

# CANTERBURY SOUTH

**46 Cemetery Road  
Canterbury, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless  
99 East River Drive  
East Hartford, CT 06108

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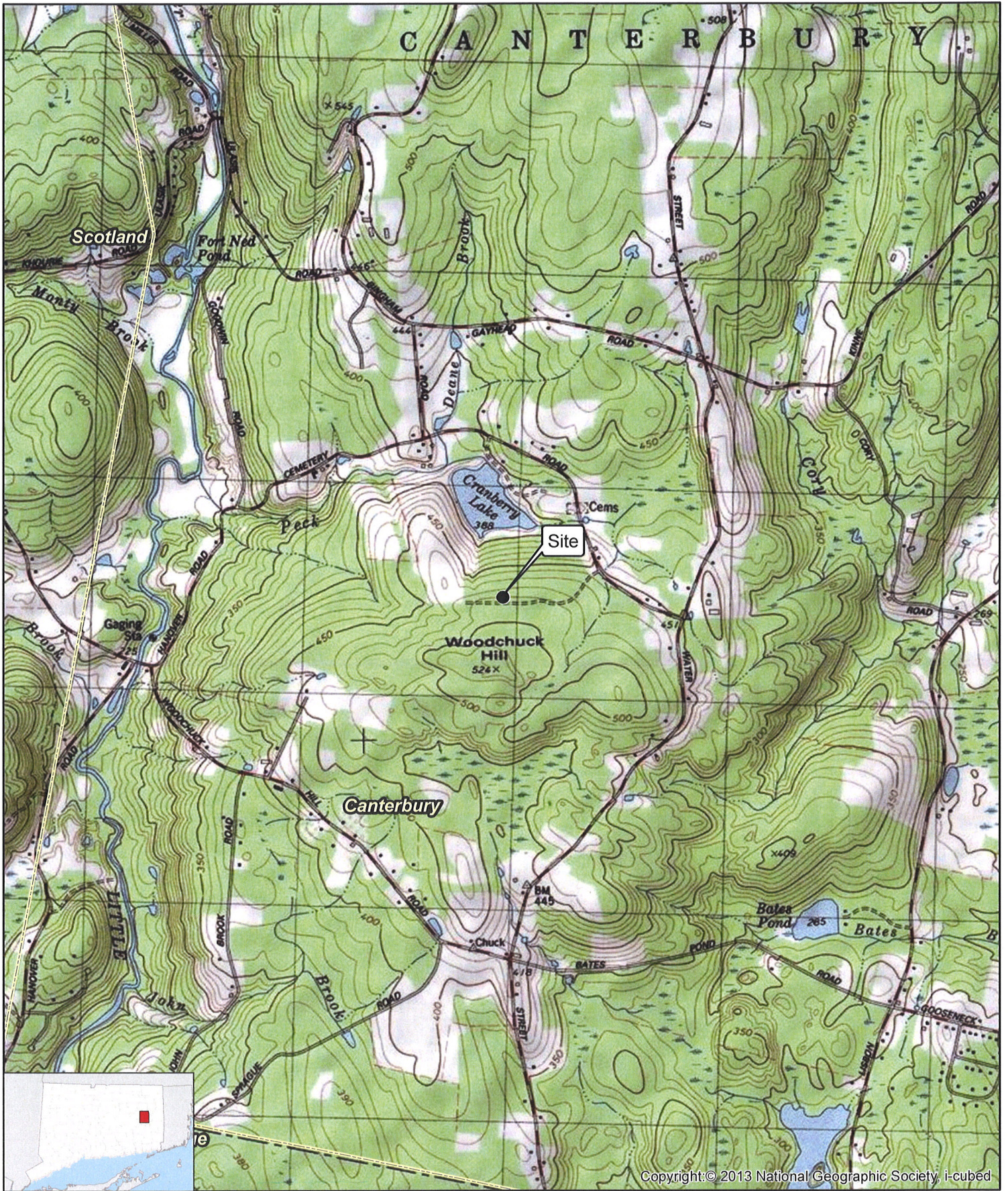
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SITE NAME: CANTERBURY SOUTH – 46 CEMETERY ROAD, CANTERBURY, CT

GENERAL CELL SITE DESCRIPTION

The proposed Canterbury South cell site would be located in the westerly portion of an approximately 41.83 acre parcel owned by Nicholas Holowaty II. The facility would consist of a 160-foot telecommunications tower and a steel equipment platform with a canopy roof located within a 50' x 50' fenced compound and 80' x 125' leased area. Cellco will install two (2) equipment cabinets and a diesel-fueled back-up generator on the platform near the base of the tower.

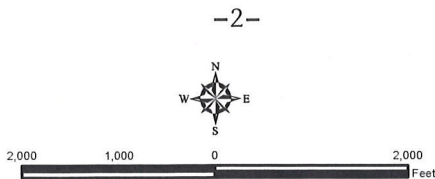
Cellco would attach nine (9) antennas and nine (9) remote radio heads to an antenna platform at a centerline height of 157 feet above ground level. The top of Cellco's antennas will not extend above the top of the tower. Vehicular access to the facility would extend from Cemetery Road over a portion of an existing paved driveway a distance of approximately 1020 feet, then over a new gravel driveway extension of approximately 650 feet to the facility compound. Utility service would also extend from Cemetery Road adjacent to existing primary electrical service to the owner's garage, then underground from the garage to the cell site.



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- Legend**
- Site
  - Municipal Boundary

**Map Notes:**  
 Base Map Source: USGS 7.5 Minute Topographic  
 Quadrangle Map, Scotland, CT (1983)  
 Map Scale: 1:24,000  
 Map Date: April 2017



**Site Location Map**

Proposed Wireless  
 Telecommunications Facility  
 Canterbury South CT  
 46 Cemetery Road  
 Canterbury, Connecticut





APPROXIMATE PROPOSED TELCO CONDUITS  
ROUTED UNDERGROUND ADJACENT TO  
EXISTING UNDERGROUND UTILITY ROUTE

APPROXIMATE LOCATION OF  
EXISTING TRANSFORMER

PROPOSED E/T CONDUITS ROUTED UNDERGROUND  
WITHIN A NEW 20' WIDE UTILITY EASEMENT

PROPOSED 12' WIDE  
GRAVEL ACCESS DRIVE  
WITHIN PROPOSED 20' WIDE  
ACCESS/UTILITY EASEMENT

PROPOSED 20' WIDE  
ACCESS/UTILITY EASEMENT  
(ACCESS TO INITIALLY FOLLOW  
EXISTING GRAVEL DRIVE)

