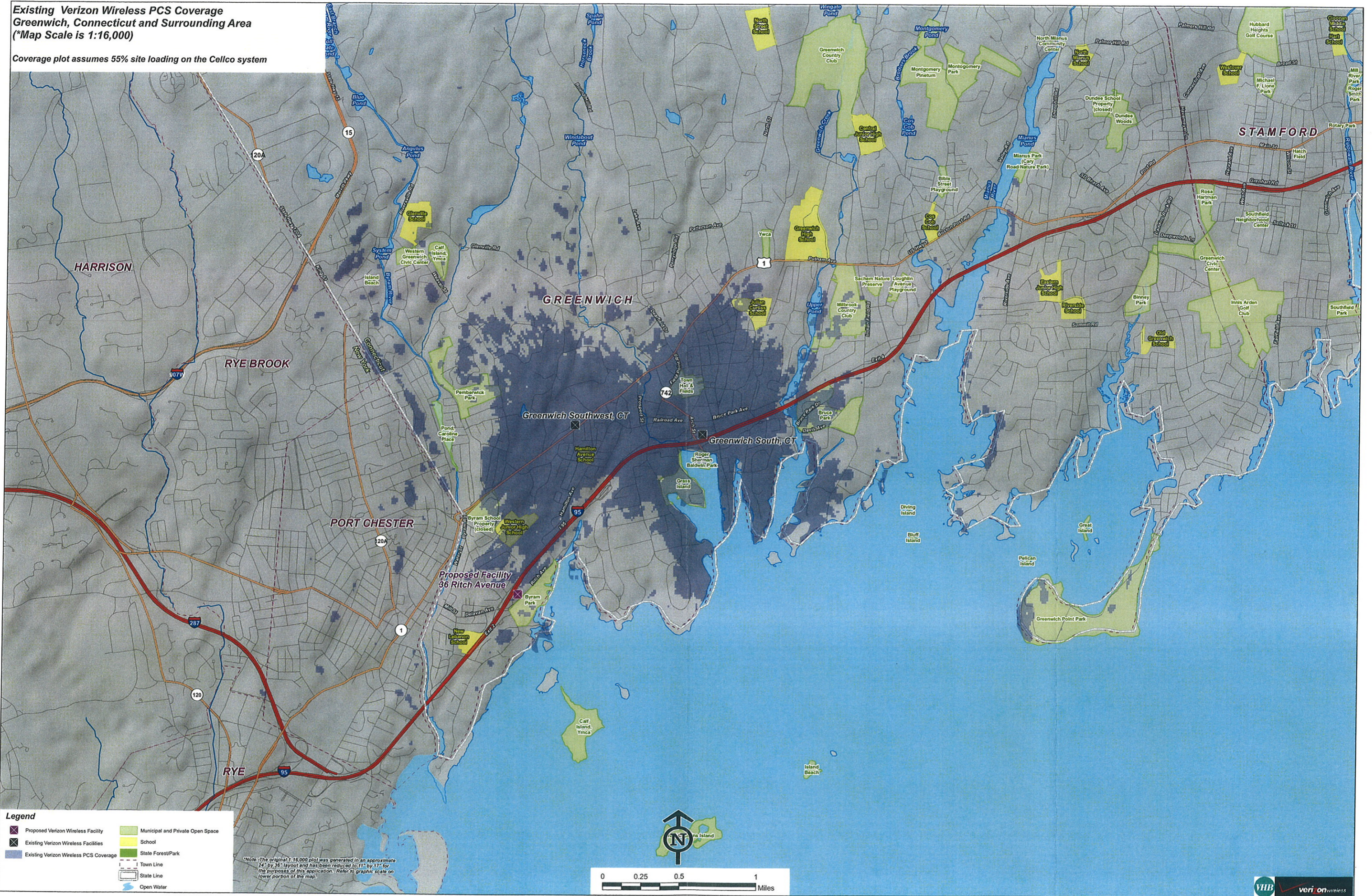
Proposed Verizon Wireless Facility	Municipal and Private Open Space
Existing Verizon Wireless Facilities	School
Existing Verizon Wireless Cellular Coverage	State Forest/Park
Town Line	Open Water
State Line	

Note: The original 1:16,000 plot was generated in an approximate 74" by 38" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of this map.



**Existing Verizon Wireless PCS Coverage
Greenwich, Connecticut and Surrounding Area
(*Map Scale is 1:16,000)**

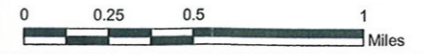
Coverage plot assumes 55% site loading on the Cellco system



Legend

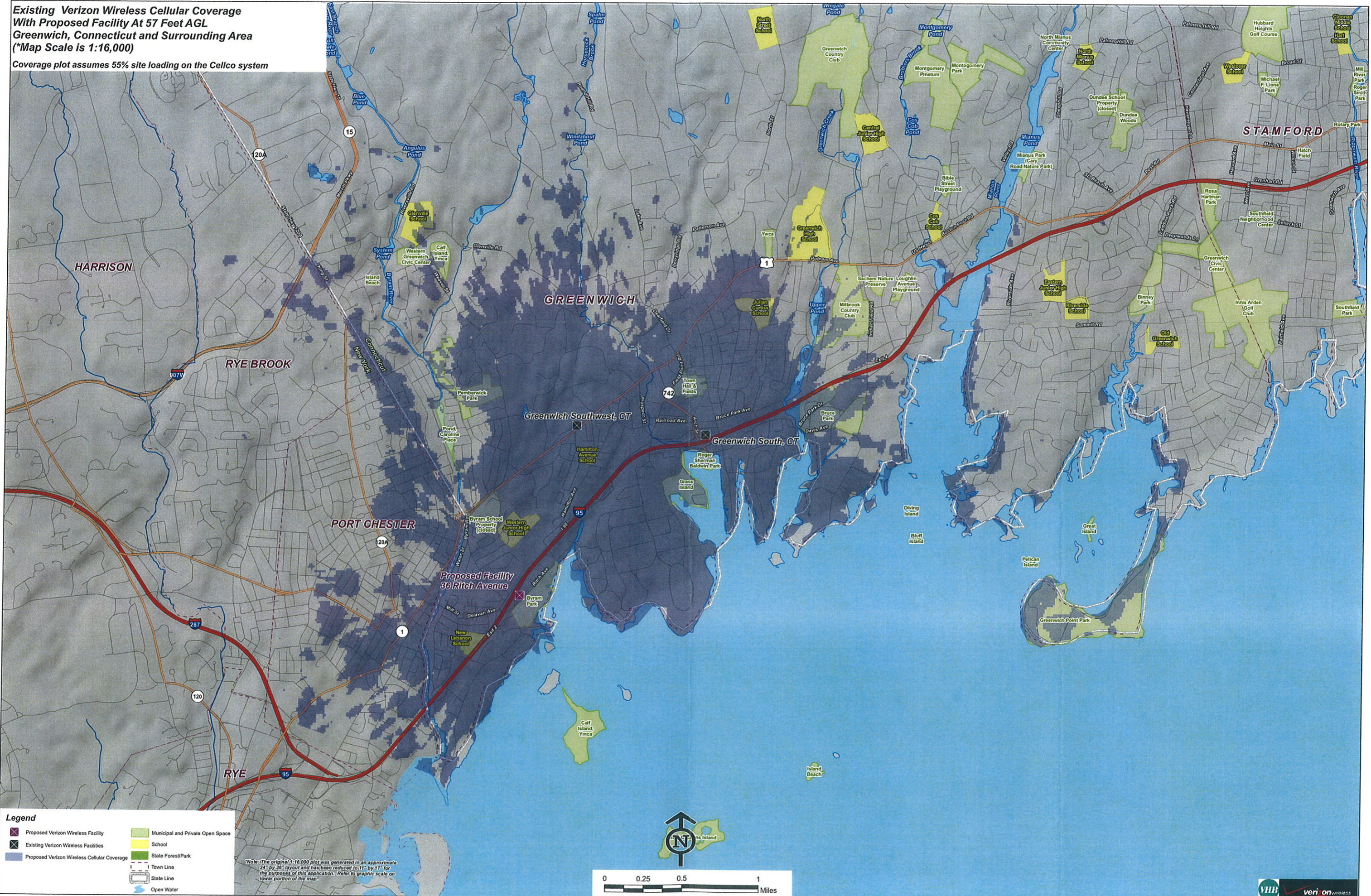
- Proposed Verizon Wireless Facility
- Municipal and Private Open Space
- Existing Verizon Wireless Facilities
- School
- Existing Verizon Wireless PCS Coverage
- State Forest/Park
- Town Line
- State Line
- Open Water

