

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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Also admitted in Massachusetts

December 1, 2017

Melanie A. Bachman, Esq.
Executive Director/ Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Docket No. 477 – Application Of Celco Partnership d/b/a Verizon Wireless For A Certificate Of Environmental Compatibility And Public Need For The Construction, Maintenance And Operation Of A Wireless Telecommunications Facility At 46 Cemetery Road, Canterbury, Connecticut**

Dear Ms. Bachman:

Enclosed please find fifteen (15) copies of the project plans for the proposed Canterbury South facility. It was recently discovered that a complete set of these plans never made it into the Docket No. 477 Application submitted to the Siting Council on August 23, 2017. More specifically, Sheets C-4, C-5 and C-6 were missing from the plan set in the Application. I apologize for the any confusion this may have caused. We will have additional sets of these materials available at the December 21, 2017 hearing for members of the general public.

Sincerely,



Kenneth C. Baldwin

KCB/kmd
Enclosure



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

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:
TITLE SHEET

SHEET NUMBER:
T-1

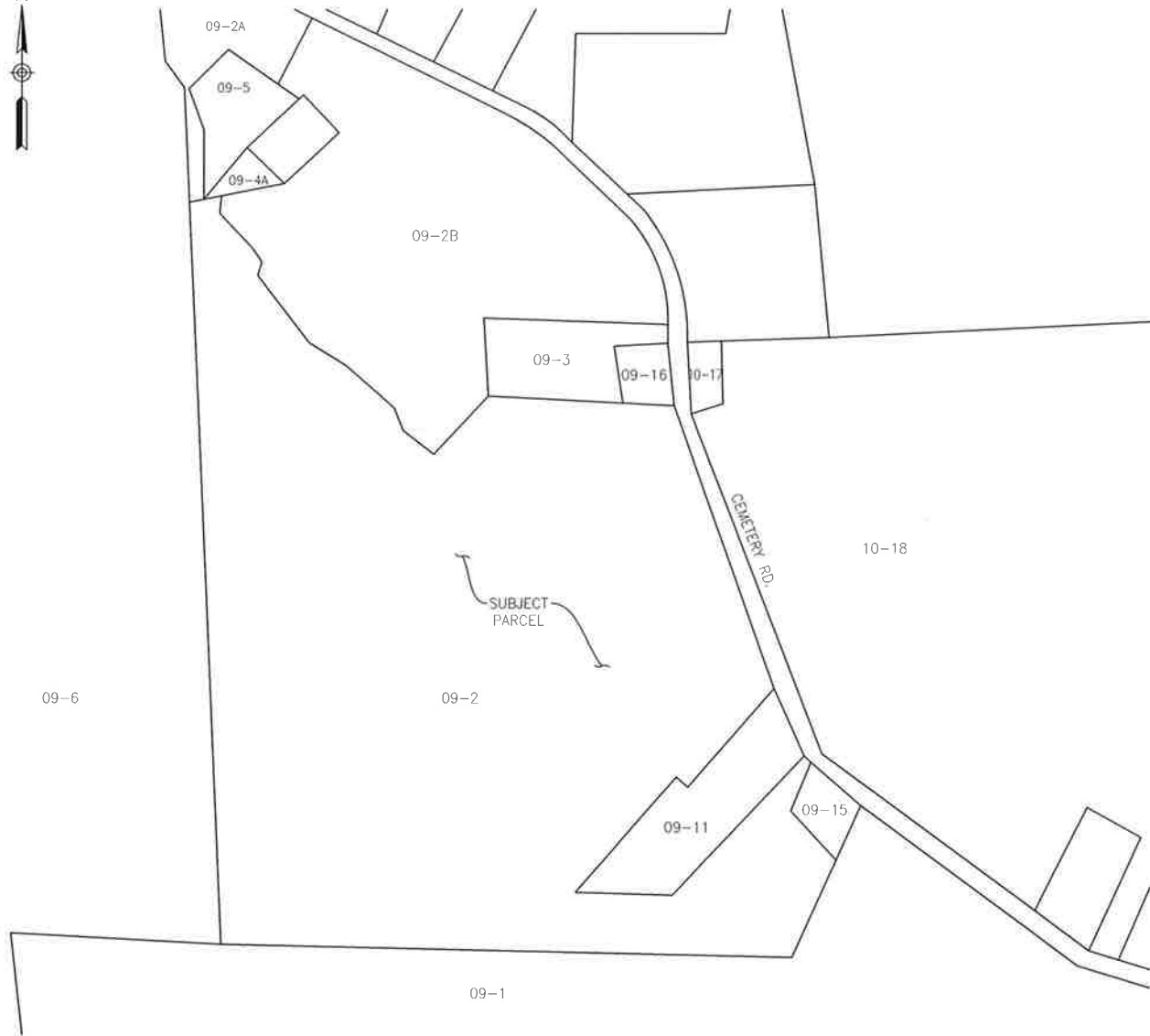


PROJECT SUMMARY	
SITE NAME:	CANTERBURY SOUTH CT
SITE ADDRESS:	46 CEMETERY RD. CANTERBURY, CT 06331
PROPERTY OWNER:	HOLLOWAY NICHOLAS II 46 CEMETERY RD. CANTERBURY, CT 06331
PARCEL ID:	09-2
TOWER COORDINATES:	41° 40' 21.46" N 72° 01' 59.57" W
APPLICANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST 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