EXISTING PAVED ACCESS DRIVE

PROPOSED MONOPOLE TOWER WITHIN  
PROPOSED 50'X50' FENCED COMPOUND  
WITHIN PROPOSED 125'X80' LEASE AREA

- Legend**
- Subject Property
  - Proposed Monopole Tower
  - Approximate Proposed Facility Layout
  - Proposed Underground Utility Route
  - Existing Gravel Drive
  - + Existing Utility Pole
  - Gate
  - x-x-x Fence
  - B Potential Vernal Pool
  - ~ Watercourse (CTDEEP)

-3-



**Site Schematic**  
 Proposed Wireless  
 Telecommunications Facility  
 Canterbury South CT  
 Holowaty Property  
 46 Cemetery Road  
 Canterbury, Connecticut

**Map Notes:**  
 Base Map Source: 2016 Aerial Imagery (CTECO)  
 Map Scale: 1 inch = 250 feet  
 Map Date: August 2017



## SITE EVALUATION REPORT

SITE NAME: CANTERBURY SOUTH – 46 CEMETERY ROAD, CANTERBURY, CT

### I. TOWER LOCATION

- A. COORDINATES: 41°-40'-21.46" N 72°-01'-59.57" W
- B. GROUND ELEVATION: Approximately 490± feet AMSL
- C. U.S.G.S. QUADRANGLE MAP: Scotland, CT
- D. SITE ADDRESS: 46 Cemetery Road, Canterbury, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within ¼ mile of the cell site is in Canterbury's R-3 Residential and R-2 Residential zoning district.

### II. DESCRIPTION

- A. SITE SIZE: 50' x 50' Fenced Compound  
80' x 125' Leased Parcel
- B. LESSOR'S PARCEL: Approximately 41.83 acres
- C. TOWER TYPE/HEIGHT: 160' Monopole Tower
- D. SITE TOPOGRAPHY AND SURFACE: Topography in the area slopes down from north to south. Cellco will utilize a portion of the Property owner's existing paved driveway (1020 feet) and install a new gravel driveway extension (650 feet) to the cell site. No trees will need to be removed and minimal grading is required to construct the access drive or facility compound.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower would be located in the southwest corner of an approximately 41.83 acre parcel used for residential purposes. The closest wetland area to the facility compound is located approximately 45 feet to the southwest. Two additional wetland areas exist in the southeasterly portion of the Property, south of the existing paved access drive. No direct impacts to these wetlands are anticipated. Two small wetland area, to the north of the access drive, will be impacted (temporarily) by the installation of utilities from Cemetery Road.

- F. LAND USE WITHIN 1/4 MILE OF SITE: The 41.83 acre subject parcel is surrounded by residential and agricultural uses, and undeveloped land. (See Aerial Photograph and U.S.G.S. Topographic Map at pp. 2 and 3).

III. FACILITIES

- A. POWER COMPANY: Eversource
- B. POWER PROXIMITY TO SITE: Approximately 1500 feet at Cemetery Road to the northeast of the facility compound.
- C. TELEPHONE COMPANY: Frontier Communications
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend from Cemetery Road over a portion of the owner's existing paved driveway, then over a new gravel driveway extension, a total distance of approximately 1670 feet.
- F. CLEARING AND FILL REQUIRED: No tree clearing and minimal grading would be required for construction of the access driveway and facility compound. Detailed construction plans would be developed if this location is approved by the Siting Council.

IV. LEGAL

- A. PURCHASE  LEASE
- B. OWNER: Nicholas Holowaty II
- C. ADDRESS: 46 Cemetery Road, Canterbury, CT
- D. DEED ON FILE AT:  
Town of Canterbury, CT Land Records

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FACILITIES AND EQUIPMENT SPECIFICATION  
(NEW TOWER & EQUIPMENT)

SITE NAME: CANTERBURY SOUTH – 46 CEMETERY ROAD, CANTERBURY, CT

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-supporting monopole

C. TOWER HEIGHT: 160'

TOWER DIMENSIONS:    Approx. 50" base  
                                  Approx. 24" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

1. Panel Antennas – Six (6) Model SBNHH1D65C  
                                  Three (3) Model LNX-6514DS-A1M
2. Remote Radio Heads (RRH)  
                                  Three (3) Model B13RRH4x30; three (3) Model B25RRH4x30; and three  
                                  (3) Model B66RRH4x45
3. GPS Antenna: Attached to the equipment platform canopy
4. Transmission Lines:
  - a. Two (2) Model: HB158-1-08U8-S8J18 HYBRIFLEX™ fiber  
                                  optic antenna cables inside the monopole

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-G “Structural Standards for Steel Antenna Towers and Antenna Support Structures.” The foundation designs would be based on soil conditions at the site. Details for the towers and foundation designs will be provided as a part of the final D&M Plan.



## ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: CANTERBURY SOUTH – 46 CEMETERY ROAD, CANTERBURY, CT

### I. PHYSICAL IMPACT

#### A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the facility. There are no lakes, ponds, rivers, streams, wetlands or other regulated bodies of water located in the area to be used for the access drive, tower or related facility improvements. Temporary wetland impacts necessary for the installation of utilities will occur to the north of the access drive. Cell site equipment used will not discharge any pollutants to area surface or groundwater systems. The closest wetland area to the facility compound (Wetland 1) is located approximately 45 feet to the southwest. Two additional wetlands are located in the easterly portion of the Property to the south of the existing access drive. Three (3) small wetland areas (Wetlands 4, 5 and 6) are located to the northeast of the owner's residence. (See also Attachment 11).

#### B. AIR QUALITY

Under ordinary operating conditions, Cellco's equipment at the Canterbury South Facility would generate no air emissions. During power outages and periodically for maintenance purposes, Cellco would utilize a diesel-fueled generator to provide emergency back-up power to the facility. Cellco's back-up generator will be managed to comply with the "permit by rule" criteria established by the Connecticut Department of Energy and Environmental Protection ("DEEP") Bureau of Air Management, pursuant to R.C.S.A. § 22a-174-3b.

#### C. LAND

No trees or vegetation will need to be cleared and minimal grading of the tower compound and access drive will be required. The remaining land of the Lessor would remain unchanged by the construction and operation of the cell site.

#### D. NOISE

The equipment to be in operation at the site after construction would emit no noise of any kind, except for the occasional operation of the back-up generator which would only run when power to the facility is interrupted and periodically for maintenance purposes. Some noise is anticipated during cell site construction.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's 700 MHz, 850 MHz, 1900 MHz and 2100 MHz antennas at the Canterbury South Facility would be 27.28% of the FCC Safety Standard. (See Attachment 14).