*Note: The original 1:16,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.



**Existing Verizon Wireless Cellular Coverage
With Proposed Facility At 57 Feet AGL
Greenwich, Connecticut and Surrounding Area
(*Map Scale is 1:16,000)**

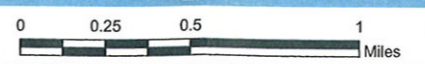
Coverage plot assumes 55% site loading on the Cellco system



Legend

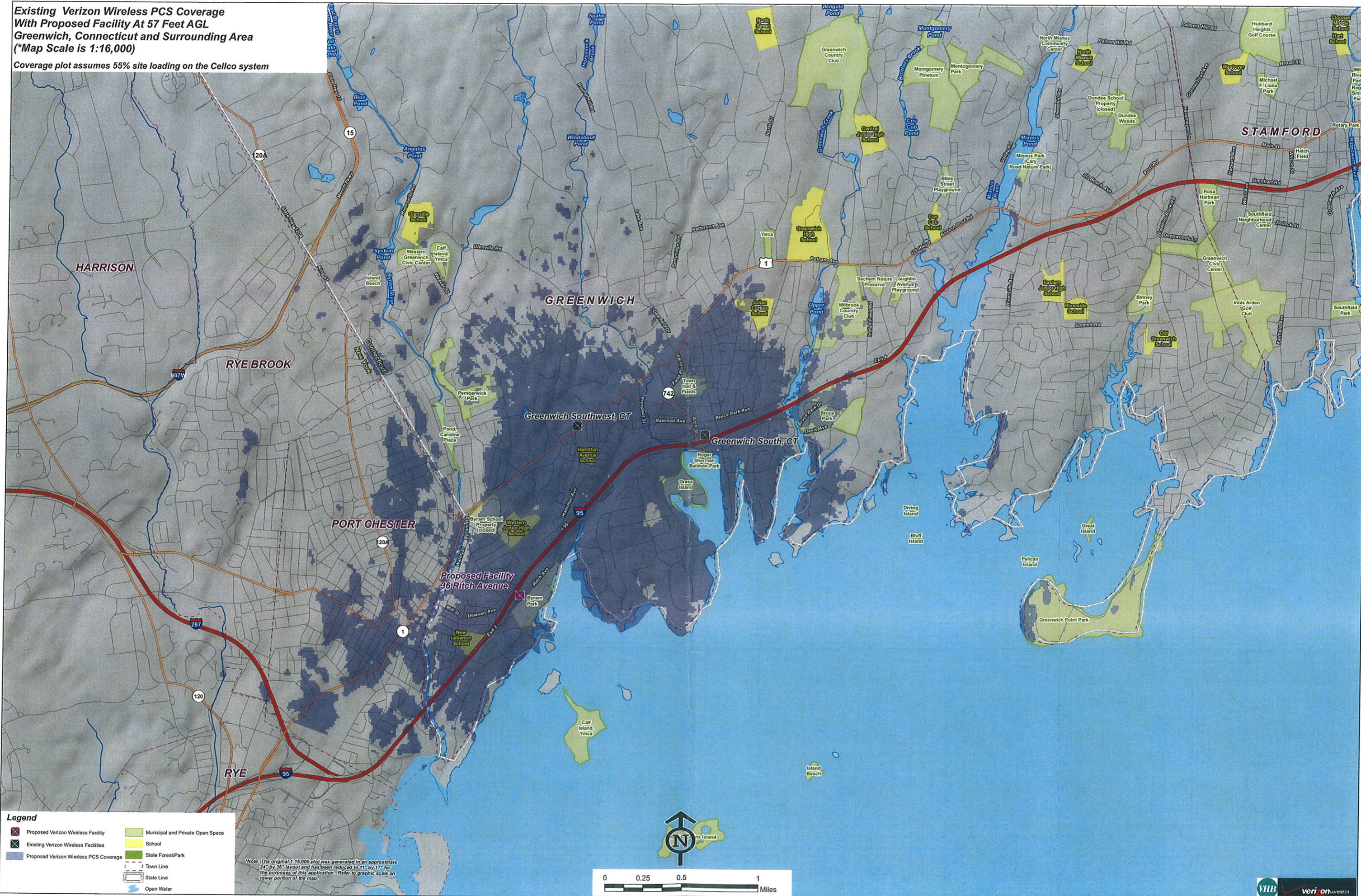
- ✖ Proposed Verizon Wireless Facility
- ✖ Existing Verizon Wireless Facilities
- Proposed Verizon Wireless Cellular Coverage
- Municipal and Private Open Space
- School
- State Forest/Park
- Town Line
- State Line
- ~ Open Water

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**Existing Verizon Wireless PCS Coverage
With Proposed Facility At 57 Feet AGL
Greenwich, Connecticut and Surrounding Area
(*Map Scale is 1:16,000)**


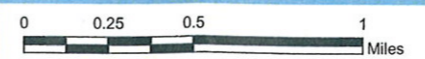
Coverage plot assumes 55% site loading on the Cellco system



Legend

- Proposed Verizon Wireless Facility
- Municipal and Private Open Space
- Existing Verizon Wireless Facilities
- School
- State Forest/Park
- Town Line
- State Line
- Open Water