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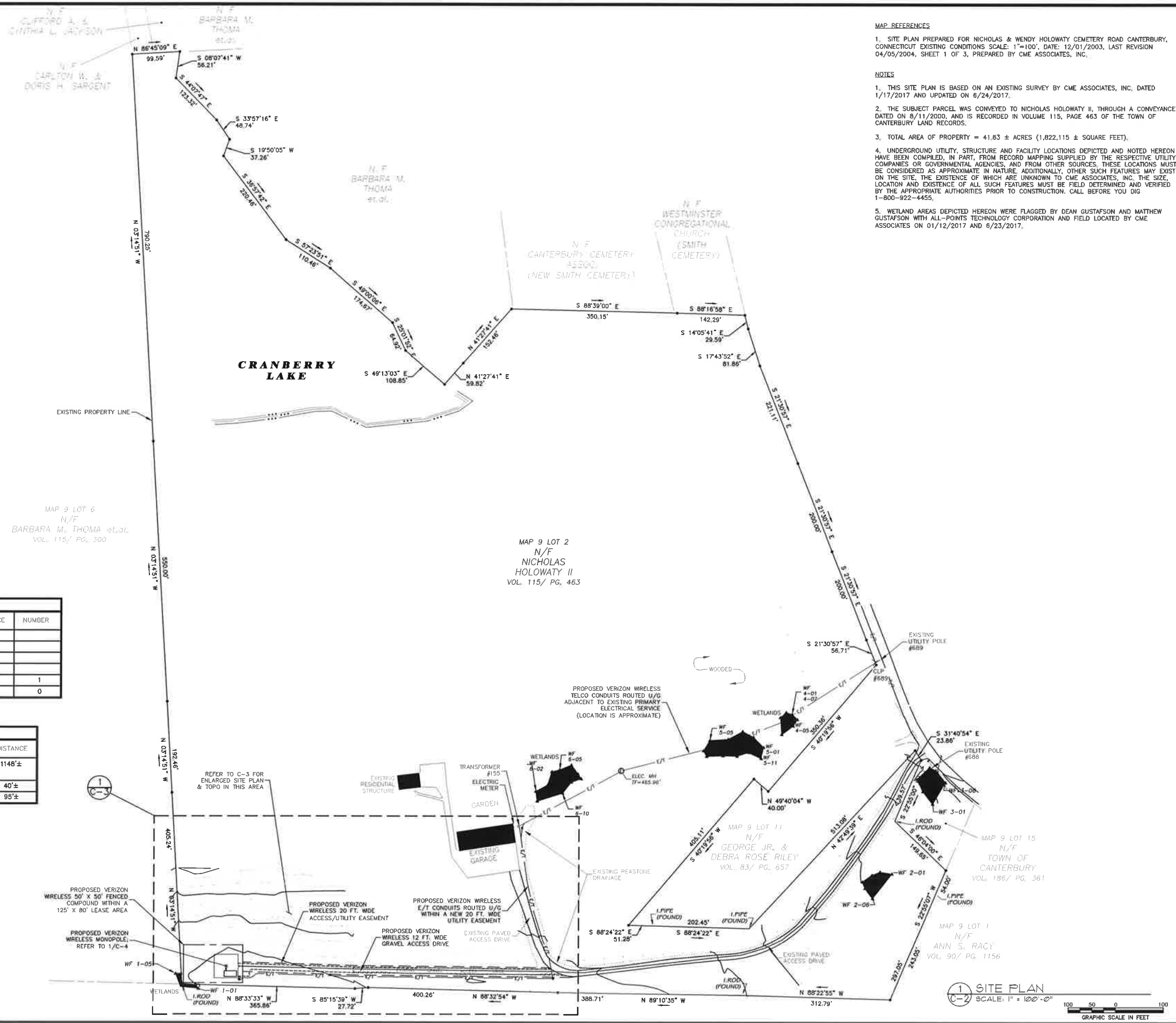
PROJECT TYPE:
NEW BUILD MACRO

SITE NAME:
**CANTERBURY
SOUTH CT**

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

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

SHEET NUMBER:
C-1



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.
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.

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.
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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

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onair@optonline.net
201-456-4624

CME ASSOCIATES, INC.