F. VISIBILITY

See Visibility Report included as Attachment 9.



## WIRELESS COMMUNICATIONS FACILITY

SITE NAME: CANTERBURY SOUTH CT

46 CEMETERY RD.  
CANTERBURY, CT 06331

Cellco Partnership  
d/b/a Verizon Wireless



WIRELESS COMMUNICATIONS FACILITY  
99 EAST RIVER DRIVE  
EAST HARTFORD, CT 06108

On Air Engineering, LLC

88 Foundry Pond Road  
Cold Spring, NY 10516  
onair@optonline.net  
201-456-4624

LICENSURE



DAVID WEINPAHL, P.E.  
CT LIC. NO. 22144

NO. DATE SUBMISSIONS

NO.	DATE	SUBMISSIONS
0	06.06.17	REVIEW SET
1	06.29.17	REVISED PER ATTORNEY COMMENTS
2	08.01.17	REVISED PER COMMENTS

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CHECKED BY: DW

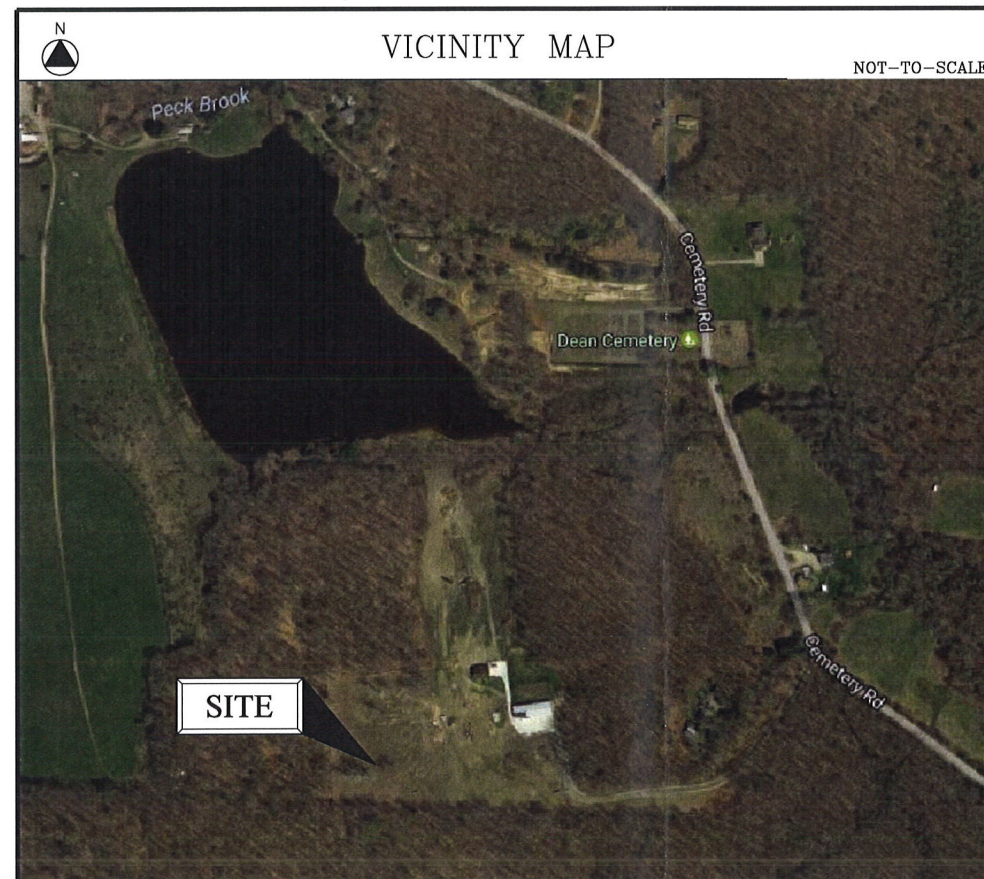
PROJECT TYPE:  
**NEW BUILD MACRO**

SITE NAME:  
**CANTERBURY SOUTH CT**

PROJECT INFORMATION:  
**46 CEMETERY RD.  
CANTERBURY, CT 06331**

DRAWING TITLE:  
**TITLE SHEET**

SHEET NUMBER:  
**T-1**

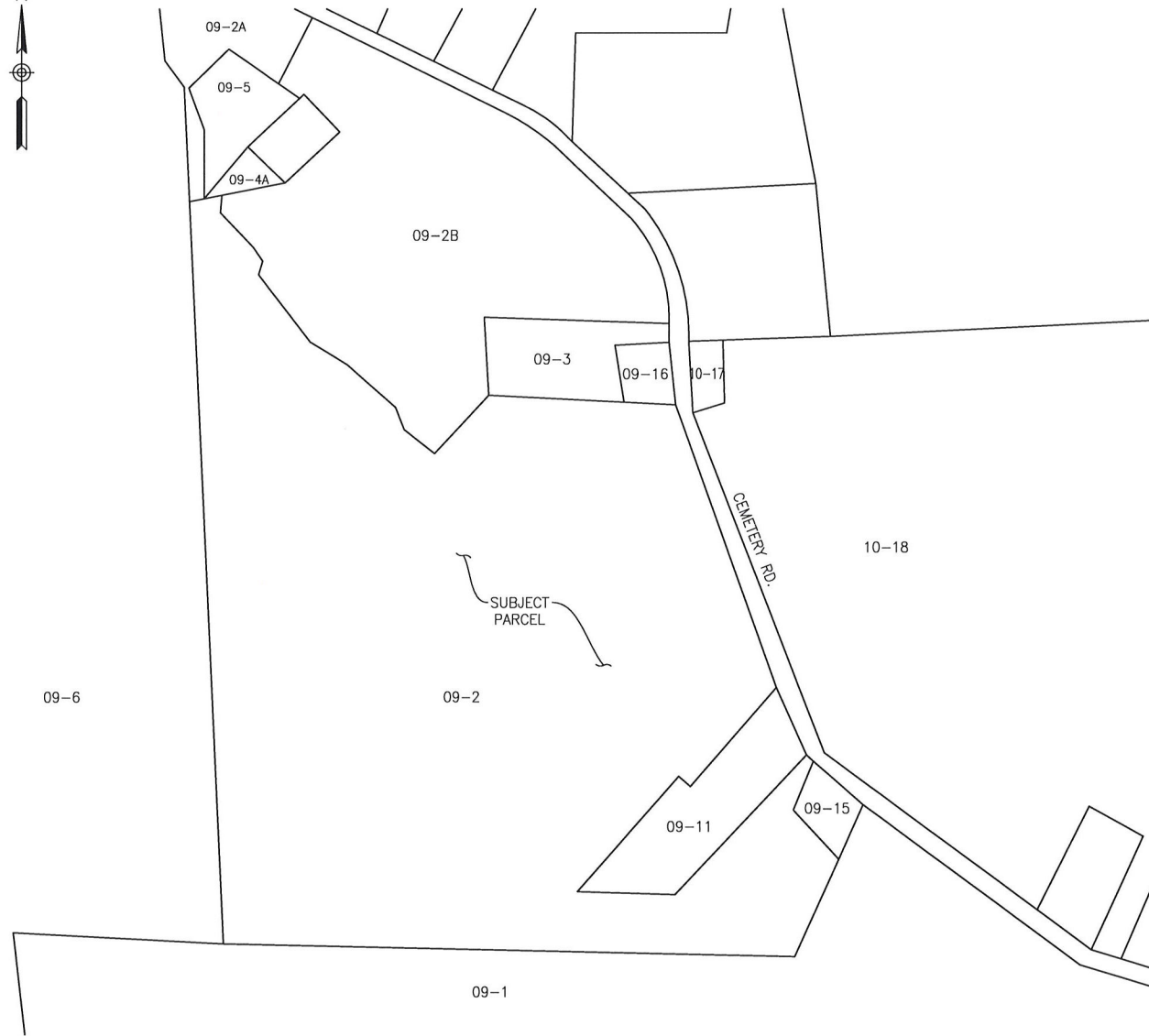


PROJECT SUMMARY	
SITE NAME:	CANTERBURY SOUTH CT
SITE ADDRESS:	46 CEMETERY RD. CANTERBURY, CT 06331
PROPERTY OWNER:	HOLLOWAY NICHOLAS II 46 CEMETERY RD. CANTERBURY, CT 06331
PARCEL ID:	09-2
TOWER COORDINATES:	41° 40' 21.46" N 72° 01' 59.57" W
APPLICANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DR., 9TH FL. EAST HARTFORD, CT 06108
VERIZON WIRELESS CONTACTS:	JOHN TIERNEY - CONSTRUCTION (860) 999-1179 STEVE SCHADLER- SITE ACQ. (508) 887-0357
LEGAL/REGULATORY COUNSEL:	KENNETH C. BALDWIN, ESQ. ROBINSON & COLE, LLP (860) 275-8345

DRAWING SCHEDULE	
SHEET NO.	SHEET DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS MAP & PROPERTY OWNER LIST
C-2	SITE PLAN
C-3	ENLARGED SITE PLAN
C-4	COMPOUND PLAN, NORTH ELEVATION & ANTENNA PLAN
C-5	CONSTRUCTION DETAILS
C-6	EQUIPMENT PLATFORM, FENCE & MISC. DETAILS
C-7	EQUIPMENT PLATFORM FOUNDATION PLAN & SECTIONS