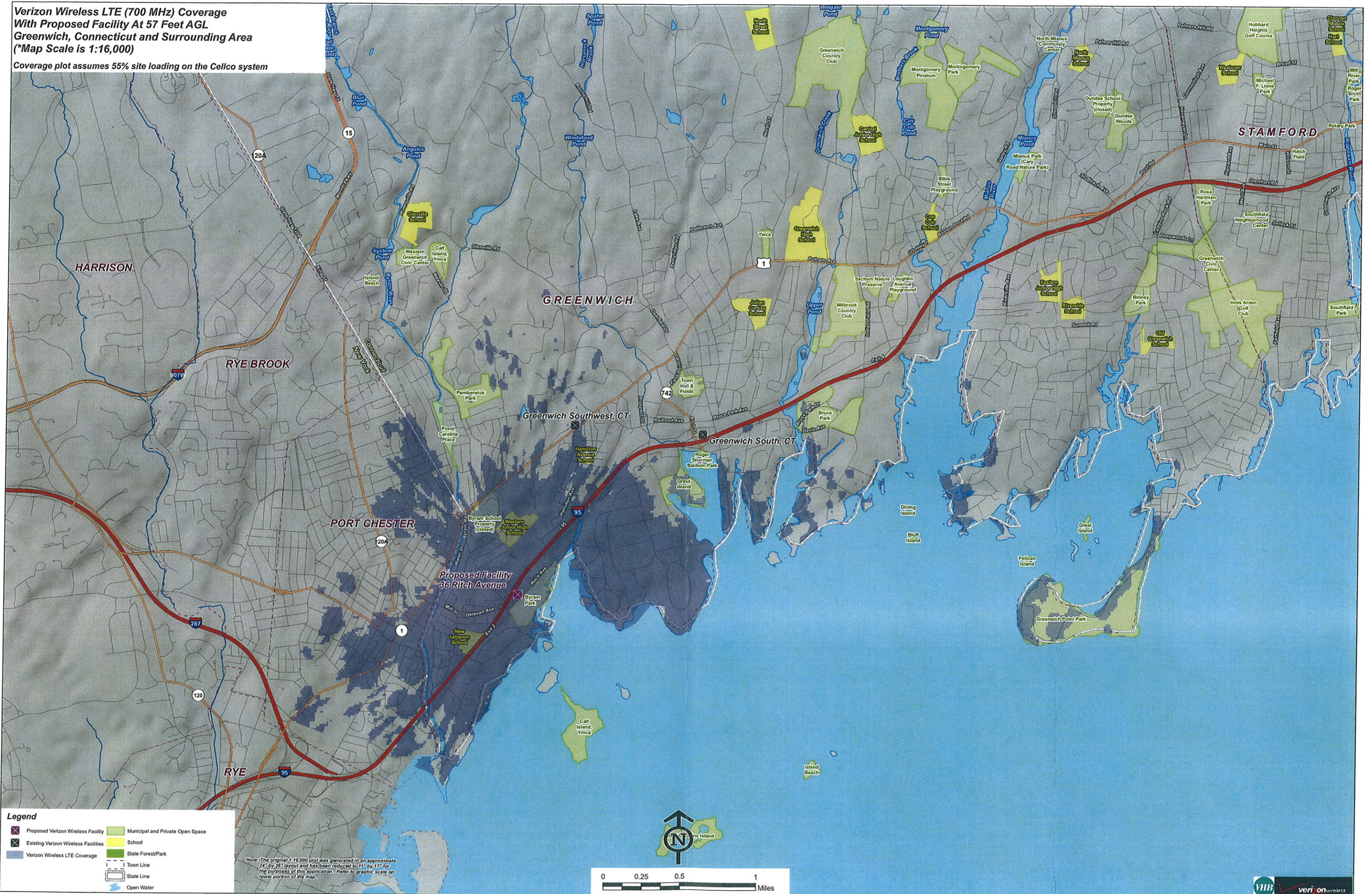
*Note: The original 1:16,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.

0 0.25 0.5 1 Miles

**Verizon Wireless LTE (700 MHz) Coverage
With Proposed Facility At 57 Feet AGL
Greenwich, Connecticut and Surrounding Area
(*Map Scale is 1:16,000)**

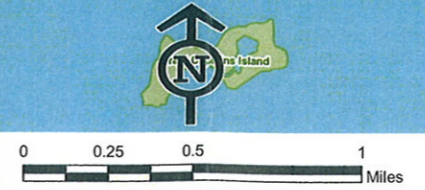
Coverage plot assumes 55% site loading on the Cellco system



Legend

- Proposed Verizon Wireless Facility
- Municipal and Private Open Space
- Existing Verizon Wireless Facilities
- School
- Verizon Wireless LTE Coverage
- State Forest/Park
- Town Line
- State Line
- Open Water

*Note: The original 1:16,000 plot was generated in an approximate 24" by 36" layout and has been reduced to 11" by 17" for the purposes of this application. Refer to graphic scale on lower portion of the map.



Product Specifications



DB846F65ZAXY

Directed Dipole™ Antenna, 806–960 MHz, 65° horizontal beamwidth, fixed electrical tilt



- Excellent azimuth roll-off, reducing soft hand-offs and improving capacity
- Deep null filling below the horizon for improved signal intensity
- Rugged, reliable design, light weight for low tower loading
- Air dielectric feed system

CHARACTERISTICS

General Specifications

Antenna Type	Directed Dipole™
Brand	Directed Dipole™
Operating Frequency Band	806 – 960 MHz

Electrical Specifications

	806–896	870–960
Frequency Band, MHz		
Beamwidth, Horizontal, degrees	65	60
Gain, dBd	14.5	14.8
Gain, dBi	16.6	16.9
Beamwidth, Vertical, degrees	11.0	10.5
Beam Tilt, degrees	0	0
Upper Sidelobe Suppression (USLS), typical, dB	15	15
Front-to-Back Ratio at 180°, dB	40	40
VSWR Return Loss, db	1.33:1 17.0	1.33:1 17.0
Intermodulation Products, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power, maximum, watts	500	500
Polarization	Vertical	Vertical
Impedance, ohms	50	50
Lightning Protection	dc Ground	dc Ground

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Product Specifications

DB846F65ZAXY



Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Back
Connector Quantity	1
Wind Loading, maximum	387.0 N @ 100 mph 87.0 lbf @ 100 mph
Wind Speed, maximum	241.4 km/h 150.0 mph

Dimensions

Depth	215.9 mm 8.5 in
Length	1828.8 mm 72.0 in
Width	254.0 mm 10.0 in
Net Weight	9.5 kg 21.0 lb

Regulatory Compliance/Certifications

Agency

RoHS 2002/95/EC
China RoHS SJ/T 11364-2006

Classification

Compliant by Exemption
Above Maximum Concentration Value (MCV)



INCLUDED PRODUCTS



DB5083

Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members



DB380

Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members

DB382NS

Side Offset Bracket for 4.5 in (114.3 mm) OD round members

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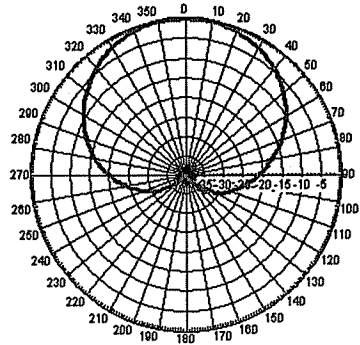
Product Specifications