33 Wilbur Cross Way, Meriden, CT 06268
233 East River Drive, East Hartford, CT 06108
50 Elm Street, Southington, MA 01550
860-291-3227 | www.cmeengineering.com

LICENSURE

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

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PROJECT TYPE:
NEW BUILD MACRO

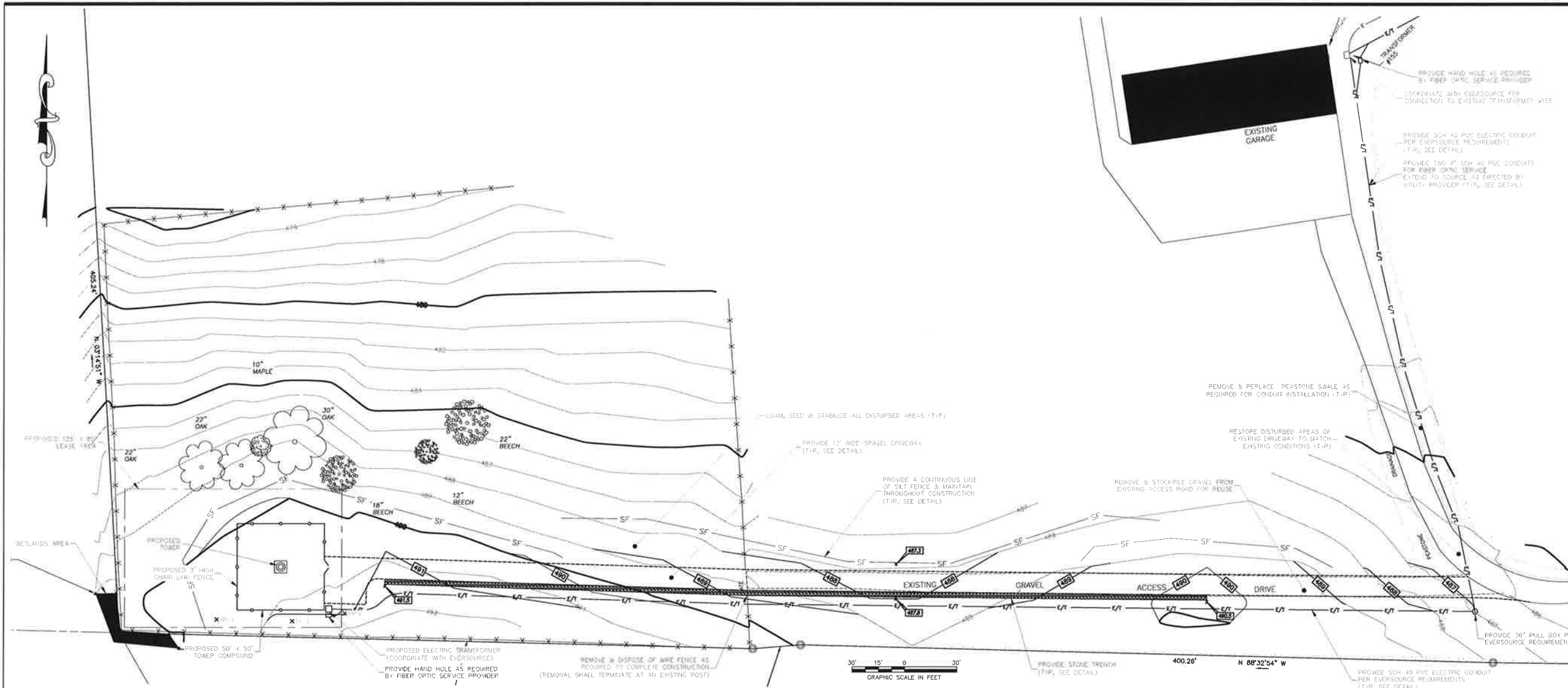
SITE NAME:
CANTERBURY SOUTH CT

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

DRAWING TITLE:
SITE PLAN

SHEET NUMBER:
C-2





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**
- THIS SITE PLAN IS BASED ON AN EXISTING SURVEY BY CME ASSOCIATES, INC. DATED 1/17/2017 AND UPDATED ON 6/24/2017.
 - 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.
 - TOTAL AREA OF PROPERTY = 41.83 ± ACRES (1,822,115 ± SQUARE FEET).
 - SITE IS LOCATED IN RD (RURAL DISTRICT) ZONE.
 - 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.
 - HORIZONTAL DATUM BASED ON NAD 83.
 - VERTICAL DATUM BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988, (NAVD 88)
 - 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.
 - PURSUANT TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL 090183 0015A, THE PROPOSED TOWER LOCATION IS LOCATED IN ZONE C, AREAS OF MINIMAL FLOODING.
 - ALL UTILITIES SHALL BE APPROVED BY LOCAL UTILITY COMPANIES PRIOR TO CONSTRUCTION; ALL UTILITIES SHALL BE CONSTRUCTED TO UTILITY COMPANY SPECIFICATIONS.
 - NO CHANGES CAN BE MADE TO THESE PLANS WITHOUT THE ENGINEER'S APPROVAL.
 - CONTRACTOR SHALL OBTAIN ALL REQUIRED LOCAL & STATE PERMITS PRIOR TO BEGINNING ANY CONSTRUCTION.
 - 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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NEW BUILD MACRO