### PROJECT DESCRIPTION

- INSTALLATION OF A 160 FT. MONOPOLE/TOWER AND FENCED-IN COMPOUND AT GRADE
- INSTALLATION OF OUTDOOR EQUIPMENT CABINETS AND A DIESEL FUELED GENERATOR LOCATED ON A NEW 16'-0"x9'-4" PRE-FABRICATED EQUIPMENT PLATFORM WITHIN THE COMPOUND
- INSTALLATION OF (9) PANEL ANTENNAS AND ASSOCIATED DEVICES ON THE MONOPOLE
- INSTALLATION OF CABLING FROM EQUIP. CABINETS TO ANTENNAS
- ELECTRICAL, TELEPHONE & GROUNDING CONNECTIONS TO EXISTING UTILITIES



**1**  
**C-1** ABUTTERS MAP  
Scale: 1"=300'

ABUTTERS LIST FROM PARCEL 9-02			
PARCEL #	OWNER NAME	OWNER MAILING ADDRESS	PROPERTY ADDRESS
09-2A	SARGENT, CARL W	108 CEMETERY RD, CANTERBURY, CT 06331	108 CEMETERY RD.
09-5	JACKSON CYNTHIA L	106 CEMETERY RD, CANTERBURY, CT 06331	106 CEMETERY RD.
09-4A	THOMA BARBARA M ETAL	144 CEMETERY RD, CANTERBURY, CT 06331	104 CEMETERY RD.
09-2B	THOMA BARBARA, LINDA, TIMOTHY, JAMES	144 CEMETERY RD, CANTERBURY, CT 06331	CEMETERY RD.
09-3	CANTERBURY CEMETERY ASSOC INC; DEAN CEMETERY	PO BOX 1, CANTERBURY, CT 06331	CEMETERY RD.
09-16	WESTMINSTER CONGREGATIONAL CHURCH; NEW SMITH CEMETERY	395 WESTMINSTER RD., CANTERBURY, CT 06331	CEMETERY RD.
10-17	CANTERBURY TOWN OF; OLD SMITH CEMETERY	1 MUNICIPAL DRIVE, CANTERBURY, CT 06331	CEMETERY RD.
10-18	THORNTON, JEREMY	75 CEMETERY RD, CANTERBURY, CT 06331	45 CEMETERY RD.
09-11	RILEY GEORGE JR & DEBORAH ROSE	40 CEMETERY RD, CANTERBURY, CT 06331	40 CEMETERY RD.
09-15	CANTERBURY TOWN OF	PO BOX 27, CANTERBURY, CT 06331	CEMETERY RD.
09-1	RACY ANN S	395 WATER ST, CANTERBURY, CT 06331	395 WATER ST
09-6	THOMA BARBARA, ET AL	148 CEMETERY RD, CANTERBURY, CT 06331	148 CEMETERY RD.

NOTES TO ABUTTERS MAP & OWNERS LIST:  
1. ALL INFORMATION TAKEN FROM THE "NECCOG" 'GIS' WEBSITE FOR THE TOWN OF CANTERBURY, DECEMBER 2016 AND MODIFIED AUGUST 2017 BASED ON UNDERLYING PARCEL SURVEY.