DB846F65ZAXY

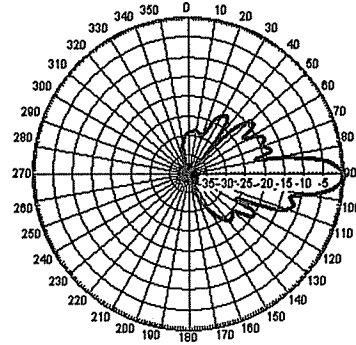


Horizontal Pattern

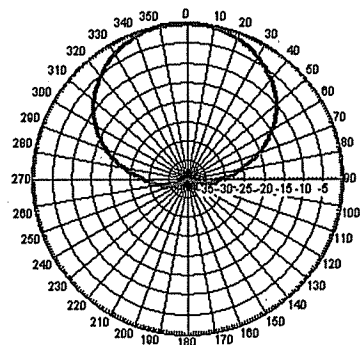
Vertical Pattern



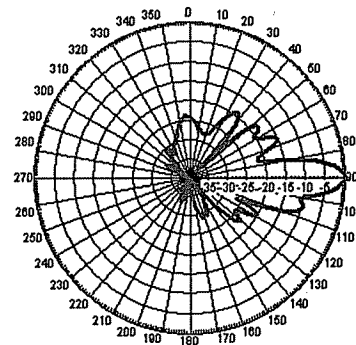
Freq: 850 MHz, Tilt: 0



Freq: 850 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0



Freq: 940 MHz, Tilt: 0

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Vertically Polarized, Log Periodic 63° / 18.5 dBi

LPA-185063/12CF

When ordering replace "___" with connector type.

Mechanical specifications

Length	1806 mm	71.1 in
Width	167 mm	6.6 in
Depth	148 mm	5.8 in
Depth with t-bracket	176 mm	6.9 in
4) Weight	6.1 kg	13.5 lbs
Wind Area		
Fore/Aft	0.30 m ²	3.3 ft ²
Side	0.27 m ²	2.9 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>224 km/hr	>139 mph
Wind Load @ 100 mph (161 km/hr)		
Fore/Aft	479 N	107.6 lbs
Side	434 N	97.6 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting and Downtilting

Mounting brackets attach to a pipe diameter of Ø50-102 mm (2.0-4.0 in).

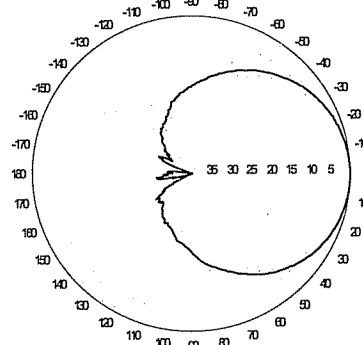
Mounting bracket kit #26799997
Downtilt bracket kit #26799999

The downtilt bracket kit includes the mounting bracket kit.

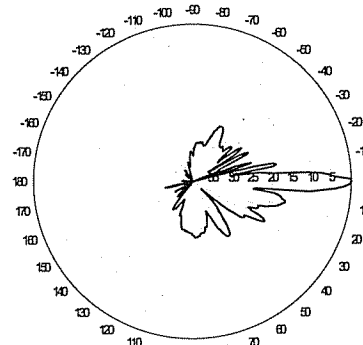
Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
3) Connector(s)	NE or E-DIN 1 port / center
1) VSWR	≤ 1.4:1
Polarization	Vertical
1) Gain	18.5 dBi
2) Power Rating	250 W
1) Half Power Angle	
H-Plane	63°
E-Plane	5°
1) Electrical Downtilt	0°
1) Null Fill	10%
Lightning Protection	Direct Ground

Radiation pattern¹⁾



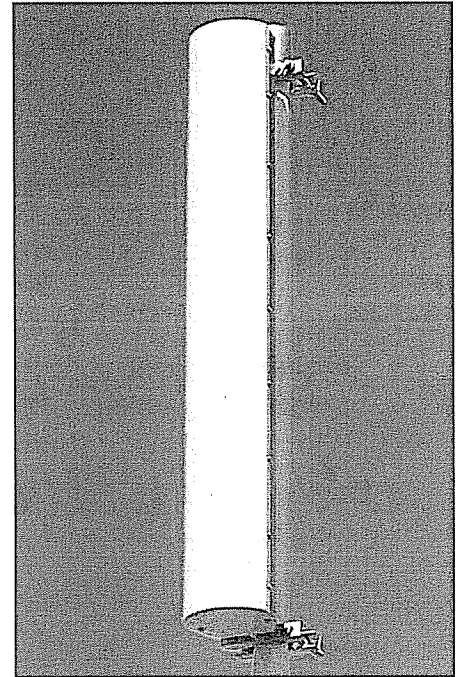
Horizontal



Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back ratio.



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- True log-periodic design allows for superior front-to-side characteristics to minimize sector overlap.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

This Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.

1) Typical values.
2) Power rating limited by connector only.
3) NE indicates an elongated N connector. E-DIN indicates an elongated DIN connector.
4) The antenna weight listed above does not include the bracket weight.
Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

CF Denotes a Center-Fed Connector.

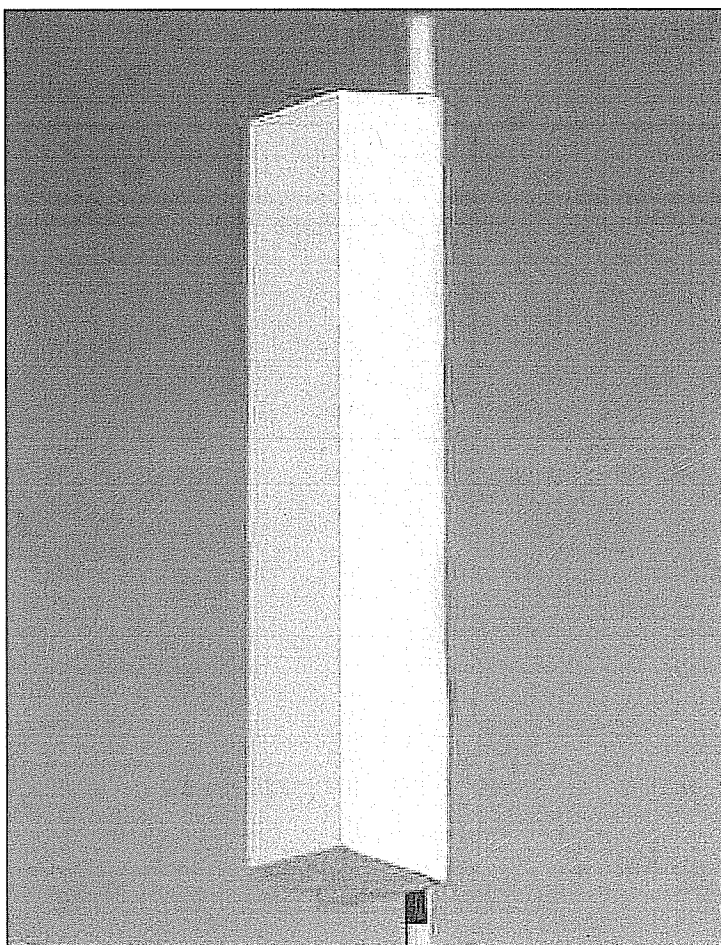
1850-1990 MHz

SLXW 5514

698 - 900 MHz Cross pol. log-periodic antenna

Features

- Small size
- Improved Side-to-side rejection
- Suitable for CDMA/GSM/3G/4G
- High return loss
- Low intermodulation
- High front-to-back ratio
- Dramatically improved signal to interference performance
- Upper side-lobe suppression
- Rugged design
- Outstanding performance over the entire band (698 - 900 MHz)