SITE NAME:
CANTERBURY SOUTH CT

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

DRAWING TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
C-3

Cellco Partnership
d/b/a Verizon Wireless



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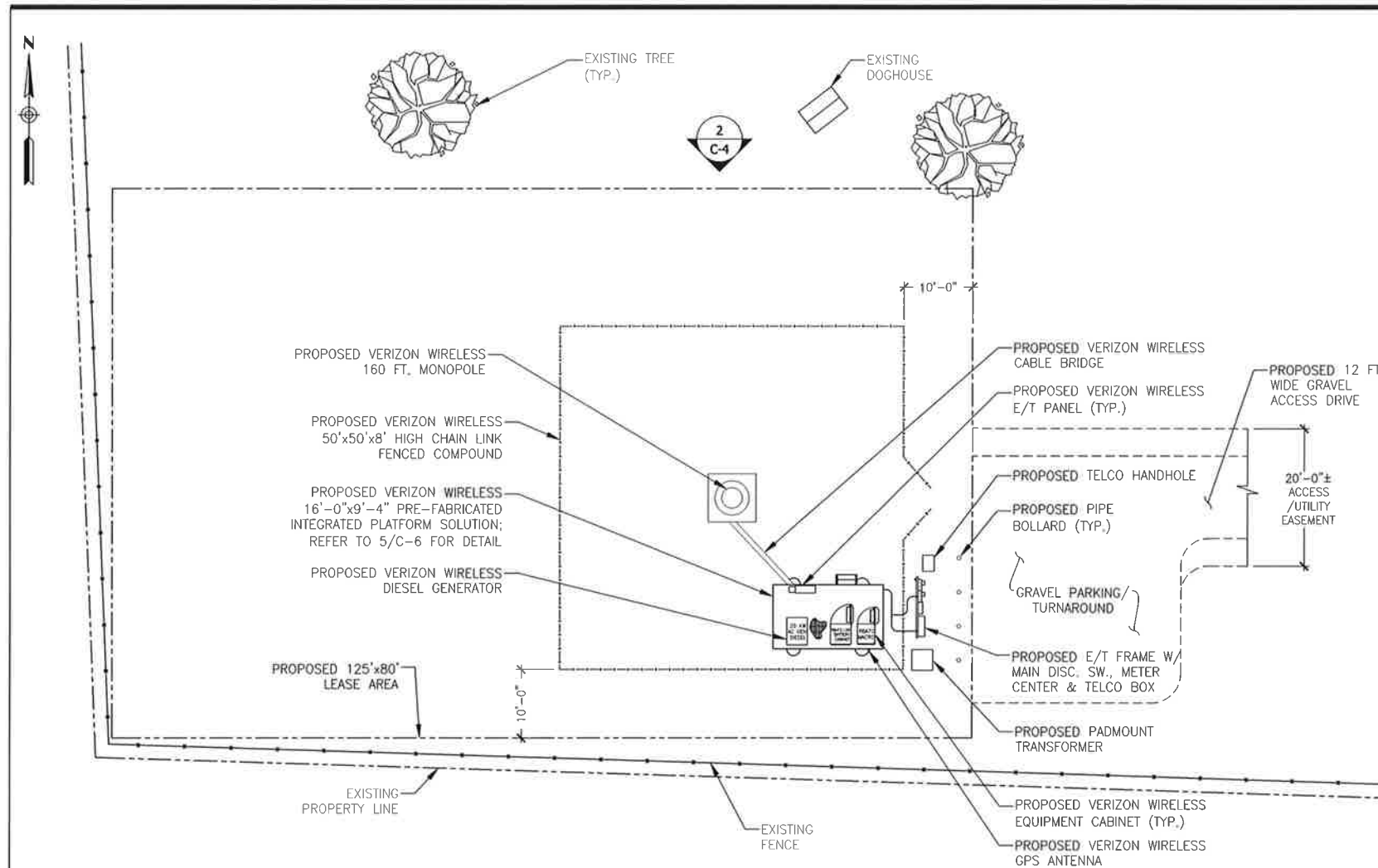
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SITE NAME:
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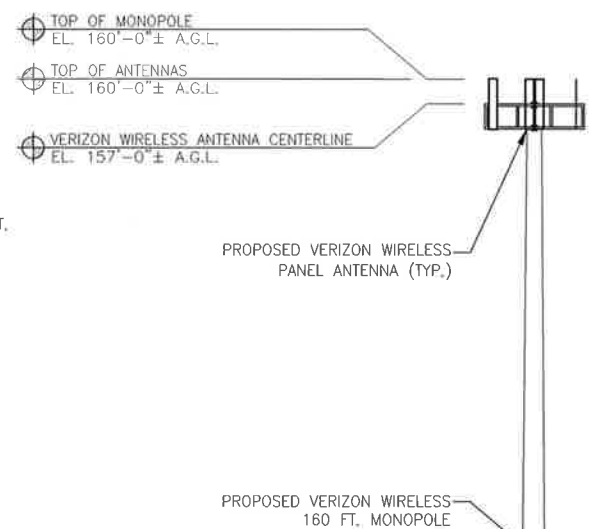
PROJECT INFORMATION:
**46 CEMETERY RD.
CANTERBURY, CT 06331**