Cellco Partnership  
d/b/a Verizon Wireless  
**verizon**  
WIRELESS COMMUNICATIONS FACILITY  
99 EAST RIVER DRIVE  
EAST HARTFORD, CT 06108

**On Air Engineering, LLC**  
88 Foundry Pond Road  
Cold Spring, NY 10516  
onair@optonline.net  
201-456-4624

LICENSURE



DAVID WEINPAHL, P.E.  
CT LIC. NO. 22144

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DRAWN BY: MF  
CHECKED BY: DW

PROJECT TYPE:  
**NEW BUILD MACRO**

SITE NAME:  
**CANTERBURY SOUTH CT**

PROJECT INFORMATION:  
46 CEMETERY RD.  
CANTERBURY, CT 06331

DRAWING TITLE:  
**ABUTTERS MAP & PROPERTY OWNER LIST**

SHEET NUMBER:  
**C-1**

N/F  
CLIFFORD A. &  
CYNTHIA L. JACKSON

N/F  
CARLTON W. &  
DORIS H. SARGENT

N/F  
BARBARA M.  
THOMA  
et.al.

N/F  
BARBARA M.  
THOMA  
et.al.

N/F  
CANterbury CEMETERY  
ASSOC.  
(NEW SMITH CEMETERY)

N/F  
WESTMINSTER  
CONGREGATIONAL  
CHURCH  
(SMITH  
CEMETERY)

MAP 9 LOT 6  
N/F  
BARBARA M. THOMA et.al.  
VOL. 115/ PG. 300

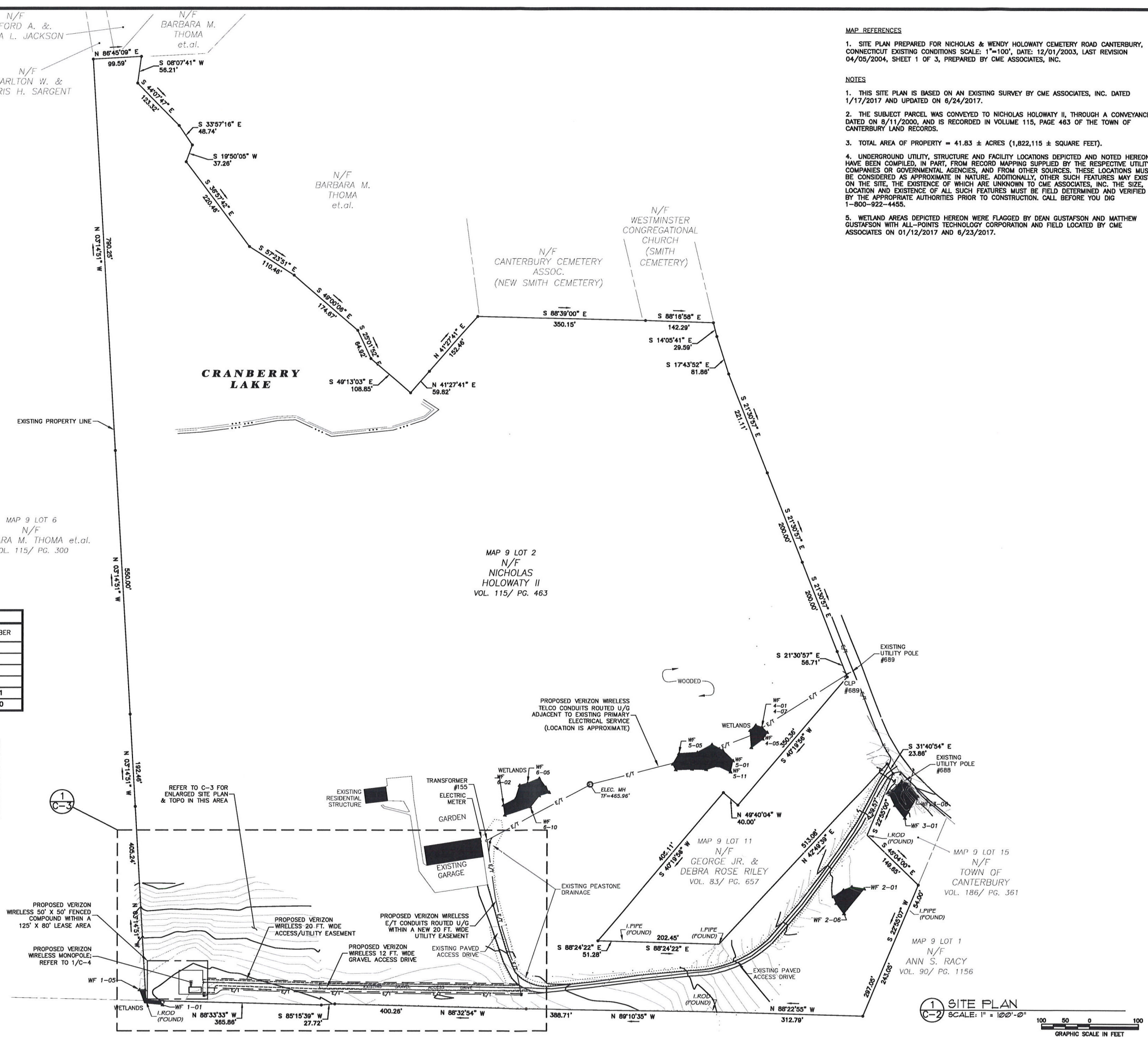
MAP 9 LOT 2  
N/F  
NICHOLAS  
HOLOWATY II  
VOL. 115/ PG. 463

MAP REFERENCES

1. SITE PLAN PREPARED FOR NICHOLAS & WENDY HOLOWATY CEMETERY ROAD CANTERBURY, CONNECTICUT EXISTING CONDITIONS SCALE: 1"=100', DATE: 12/01/2003, LAST REVISION 04/05/2004, SHEET 1 OF 3, PREPARED BY CME ASSOCIATES, INC.

NOTES

1. THIS SITE PLAN IS BASED ON AN EXISTING SURVEY BY CME ASSOCIATES, INC. DATED 1/17/2017 AND UPDATED ON 6/24/2017.
2. THE SUBJECT PARCEL WAS CONVEYED TO NICHOLAS HOLOWATY II, THROUGH A CONVEYANCE DATED ON 8/11/2000, AND IS RECORDED IN VOLUME 115, PAGE 463 OF THE TOWN OF CANTERBURY LAND RECORDS.
3. TOTAL AREA OF PROPERTY = 41.83 ± ACRES (1,822,115 ± SQUARE FEET).
4. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO CME ASSOCIATES, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
5. WETLAND AREAS DEPICTED HEREON WERE FLAGGED BY DEAN GUSTAFSON AND MATTHEW GUSTAFSON WITH ALL-POINTS TECHNOLOGY CORPORATION AND FIELD LOCATED BY CME ASSOCIATES ON 01/12/2017 AND 6/23/2017.