Electrical specifications

Frequency range:	698 - 900 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	20 dB
Polarization:	+/- 45°
Isolation between ports:	40-60 dB
Gain:	14 dBd
Front-to-back ratio:	> 30 dB
Power rating:	500 W
H-plane (-3 dB point):	48 - 54°
V-plane (-3 dB point):	15 - 18°
Upper side-lobe suppression:	18 dB
Intermodulation (2x20W):	IM3 150 dB
	IM5 160 dB
	IM7/9 170 dB
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	80 in	[2032 mm]
Width:	14 in	[356 mm]
Depth:	9 in	[229 mm]
Weight (excluding brackets):	36 lbs	[16.3 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	7.8 sq. ft.	[0.72 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	397 lbs	[1767 N]

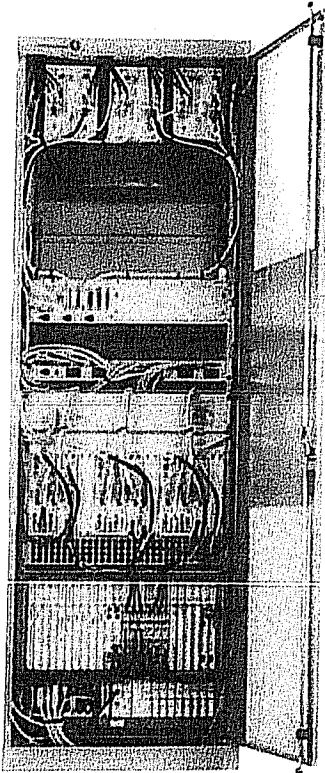
Materials

Radiating Elements:	Aluminum
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey Fiberglass/PVC
Mounting bolts:	Stainless steel

The SLXW 5514 is made in the U.S.A.

Lucent CDMA Modular Cell 4.0B Indoor

For CDMA Networks



Lucent CDMA Modular Cell 4.0B is a high capacity base station equipped with the state-of-the-art technologies developed by Bell Labs. The product brings you outstanding carrier density and immediate OPEX savings. This indoor product can support up to 8 carriers/3 sectors per frame. It is twice the density of Modular Cell 4.0 (indoor). Modular Cell 4.0B offers full spectrum coverage in a single frame, dramatically simplifying growth patterns. As the leader in spread spectrum technology, Lucent Technologies continues to introduce innovations to the market: Multi-Carrier Radio (15MHz), Block Filters/Wideband Filters, and 40W Power Amplifier Modules are the latest assets integrated in the base station.

Features

The Modcell 4.0B indoor version offers a small footprint with exceptional carrier density in a standard ETSI cabinet.

- Indoor Single Frame Configuration
- 1-8 carriers per frame at 3 sectors (will support up to 11 carriers with Auxiliary Amplifier Frame)
- Dual Band: one cell to the ECP & mobile
- Close Loop Gain Control
- Timing and Controller Redundancy
- Integrated Power option
- Support CDMA2000™1X, and EV-DO Rev.0, with future support to EV-DO Rev. A
- IP Backhaul and Ethernet Backhaul capable
- 6-Sector option ready
- Intelligent Antenna option ready

Benefits

- Optimized for highest carrier density, smooth growth in one frame
- Conserves indoor footprint, reducing hardware and floor space requirements
- Minimizes configuration complexity
- Software-Only Carrier Add at certain carrier counts
- Flexible channel growth planning
- Designed to use existing power supply
- Grow CDMA carriers on only 2 antennas/sector
- Multi-Carrier Radio (15MHz), Block Filters/Wideband Filters, and 40W Power Amplifier Modules

Lucent Technologies
Bell Labs Innovations



Technical Specifications

Description	Specification
1. Configurations	3, 4 and 6 1-8 per frame at 3 sectors (up to 11 with Auxiliary Amplifier Frame)
a. Sectors b. Carriers	
2. CDMA Channel Card Capacity	12 slots; CMU IVB capable
3. T1, E1 Facilities	Maximum of 20 per cabinet when equipped with URC-II's
4. User Alarms	7 Power Alarms, 25 User Alarms
5. GPS Antenna	Yes
6. Air Interface Standards	T1A/E1A 95-A plus TSB-74; T1A/E1A 95-B for 850 MHz; CDMA 2000
7. Frequency Bands	850MHz/1900 MHz; 300 to 2100 MHz capable
8. Vocoder	8 Kbps; 8 Kbps EVRC; 13 Kbps; SMV-ready
9. Environmental Cabinet Housing	Standard ETSI cabinet; UL50 compliant; zero rear clearance
10. Cabinet Access	Front Access
11. Operating Temperature Range	Range: -5 to +40°C (continuous)
12. Dimensions	600 mm W x 600 mm D x 1880 mm H (23.6 x 23.6 x 74) inches
13. Estimated Installed Weight	365 kg (785 lbs.) DC [8 carriers in one cabinet]
14. Power Options	Integrated Power, AC 120/240 Volt Input, -48V or +24 V DC Conversion Non-integrated Power requires either + 24 VDC Input or - 48 VDC Input
15. Power Consumption	2167 W 5449 W 10026 W
a. 3 Carrier/3 Sectors b. 6 Carrier/3 Sectors c. 11 Carrier/3 Sectors	
16. RF Power (at J4)	25 W per carrier (850) FCC Rated short-term average 20 W per carrier (850) FCC Rated long-term average 20 W per carrier (1900) FCC Rated short-term average 16 W per carrier (1900) FCC Rated long-term average
17. Minimal Antenna Configuration	2 antennas/sector
18. Filter	Block and Wide Band Dual Duplex
19. Growth Frame	PCS AUX Frame, Dual Band Growth Frame
20. Operational Accessories	Integrated Power
21. Channel Elements	Channel pooling across sectors or carriers

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative or visit our web site at <http://www.lucent.com>.