DRAWING TITLE:
**COMPOUND PLAN,
NORTH ELEVATION
& ANTENNA PLAN**

SHEET NUMBER:
C-4



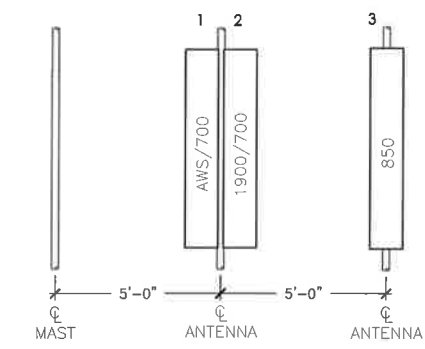
1 COMPOUND PLAN
Scale: 3/32" = 1'-0"



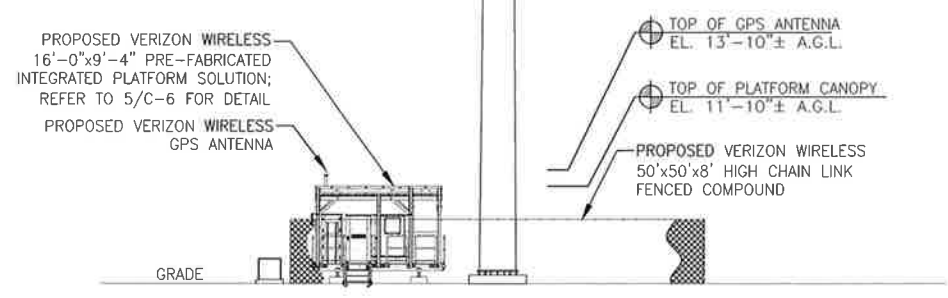
2 NORTH ELEVATION
Scale: 3/32" = 1'-0"

ANTENNA SPECIFICATIONS (TYP. AT 3 SECTORS)

POS.	ANTENNA BAND	MODEL #	SIZE	ACCESSORY EQUIPMENT
1	1900/700	SBNHH-1D65C	72"Hx11.9"Wx7.1"D; 40.6 LBS.	ALU RRH_2x45-AWS ALU B13 RRH2x60
2	1900/700	SBNHH-1D65C	72"Hx11.9"Wx7.1"D; 40.6 LBS.	ALU RRH_2x60-PCS
3	850	LNx-6514DS-A1M	72.9"Hx11.5"Wx7.1"D; 38.4 LBS.	

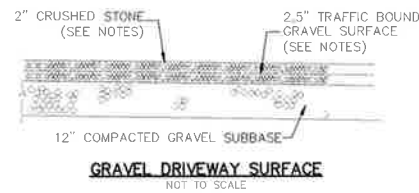


4 TYPICAL ANTENNA ELEVATION
Scale: N.T.S.



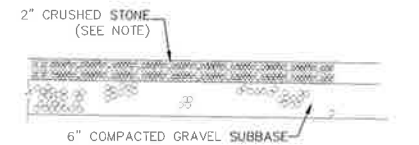
3 ANTENNA PLAN @ 157 FT. A.G.L.
Scale: 3/8" = 1'-0"

NOTE: CONTRACTOR SHALL SET ALPHA SECTOR PLATFORM FACE TO AN AZIMUTH OF 60°



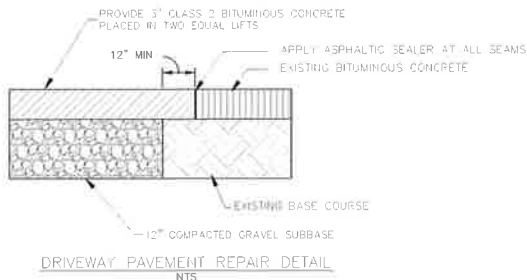
GRAVEL DRIVEWAY SURFACE
NOT TO SCALE

- NOTE:**
1. TRAFFIC BOUND GRAVEL SURFACE SHALL MEET CT DOT STANDARD SPECIFICATIONS M.03.06 (GRADATION, SPADING, ETC.)
 2. CRUSHED STONE SHALL MEET CT DOT STANDARD SPECIFICATIONS M.01.01 (NO. 3).