PROJECT SUMMARY TABLE		
DESCRIPTION	DISTANCE	NUMBER
EXISTING PAVED ACCESS DRIVEWAY	987'±	
EXISTING GRAVEL ACCESS DRIVEWAY	425'±	
PROPOSED GRAVEL ACCESS DRIVEWAY	244'±	
TOTAL LENGTH ACCESS DRIVEWAY	1656'±	
HOMES WITHIN 1,000 FT. OF TOWER		1
TREES TO BE REMOVED AT COMPOUND		0

TOWER SETBACK	
DESCRIPTION	DISTANCE
DISTANCE TO NEAREST OFFSITE RESIDENCE (TO NORTHEAST)	1148'±
DISTANCE TO SOUTH PROPERTY LINE	40'±
DISTANCE TO WEST PROPERTY LINE	95'±

Cellco Partnership  
d/b/a Verizon Wireless

**verizon**

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EAST HARTFORD, CT 06108

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88 Foundry Pond Road  
Cold Spring, NY 10516  
onair@optonline.net  
201-456-4624

**CME**  
CME ASSOCIATES, INC.

33 Wilbur Cross Way, Mansfield, CT 06269  
333 East River Drive, East Hartford, CT 06108  
50 Elm Street, Southbridge, MA 01550  
888-291-3227 | www.cmeengineering.com

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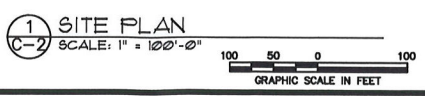
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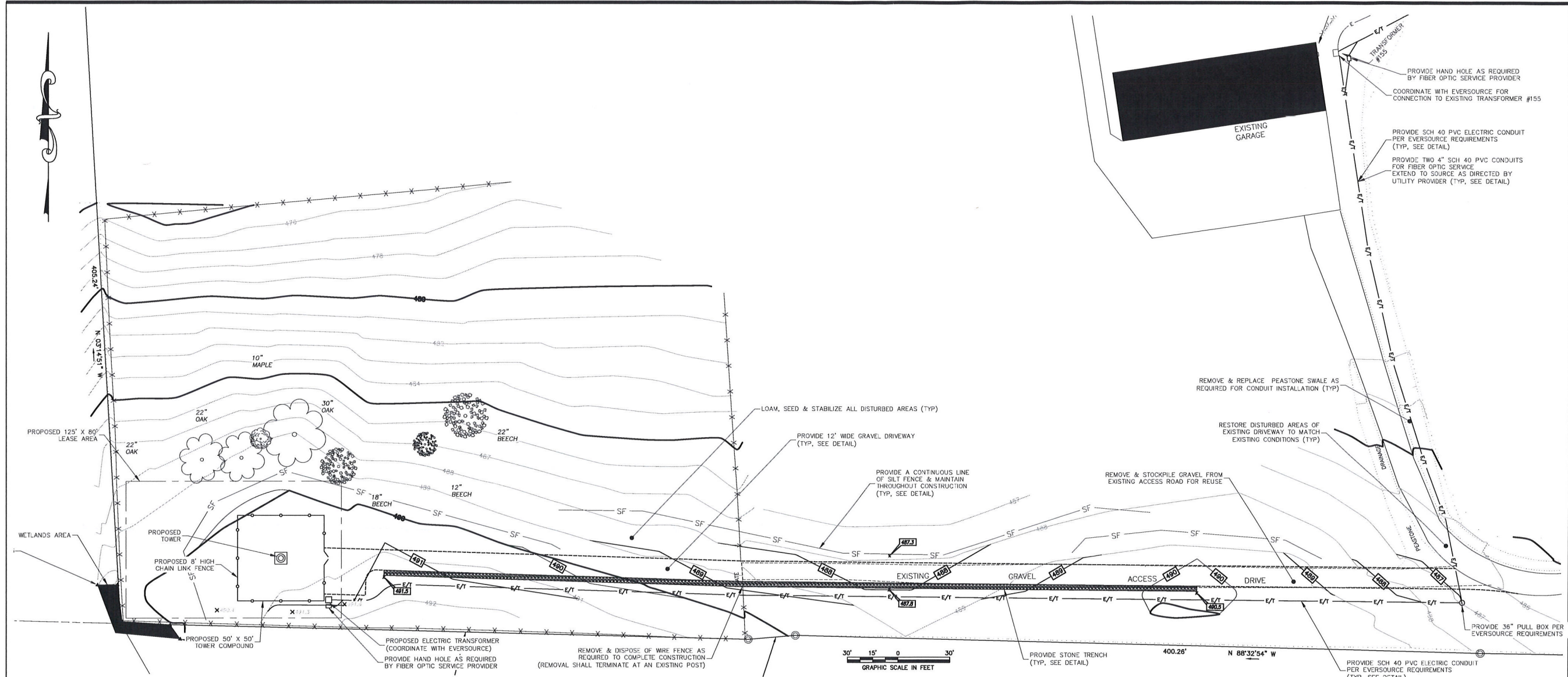
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PROJECT INFORMATION:  
**46 CEMETERY RD.  
CANTERBURY, CT 06331**

DRAWING TITLE:  
**SITE PLAN**

SHEET NUMBER:  
**C-2**





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- NOTES**
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  3. TOTAL AREA OF PROPERTY = 41.83 ± ACRES (1,822,115 ± SQUARE FEET).
  4. SITE IS LOCATED IN RD (RURAL DISTRICT) ZONE.
  5. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO CME ASSOCIATES, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
  6. HORIZONTAL DATUM BASED ON NAD 83.
  7. VERTICAL DATUM BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)
  8. WETLAND AREAS DEPICTED HEREON WERE FLAGGED BY DEAN GUSTAFSON AND MATTHEW GUSTAFSON WITH ALL-POINTS TECHNOLOGY CORPORATION AND FIELD LOCATED BY CME ASSOCIATES ON 01/12/2017 AND 6/23/2017.
  9. PURSUANT TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL 090183 0015A, THE PROPOSED TOWER LOCATION IS LOCATED IN ZONE C, AREAS OF MINIMAL FLOODING.
  10. ALL UTILITIES SHALL BE APPROVED BY LOCAL UTILITY COMPANIES PRIOR TO CONSTRUCTION; ALL UTILITIES SHALL BE CONSTRUCTED TO UTILITY COMPANY SPECIFICATIONS.
  11. NO CHANGES CAN BE MADE TO THESE PLANS WITHOUT THE ENGINEER'S APPROVAL.
  12. CONTRACTOR SHALL OBTAIN ALL REQUIRED LOCAL & STATE PERMITS PRIOR TO BEGINNING ANY CONSTRUCTION.
  13. FIELD CHANGES SHALL HAVE PRIOR APPROVAL OF THE ENGINEER.