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MOB-Mod4B-i 0106

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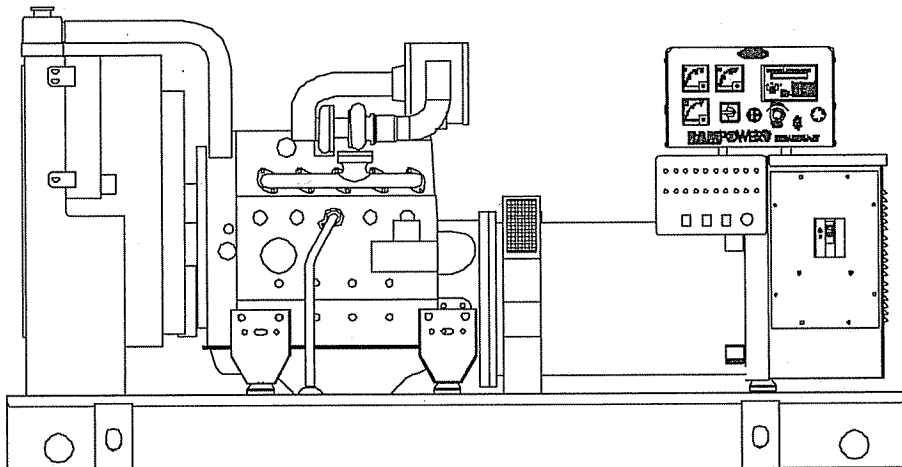


SD060

Liquid Cooled Diesel Engine Generator Sets

Standby Power Rating
60KW 60 Hz

Prime Power Rating
48KW 60 Hz



Power Matched
DEERE 3.0 DTA ENGINE
Turbocharged / Aftercooled

VERIZON WIRELESS
60 kW Diesel Models:
04812-3 120/240 1Ø Open Set
04813-3 120/208 1Ø Acoustic Enclosed
04864-3 120/208 3Ø Open Set
04865-3 120/208 3Ø Acoustic Enclosed

FEATURES

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- **TEST CRITERIA:**
 - ✓ PROTOTYPE TESTED
 - ✓ SYSTEM TORSIONAL TESTED
 - ✓ ELECTRO-MAGNETIC INTERFERENCE
 - ✓ NEMA MG1-22 EVALUATION
 - ✓ MOTOR STARTING ABILITY
 - ✓ SHORT CIRCUIT TESTING
 - ✓ UL 2200
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized
- FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine.
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component. You are never on your own when you own a GENERAC POWER SYSTEM.
- **ECONOMICAL DIESEL POWER.** Low cost operation due to modern diesel engine technology. Better fuel utilization plus lower cost per gallon provide real savings.
- **LONGER ENGINE LIFE.** Generac heavy-duty diesels provide long and reliable operating life.
- **GENERAC TRANSFER SWITCHES, SWITCHGEAR AND ACCESSORIES.** Long life and reliability is synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems, accessories, switchgear and controls for total system compatibility.

GENERAC[®]
POWER SYSTEMS, INC.

APPLICATION & ENGINEERING DATA

SD060

GENERATOR SPECIFICATIONS

TYPE	Four-pole, revolving field
ROTOR INSULATION	Class H
STATOR INSULATION	Class H
TOTAL HARMONIC DISTORTION	<3%
TELEPHONE INTERFERENCE FACTOR (TIF)	<50
ALTERNATOR	Self-ventilated and drip-proof
BEARINGS (PRE-LUBED & SEALED)	1
COUPLING	Direct, Flexible Disc
LOAD CAPACITY (STANDBY)	100%
LOAD CAPACITY (PRIME)	110%

NOTE: Emergency loading in compliance with NFPA 99, NFPA 110, paragraph 5-13.2.6. Generator rating and performance in accordance with ISO8528-5, BS5514, SAE J1349, ISO3046 and DIN6271 standards.

EXCITATION SYSTEM

- BRUSHLESS
- Magnetically coupled DC current ✓
 - Eight-pole exciter w/ battery-driven field boost ✓
 - Mounted outboard of main bearing ✓
- PERMANENT MAGNET EXCITER
- Eighteen pole exciter ✓
 - Magnetically coupled DC current ✓
 - Mounted outboard of main bearing ✓
- REGULATION
- Solid-state ✓
 - ±1% regulation ✓

GENERATOR FEATURES

- Four pole, revolving field generator, directly connected to the engine shaft through a heavy-duty, flexible disc for permanent alignment.
- Generator meets the temperature rise standards for class "F" insulation as defined by NEMA MG1-32.6, while the insulation system meets the requirements for the higher class "H" rating.
- All prototype models have passed a three-phase symmetrical short circuit test to assure system protection and reliability.
- All prototype models are tested for motor starting ability by measuring the instantaneous voltage dip with a waveform data acquisition system.
- All models utilize an advanced wire harness design for reliable interconnection within the circuitry.
- Magnetic circuit, including amortisseur windings, tooth and skewed stator design, provides a minimal level of waveform distortion and an electromagnetic interference level which meets accepted requirements for standard AM radio, TV, and marine radio telephone applications.
- Voltage waveform deviation, total harmonic content of the AC waveform, and T.I.F. (Telephone Influence Factor) have been evaluated to acceptable standards in accordance with NEMA MG1-32.
- Alternator is self-ventilated and drip-proof constructed.
- Fully life-tested protective systems, including "field circuit and thermal overload protection" and optional main-line circuit breakers capable of handling full output capacity.
- System Torsional acceptability confirmed during Prototype Testing.

ENGINE SPECIFICATIONS

MAKE	GENERAC/DEERE
MODEL	5030HF270
CYLINDERS	5
DISPLACEMENT	3.0 Liter (186 cu.in.)
BORE	108 mm (4.25 in.)
STROKE	130 mm (5.12 in.)
COMPRESSION RATIO	18:1
INTAKE AIR	Turbocharged/Aftercooled
NUMBER OF MAIN BEARINGS	5
CONNECTING RODS	5-Drop Forged Steel
CYLINDER HEAD	Cast Iron
PISTONS	5-Aluminum Alloy
CRANKSHAFT	Die Forged, Induction Hardened Steel

VALVE TRAIN

LIFTER TYPE	Solid
INTAKE VALVE MATERIAL	Heat Resistant Steel
EXHAUST VALVE MATERIAL	Heat Resistant Steel
HARDENED VALVE SEATS	Replaceable

ENGINE GOVERNOR

- ELECTRONIC
- Standard
 - FREQUENCY REGULATION, NO-LOAD TO FULL LOAD ... 0.5%
 - STEADY STATE REGULATION
 - ±0.33%

LUBRICATION SYSTEM

TYPE OF OIL PUMP	Gear
OIL FILTER	Full flow, Cartridge
CRANKCASE CAPACITY	11 Liters (11.7 qts.)

COOLING SYSTEM

TYPE OF SYSTEM	Pressurized, Closed Recovery
WATER PUMP	Pre-Lubed, Self-Sealing
TYPE OF FAN	Pusher
NUMBER OF FAN BLADES	6
DIAMETER OF FAN	560 mm (22 in.)
COOLANT HEATER	120V, 1800 W

FUEL SYSTEM

FUEL	#2D Fuel (Min Cetane #40)
	(Fuel should conform to ASTM Spec.)
FUEL FILTER	5 Micron
FUEL INJECTION PUMP	Bosch, Unit type cam driven
FUEL PUMP	Mechanical
INJECTORS	Multi-Hole, Nozzle Type
ENGINE TYPE	Direct Injection
FUEL LINE (Supply)	6.35 mm (0.25 in.)
FUEL RETURN LINE	6.35 mm (0.25 in.)