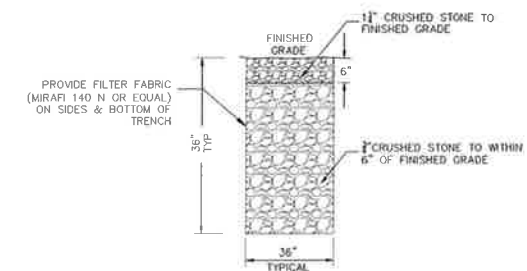
GRAVEL COMPOUND SURFACE
NOT TO SCALE

- NOTE:**
1. CRUSHED STONE SHALL MEET CT DOT STANDARD SPECIFICATIONS M.01.01 (NO. 3).



DRIVEWAY PAVEMENT REPAIR DETAIL
NTS

- NOTE:**
1. ALL SEAMS SHALL BE SAW CUT & STRAIGHT.



STONE TRENCH CROSS SECTION
NOT TO SCALE

WETLAND PROTECTION AND RESTORATION PROGRAM

A portion of the proposed underground utility route is located within wetlands that was previously disturbed by an existing underground utility route that serves the subject property. As a result, temporary disturbance to wetlands will result from trenching activities to install the proposed underground utilities. The following protective measures and restoration activities shall be followed to help avoid degradation of and properly restore these wetlands.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures, restoration of affected wetlands and the education of its employees and subcontractors performing work on the project site. These measures will also provide protection to and properly restore wetland areas temporarily affected by the proposed underground utility trenching work. All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that wetland protection and restoration measures are implemented properly. The Contractor shall contact Dean Gustafson, Senior Wetland Scientist at APT at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by phone at (860) 984-9515 or via email at dgustafson@allpointtech.com.

The wetland protection program consists of several components: use of appropriate erosion control measures to control and contain erosion while avoiding/minimizing wildlife entanglement; periodic inspection and maintenance of isolation structures and erosion control measures; education of all contractors and sub-contractors prior to initiation of work on the site; wetland protective measures; wetland restoration measures, and, reporting.

1. Erosion and Sedimentation Controls

- All erosion and sedimentation controls shall conform to the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, DEP Bulletin 34.
- Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls (wattles), reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the project. Temporary erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of plant woven natural biodegradable fiber to avoid/minimize wildlife entanglement.
- Installation of silt fencing and/or other erosion control devices (i.e., straw wattles, compost filter socks, etc.) shall be performed by the Contractor prior to any earthwork. APT will inspect the work zone area prior to and following erosion control installation to ensure devices are properly installed.
- Silt fencing shall consist of non-reinforced conventional erosion control woven fabric, installed approximately six inches below surface grade and staked at seven to ten-foot intervals using four-foot oak stakes or approved equivalent. The Contractor is responsible for daily inspections of the sedimentation and erosion controls for tears or breaches and accumulation levels of sediment, particularly following storm events that generate a discharge. The Environmental Monitor will provide periodic inspections of the sedimentation and erosion controls throughout the duration of construction activities only as it pertains to protection of rare species and nearby wetlands.
- The extent of erosion controls will be as shown on the site plans. The Contractor shall have additional sedimentation and erosion controls stockpiled on site should field or construction conditions warrant extending devices. In addition to the Contractor making these determinations, requests for additional controls will also be at the discretion of the Environmental Monitor.
- No equipment, vehicles or construction materials shall be stored outside of the exclusionary fencing or within 50 feet of wetlands or watercourses.

- All silt fencing and other erosion control devices shall be removed within 30 days of completion of work and permanent stabilization of site soils so that reptile and amphibian movement between uplands and wetlands is not restricted. If fiber rolls/wattles, straw bales or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to migrating wildlife. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