SITE INFORMATION	
PARAMETER	MEASUREMENT
NEAREST OFF-SITE RESIDENCE	±1,050 FEET
NEAREST MUNICIPAL BOUNDARY	>3,000 FEET
ACCESS FROM CEMETERY ROAD	±1,670 FEET
RESIDENTIAL STRUCTURES WITHIN 1,000 FEET	1
NEAREST PROPERTY LINE	40 FEET
TREES TO BE REMOVED	0

- LEGEND**
- PROPERTY LINE
  - ABUTTERS LINE
  - EDGE OF PAVEMENT
  - EDGE OF GRAVEL
  - EXISTING CONTOUR
  - STONE WALL
  - RETAINING WALL
  - LIMITS OF INLAND WETLANDS
  - FENCE
  - TREE LINE
  - OVERHEAD WIRES
  - NOW OR FORMERLY UTILITY POLE
  - BOUNDARY POINT
  - DRILL HOLE
  - IRON MONUMENT
  - CONNECTICUT HIGHWAY DEPARTMENT MONUMENT(CHD)
  - IRON PIPE
  - IRON ROD
  - RAIL ROAD SPIKE
  - WELL
  - WATER VALVE

Cellco Partnership  
d/b/a Verizon Wireless

**verizon**

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SITE NAME:  
**CANTERBURY SOUTH CT**

PROJECT INFORMATION:  
**46 CEMETERY RD.  
CANTERBURY, CT 06331**

DRAWING TITLE:  
**ENLARGED SITE PLAN**

SHEET NUMBER:  
**C-3**

**GENERAL STRUCTURAL NOTES:**

1. ALL EQUIPMENT SHALL BE INSTALLED PLUMB AND LEVEL.
2. ALL WIDE FLANGE STRUCTURAL STEEL SHALL CONFORM WITH A992 SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE AND ASTM SPECIFICATION. STEEL SHALL CONFORM TO ASTM A-36. PIPE SHALL CONFORM TO ASTM A-501 OR ASTM TYPE EOR S A-53 (GRADE B).
3. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE USING SPECIFIED WELDS WITH WELDING ELECTRODES E-70XX OR SPECIFIED HIGH STRENGTH BOLTS TO BE ASTM A325, THREAD EXCLUDED FROM SHEAR PLANE.
4. ALL STEEL EXPOSED TO MOISTURE SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM A-123. ALL DAMAGED SURFACES, WELDED AREAS AND AUTHORIZED NON-GALVANIZED MEMBERS OR PARTS (EXISTING OR NEW) SHALL BE PAINTED WITH 2 COATS OF ZRC COLD GALVANIZING COMPOUND MANUFACTURED BY ZRC CHEMICAL PRODUCTS CO. QUINCY, MA, OR USE THERMAL SPRAYING WITH PLATZINC 85/15 AS MANUFACTURED BY PLATT BROTHERS & COMPANY, WATERBURY, CT 1-800-752-8276.
5. ALL SHOP AND FIELD WELDING SHALL BE DONE BY WELDERS QUALIFIED AS DESCRIBED IN THE "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED.
6. ALL PIPE SIZES ARE NOMINAL DIAMETER (INSIDE DIAMETER).

**CAST-IN-PLACE CONCRETE:**

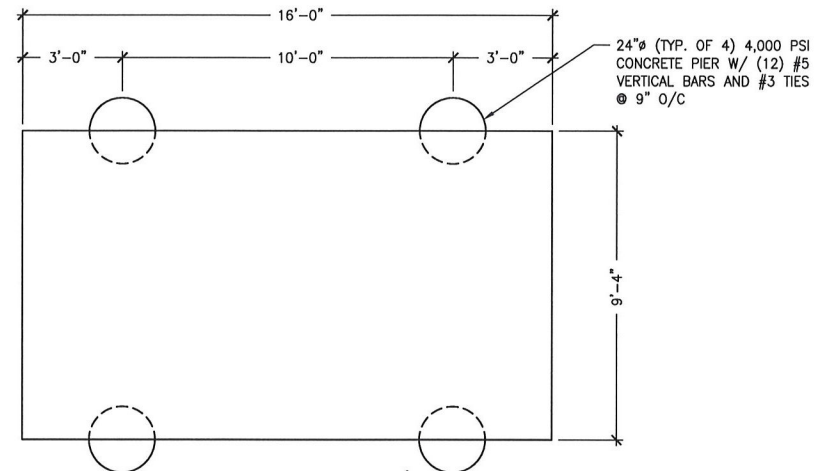
1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE.
2. ALL CONCRETE SHALL ATTAIN 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
3. READY MIX: COMPLY WITH ACI-301 AND ASTM C-94. ALL CONCRETE EXPOSED TO THE GROUND OR WEATHER SHALL BE AIR ENTRAINED.
4. COLD WEATHER CONCRETE POURING SHALL BE IN ACCORDANCE WITH ACI-306.
5. THROUGHOUT CONSTRUCTION THE CONCRETE WORK SHALL BE ADEQUATELY PROTECTED AGAINST DAMAGE DUE TO EXCESSIVE LOADING, CONSTRUCTION EQUIPMENT, MATERIALS, ICE, RAIN, SNOW, EXCESSIVE HEAT AND FREEZING TEMPERATURES.
6. EARLY DRYING OUT OF CONCRETE, ESPECIALLY DURING THE FIRST 24 HOURS, SHALL BE CAREFULLY GUARDED AGAINST. ALL SURFACES SHALL BE PROTECTED USING MOIST CURING OR A MEMBRANE CURING AGENT APPLIED AS SOON AS FORMS ARE REMOVED OR FINISHING OPERATIONS ARE COMPLETE. CARE SHALL BE EXERCISED SO AS NOT TO DAMAGE COATING.
7. APPLY NON-SLIP BROOM FINISH IMMEDIATELY AFTER TROWEL FINISHING.
8. CONTRACTOR TO COORDINATE REQUIREMENTS OF STRUCTURAL, CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS INCLUDING ANY AND ALL PENETRATIONS SPECIFIED PRIOR TO POURING CONCRETE.
9. CONTRACTOR SHALL PROVIDE A 3/4" CHAMFER ON ALL CONCRETE SLABS.