ELECTRICAL SYSTEM

BATTERY CHARGE ALTERNATOR	20 Amps at 12 V
STARTER MOTOR	12 V
RECOMMENDED BATTERY	12 Volt, 90 A.H., 27F
GROUND POLARITY	Negative

Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). Prime (Unlimited Running Time): Applicable for supplying electric power in lieu of commercially purchased power. Prime power is the maximum power available at variable load. A 10% overload capacity is available for 1 hour in 12 hours. (All ratings in accordance with BS5514, ISO3046, ISO8528 and DIN6271).

SD060

OPERATING DATA

	STANDBY		PRIME	
	SD060		SD060	
GENERATOR OUTPUT VOLTAGE/KW-60Hz	<u>Rated AMP</u>		<u>Rated AMP</u>	
120/240V, 1-phase, 1.0 pf	60	250	48	200
120/208V, 3-phase, 0.8 pf	60	208	48	166
NOTE: Consult your Generac dealer for additional voltages.				
MOTOR STARTING KVA	<u>120/208/240V</u>		<u>120/208/240V</u>	
Maximum at 35% instantaneous voltage dip with optional alternator; 60 Hz	164		164	
FUEL				
Fuel consumption—60 Hz				
Load gal./hr.	<u>100%</u>	<u>80%</u>	<u>100%</u>	<u>80%</u>
liters/hr.	4.8	3.8	4.1	3.3
Fuel pump lift	18.2	14.4	15.5	12.5
	36"		36"	
COOLING				
Coolant capacity	System - lit. (US gal.)	17.0 (4.5)	17.0 (4.5)	
	Engine - lit. (US gal.)	10.4 (2.75)	10.4 (2.75)	
Coolant flow/min.	60 Hz - lit. (US gal.)	106 (28)	106 (28)	
Heat rejection to coolant 60 Hz full load	BTU/hr.	120,500	96,500	
Inlet air to radiator	60 Hz - m ³ /min. (cfm)	212 (7,500)	212 (7,500)	
Max. air temperature to radiator	°C (°F)	60 (140)	60 (140)	
Max. ambient temperature	°C (°F)	48.9 (120)	48.9 (120)	
COMBUSTION AIR REQUIREMENTS				
Flow at rated power	60 Hz - cfm	209	168	
EXHAUST				
Exhaust flow at rated output	60 Hz - m ³ /min. (cfm)	18 (533)	15.3 (450)	
Max recommended back pressure	"Hg	1.5	1.5	
Exhaust temperature 60 Hz (full load)	°C (°F)	524 (975)	459 (858)	
Exhaust outlet size		3.0" O.D.	3.0" O.D.	
ENGINE				
Rated RPM	60 Hz	1800	1800	
HP at rated KW	60 Hz	96	80	
Piston speed	60 Hz - ft./min.	1230	1230	
BMEP	60 Hz - psi	227	189	
DERATION FACTORS				
Temperature				
	5% for every 10°C above - °C	25	25	
	2.77% for every 10°F above - °F	77	77	
Altitude				
	1.1% for every 100 m above - m	1067	1067	
	3.5% for every 1000 ft. above - ft.	3500	3500	

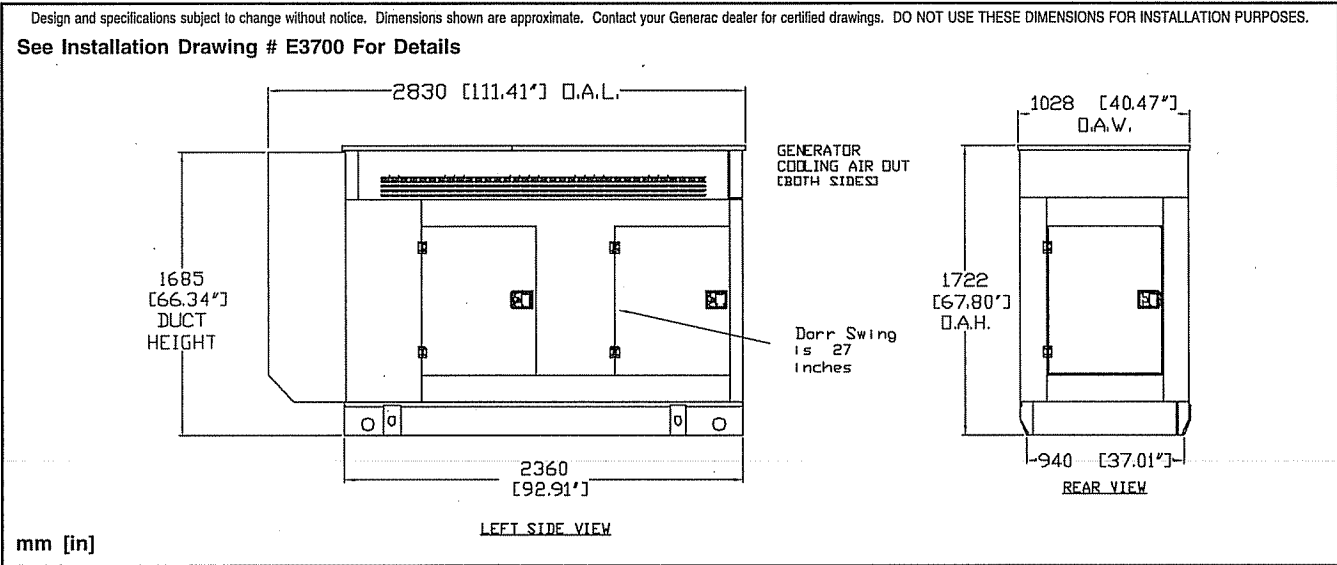
STANDARD ENGINE & SAFETY FEATURES

SD060

- High Coolant Temperature Automatic Shutdown
- Low Coolant Level Automatic Shutdown
- Low Oil Pressure Automatic Shutdown
- Overspeed Automatic Shutdown (Solid-state)
- Crank Limiter (Solid-state)
- Oil Drain Extension
- Radiator Drain Extension
- Factory-Installed Cool Flow Radiator
- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Rubber-Booted Engine Electrical Connections
- Secondary Fuel Filter
- Fuel Shutdown Solenoid
- Batteries 2 - 12 Volt 90 AH
- Stainless Steel Flexible Exhaust Connection
- Battery Charge Alternator
- Battery Cables
- Composite Battery Box
- Vibration Isolation of Unit to Mounting Base
- 24 Volt, Solenoid-Activated Starter Motor
- Air Cleaner
- Air Cleaner Service Indicator
- Fan Guard (CSA Compliant)
- CSA Guarding
- Critical Grade Muffler (Shipped Loose With Open Unit)
- High Temperature Exhaust Wrap
- Alternator Tropicalization
 - Resists Moisture, Fungus and Abrasives
 - In Addition to Standard Class H Epoxy Impregnation Coating
- Upsized Alternator For Increased Motor Starting
- Propylene Glycol 50/50 Mix Antifreeze
- Oil (19.0 Quarts)
- Coolant Expansion and Recovery Tank
- Extended Factory Test (2.5 Hr.)
 - Stepped Loads
 - Frame Temperature Test
- Specification Sheet Does Not Reflect Any Verizon Wireless Corporate Authorized Variances.
- "E" Control Console – Digital/Analog Hybrid
 - Communication Software for Remote Access
 - Analog Reading AC Volts
 - Analog Reading AC Amps
 - Analog Frequency
 - Emergency Stop Button