2. Wetland Restoration Measures

- Flag or fence project limits of disturbance within all wetland areas and areas within 100 feet of wetlands prior to any work in wetland areas.
- Locate staging areas and access points. Staging areas should be located at least 50 feet from the edge of the wetland. Install sediment barriers down slope of any staging areas or access points.
- Swamp mats, timber mats, truck mats or similar devices shall be used during the crossings of wetlands. Such devices shall be installed prior to clearing, grubbing or excavation activities.
- Clearing, grubbing and utility trenching activities may not commence in any stage or phase of the project until the erosion and sedimentation controls specified by this protection plan and as detailed on the project site plans have been installed and have been reviewed and approved by the Environmental Monitor to ensure erosion controls are properly installed.
- Soil excavated from wetland areas shall be carefully removed with the roots intact. This soil should be placed in a separate stockpile to be reused during the wetland restoration work. Both wetland topsoil and subsoil shall be segregated into separate stockpiles.
- Soil excavated from the utilities trench located within or adjacent to wetlands shall be temporarily placed on geotextile fabric.
- Dewatering of the utility trench excavation shall be pumped to a sediment filter bag or temporary sediment basin, following requirements as noted in the Section 1.
- Install pipe and trench plugs in wetland areas, as necessary, to prevent the trench from draining the wetland or changing its hydrology, as determined by the Environmental Monitor.
- Backfill pipe trench. Backfill first with stockpiled wetland topsoil, with the top 12-inches of the excavated trench filled with the stockpiled wetland topsoil to match original surface grades.
- No soil amendments such as agricultural lime, fertilizer, etc. will be used within wetland areas.
- Compact backfill and grade the surface of the trench area to allow for positive drainage to soil erosion and sediment controls and to prepare disturbed areas for permanent trench restoration.
- Original grades through wetlands must be restored after trenching and backfilling. Any excess fill materials must be removed from the wetland and not spread on-site.
- Seed disturbed wetland areas with a New England Wet Seed Mix (New England Wetland Plants, Inc., or approved equivalent) at the manufacturers recommended seed rate. Mulch disturbed areas with non-woven natural fiber erosion control blanket or 2 to 3 inches of clean straw mulch.
- Seed disturbed upland areas with a New England Semi-Shade Grass and Forbs Mix (New England Wetland Plants, Inc., or approved equivalent) at the manufacturers recommended seed rate. Mulch disturbed areas with non-woven natural fiber erosion control blanket or 2 to 3 inches of clean straw mulch.
- Maintain all erosion and sedimentation control devices until site work is complete and a uniform 70% perennial vegetative cover is established as confirmed the Environmental Monitor.
- Remove all soil and erosion sediment control measures within 30 days upon establishment of a uniform 70% vegetative cover over the disturbed area. Re-grade and re-seed areas disturbed during the removal of the soil erosion and sediment controls.

WETLAND PROTECTION AND RESTORATION PROGRAM-CONTINUED

3. Contractor Education

- Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of an introductory meeting with APT to understand the environmentally sensitive nature of the development site and the need to follow Protective Measures and Restoration Measures as described in Section 3 below.

4. Petroleum Materials Storage and Spill Prevention

- Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location within and proximity to sensitive wetlands.
- A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.
- The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.

i. Petroleum and Hazardous Materials Storage and Refueling

- Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.
- Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

ii. Initial Spill Response Procedures

- Stop operations and shut off equipment.
- Remove any sources of spark or flame.
- Contain the source of the spill.
- Determine the approximate volume of the spill.
- Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
- Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment

- Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
- Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
- Isolate and eliminate the spill source.
- Contact the Connecticut Siting Council along with other appropriate local, state and/or federal agencies, as necessary.
- Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting

- Complete an incident report.
- Submit a completed incident report to the Connecticut Siting Council, along with other appropriate local, state and/or federal agencies, as necessary.

5. Herbicide and Pesticide Restrictions

- The use of herbicides and pesticides at the proposed wireless telecommunications facility is strictly prohibited.

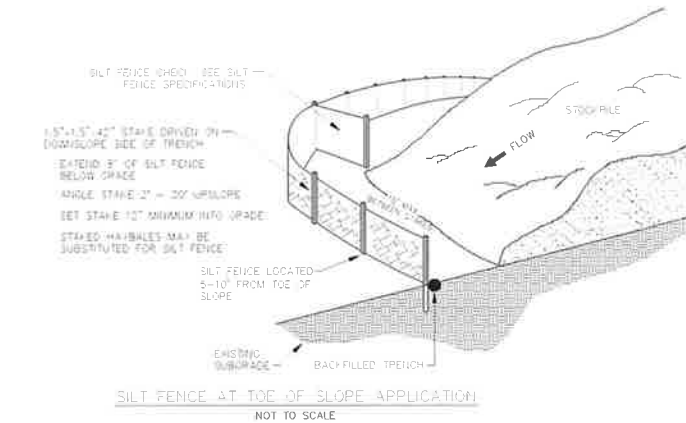
6. Reporting

- Daily Compliance Monitoring Reports (brief narrative and applicable photos) will be submitted by the Environmental Monitor to Verizon Wireless for compliance verification for each inspection performed.

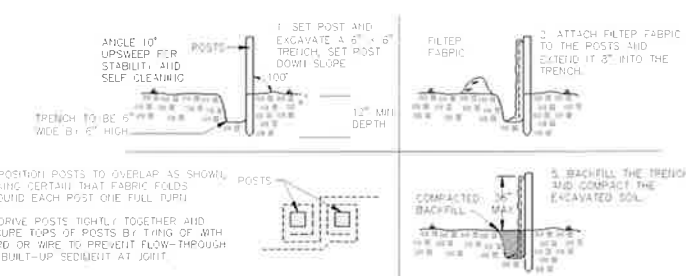
- Following completion of the construction project, the Environmental Monitor will provide a Compliance Monitoring Summary Report to Verizon Wireless documenting implementation of the wetland protection and restoration program. Verizon Wireless will provide a copy of the Compliance Monitoring Summary Report to the Connecticut Siting Council for compliance verification.