**REINFORCING:**

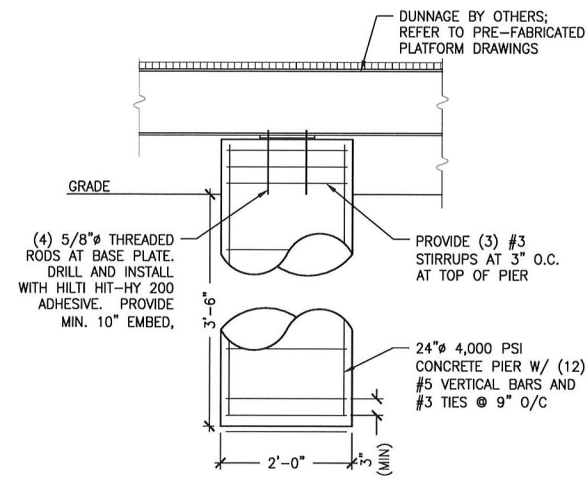
1. ALL REINFORCING BAR SHALL CONFORM TO THE LATEST ACI CODE AND DETAILING MANUAL.
2. WHERE REINFORCING IS CALLED OUT IN THE CONSTRUCTION DOCUMENTS IT SHALL BE 3" CLEAR COVER (MINIMUM UNLESS OTHERWISE NOTED).
3. ALL BARS SHALL BE ASTM A-615, GRADE 60.
4. WELDED WIRE FABRIC SHALL BE ASTM A-185.
5. WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. LAP SHALL BE 40 BAR DIAMETERS.

**FOUNDATIONS**

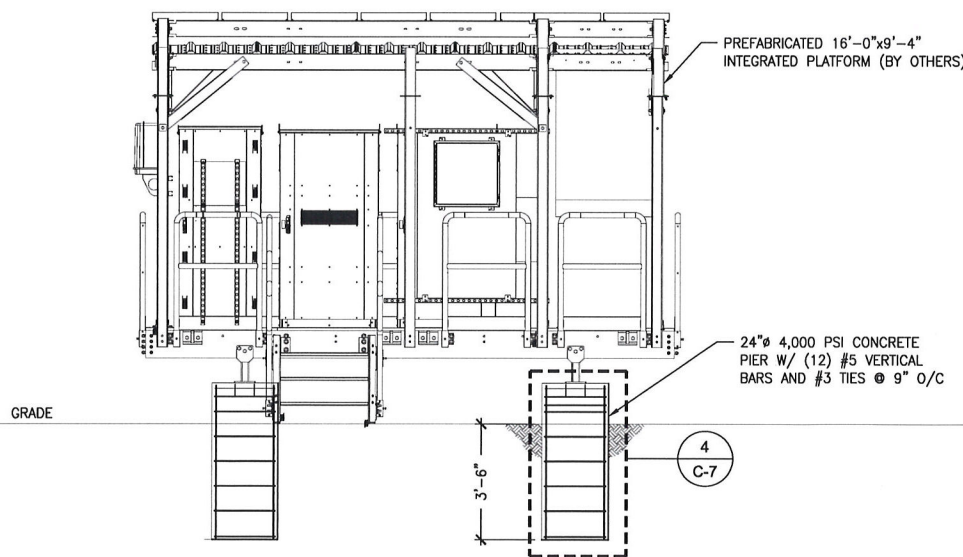
FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AND /OR SUPERVISED COMPACTED FILL, FREE OF FROST, HAVING A MINIMUM ALLOWABLE BEARING CAPACITY OF 1 1/2 TONS PER SQUARE FOOT



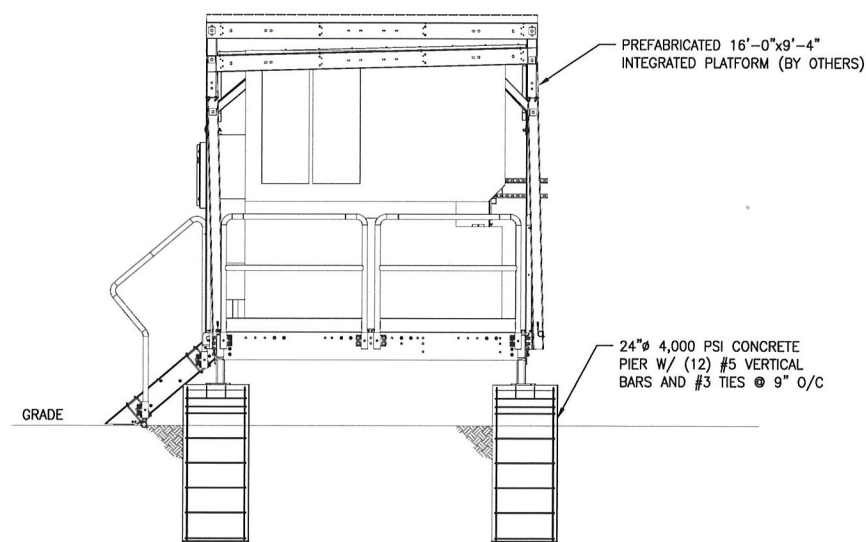
**1 FOUNDATION PLAN**  
Scale: 3/8" = 1'-0"



**4 CONCRETE PIER SECTION**  
Scale: 3/4" = 1'-0"



**2 EQUIPMENT PLATFORM LONG SECTION**  
Scale: 3/8" = 1'-0"



**3 EQUIPMENT PLATFORM SHORT SECTION**  
Scale: 3/8" = 1'-0"

Cellco Partnership  
d/b/a Verizon Wireless



WIRELESS COMMUNICATIONS FACILITY  
99 EAST RIVER DRIVE  
EAST HARTFORD, CT 06108

**On Air Engineering, LLC**

88 Foundry Pond Road  
Cold Spring, NY 10516  
onair@optonline.net  
201-456-4624

LICENSURE



DAVID WEINPAHL, P.E.  
CT LIC. NO. 22144

NO.: DATE: SUBMISSIONS

NO.	DATE	SUBMISSIONS
0	06.06.17	REVIEW SET
1	06.29.17	REVISED PER ATTORNEY COMMENTS
2	08.01.17	REVISED PER COMMENTS

DRAWN BY: MF  
CHECKED BY: DW

PROJECT TYPE:  
**NEW BUILD MACRO**

SITE NAME:  
**CANTERBURY SOUTH CT**

PROJECT INFORMATION:  
**46 CEMETERY RD.  
CANTERBURY, CT 06331**

DRAWING TITLE:  
**EQUIPMENT PLATFORM  
FOUNDATION PLAN &  
SECTIONS**

SHEET NUMBER:  
**C-7**