- Audible Alarm
- 11 Gauge Control Panel Enclosure
- Programmable Engine Control (See Bulletin #0161310SBY For Details)
- 20 Light Annunciator Generator Alarms
- 8 Form C Dry Contact Output Relays
- 120 Volt Coolant Heater 1800 Watt with 3 Wire Connection Cord
- Mainline Circuit Breaker
 - 200 Amp & 100 Amp – 120/240 Single Phase
 - 200 Amp & 50 Amp – 120/208 Three Phase
- Flexible Fuel Lines
- Fuel Pressure Loss Protection System
- UL2200 Listed
- Basetank
 - 48 Hr. Runtime at 100% Load
 - Double Wall
 - 125% Engine Fluid Containment and Alarms of all Generator Liquids
 - Fuel Level Sender and Visible Level Gauge
 - Rupture Basin Alarm
 - Emergency Vents
 - Check Valve (inlet and return)
 - FM Fusible Link (165°F) Shutoff
 - UL 142 Listed
 - Southern California limitation of 52 gallons
- Consult State and Local Codes for Specific Requirements in your area.
- Five Year Extended Warranty
- Enclosure Options
 - Open Generator Set w/ Duct Adapter
 - Weather Protective Sound Attenuated Enclosure w/ Enclosed Critical Grade Muffler and Flex Exhaust
- 24V Dual-Rate 10 Amp Battery Charger With 120V 3 Wire Connection Cord

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Site Search Summary
36 Ritch Avenue Facility
Greenwich, Connecticut

Section 16-50j-74(j) of the Regulations of Connecticut State Agencies requires the submission of a statement that describes “the narrowing process by which other possible sites were considered and eliminated.” In accordance with this requirement, descriptions of the general site search process, the identification of the applicable search area and the alternative locations considered for development of the proposed telecommunications facility in the Town of Greenwich are provided below.

Site Search Process

To initiate its site selection process in an area where wireless service problems have been identified, Cellco first establishes a “site search ring” or “site search area.” In any search ring or search area, Cellco seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of the cell site, while at the same time maximizing the quality of service provided from a particular facility. These objectives are achieved by initially locating existing towers and other sufficiently tall structures within and near the site search area. If any are found, they are evaluated to determine whether they are capable of supporting Cellco’s telecommunications equipment at a location and elevation that satisfies its technical requirements.

Cellco maintains five (5) existing telecommunications facilities within approximately four (4) miles of the proposed Ritch Avenue Facility. None of these existing facilities, however, can provide the service needed in the identified problem areas along portions of Interstate 95 (“I-95”), Route 1 and local roads, as well as industrial, commercial, recreational and residential land uses in southwest Greenwich. (See Attachment 6).

Existing Cellco Telecommunication Facilities

	<u>Owner (Cellco Site Name)</u>	<u>Facility Height and Type</u>	<u>Location</u>	<u>Cellco Antenna Height</u>
1.	411 Properties LLC (Greenwich SW)	61’ (Roof-top)	411 West Putnam Avenue Greenwich, CT	55’
2.	Greenwich Plaza (Greenwich South)	100’ (Roof-Top)	1 Greenwich Plaza Greenwich, CT	106’
3.	Connecticut Light and Power (Greenwich 3)	150’ (Powermount)	9 Sound Shore Drive Greenwich, CT	138’

	Owner (Cellco Site Name)	Facility Height and Type	Location	Cellco Antenna Height
4.	Greenwich Hospital (Greenwich)	164' (Monopole)	5 Perryridge Road Greenwich, CT	124'
5.	Wind Building (Riverside)	55' (Roof-Top)	1111 East Putnam Avenue Greenwich, CT	47'

If existing towers or structures are not available or technically feasible, other locations are investigated where the construction of a new tower is required to satisfy Cellco's service objectives. The list of available locations may be further reduced if, after preliminary negotiations, the property owners withdraw a site from further consideration. From among the remaining locations, the proposed sites are selected by eliminating those that have greater potential for adverse environmental effects and fewer benefits to the public (i.e., those requiring taller towers, possibly with lights; those with substantial adverse environmental impacts, or in densely populated residential areas; and those with limited ability to share space with other public or private telecommunications entities). It should be noted that in any given site search, the weight afforded to factors considered in the selection process will vary depending upon the availability and nature of sites within the search area.

Identification of the Ritch Avenue Search Area

The purpose of the proposed Ritch Avenue Facility is to provide reliable PCS, cellular and LTE wireless services to significant gaps that have been identified along portions of I-95, Route 1 and local roads, as well as industrial, commercial, recreational and residential areas, in southwest Greenwich. These coverage gaps were identified using system performance data including, but not limited to, baseline drive data and Cellco's best server propagation modeling tool.

Cellco issued its Ritch Avenue search area in December of 2004. (See attached search area map). As a matter of practice, Cellco's initial site search effort focuses on municipal or other quasi-public properties that might be available or appropriate locations for a telecommunications facility. If no public properties are available or suitable for use, Cellco investigates private land within a search area. Because AT&T already maintains a telecommunications facility at 36 Ritch Avenue, Cellco's site search effort focused, in large part, on ways to modify the existing facility. This approach was deemed to be more favorable than building a second telecommunications facility in southwest Greenwich.

Sites Investigated in Southwest Greenwich

In addition to the existing facilities listed above, and the existing AT&T facility, Cellco identified and investigated three (3) alternative sites in southwest Greenwich.

1. 36 Ritch Avenue, Greenwich , CT

This is the site of the existing AT&T 70-foot single-carrier flagpole tower, and the proposed 77-foot multi-carrier "tree tower" proposed by Cellco. The new tower would be shared by Cellco, AT&T, T-Mobile and the Greenwich Police Department. The existing tower is not capable of supporting any additional carrier.

2. 104/124 Ritch Avenue, Greenwich, CT

This site is located to the northeast of the proposed cell site location at 36 Ritch Avenue and is occupied by a residential condominium complex. Cellco explored the use of the roof of the existing building at this site and the development of a new tower adjacent to I-95. Following a series of discussions regarding a possible lease, the owner withdrew the site from consideration.

3. Bimbo Bakery – 10 Hamilton Avenue, Greenwich, CT

This site is the location of an existing commercial/industrial bakery located north of I-95 and northeast of the proposed cell site at 36 Ritch Avenue. Cellco was considering the installation of a small tower on the roof of the bakery building. After lengthy negotiations, Cellco and the property owner could not agree on lease terms.

4. Byram Park – Ritch Avenue, Greenwich, CT

Cellco explored the use of land adjacent to the existing ball field in the Town-owned Byram Park. This alternative was abandoned after Cellco determined it would need a 150-foot tower at this location to satisfy its coverage objectives in southwest Greenwich.



Legend

- ① Potential Sites Investigated
- ⊗ Existing Tower Location
- 🌊 Open Water
- Municipal and Private Open Space
- School
- State Forest/Park



Vanasse Hangen Brustlin, Inc.
Site Search Summary Map
Proposed Verizon Wireless
Telecommunications Facility
36 Ritch Avenue
Greenwich, Connecticut