SEEDING SPECIFICATIONS

- IF GROUND HAS BEEN PREVIOUSLY MULCHED, MULCH MUST BE REMOVED OR ADDITIONAL NITROGEN MUST BE ADDED.
- REMOVE ALL SURFACE STONES 2" OR LARGER AS WELL AS ALL DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLDS, CLUMPS, OR OTHER UNSUITABLE MATERIAL.
- APPLY FERTILIZER AT 7.5 POUNDS PER 1,000 SQUARE FEET AND LIME AT 200 POUNDS PER 1,000 SQUARE FEET UNLESS SOIL TESTING FOR REQUIREMENTS IS PERFORMED.
- NO MOWING IS TO BE UNDERTAKEN UNTIL THE MAJORITY OF THE VEGETATION IS AT LEAST 6" HIGH. MOWING SHOULD CUT THE TOP 1/3 OF VEGETATION. DO NOT UNDER ANY CIRCUMSTANCES CUT VEGETATION BELOW 3".
- DO NOT APPLY ANY FORM OF WEED CONTROL UNTIL GRASS HAS BEEN MOWED AT LEAST 4 TIMES.
- THESE SEEDING MEASURES ARE NOT TO BE USED ON SLOPES IN EXCESS OF 2:1 GRADING.
- PERMANENT SEEDING MEASURES ARE TO BE USED INSTEAD OF TEMPORARY SEEDING MEASURES WHERE WORK IS TO BE SUSPENDED FOR A PERIOD OF TIME LONGER THAN 1 YEAR.
- IF THERE IS NO EROSION, BUT SEED SURVIVAL IS LESS THAN 100 PLANTS PER SQUARE FOOT AFTER 4 WEEKS OF GROWTH, RE-SEED AS PLANTING SEASON ALLOWS.
- ALL DISTURBED AREAS OUTSIDE THE PAVEMENT AREA SHALL BE LOAMED AND SEEDED IN ACCORDANCE WITH THE SUGGESTED SEEDING MIXTURES TABLE.



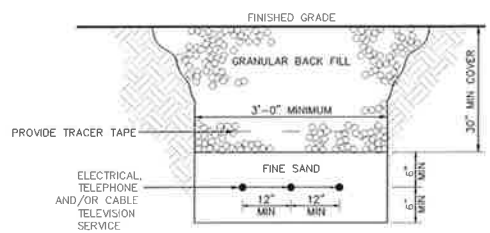
SILT FENCE AT TOE OF SLOPE APPLICATION
NOT TO SCALE



PLACEMENT AND CONSTRUCTION OF A SILT FENCE
NOT TO SCALE

SILT FENCE SPECIFICATIONS

- SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER, ETHYLENE, OR SIMILAR FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING MINIMUM REQUIREMENTS:
 - FILTERING EFFICIENCY 75 PERCENT (MIN)
 - GRAB TENSILE STRENGTH 100 POUNDS
 - ELONGATION AT FAILURE 15 PERCENT
 - MULLEN BURST STRENGTH 250 POUNDS PER SQUARE INCH
 - PUNCTURE STRENGTH 50 POUNDS
 - APPARENT OPENING SIZE 0.60mm < X < 0.90mm
 - FLOW RATE 0.2 GALLONS PER SQUARE FOOT PER MINUTE
 - PERMITTIVITY 0.05 PER SECOND (MIN)
 - ULTRAVIOLET RADIATION STABILITY 70 PERCENT AFTER 500 HOURS OF EXPOSURE (MIN)
- TORN OR PUNCTURED GEOTEXTILES SHALL NOT BE USED.
- ON SLOPES WHERE SURFACE FLOW FOLLOWS THE SILT FENCE LINE, PERPENDICULAR SILT FENCE CHECKS SHALL BE INSTALLED AT 50 FOOT INTERVALS.
- LINE OF SILT FENCE SHOULD FOLLOW CONTOUR LINES 5-10 FEET DOWN GRADIENT FROM THE SLOPE. WHERE CONTOUR LINES CAN NOT BE FOLLOWED PERPENDICULAR WINGS SHOULD BE PLACED AT 50 FOOT INTERVALS.



BURIED CABLE TRENCH CROSS SECTION
NOT TO SCALE

SUGGESTED SEEDING MIXTURES AND PRACTICES

AREAS WHERE SEED MIX APPLIES	SEEDING MIXTURES BY WEIGHT	RATE PER 1,000 SQ. FT.	SEEDING DATES
ALL LAWN AREAS	RED FESCUES 45%	1 LBS.	APRIL 1 - JUNE 15 OR AUG. 15 - OCT. 1
	KENTUCKY BLUEGRASS 45%		
	PERENNIAL RYEGRASS 10%		
ROAD CUTS, FILLS, DIVERSION DITCHES, & STORMWATER BASINS	KENTUCKY TALL FESCUE 47%	0.95 LBS.	APRIL 1 - JUNE 15 OR AUG. 15 - OCT. 1
	REDTOP 6%		
	CREeping RED FESCUE 47%		
WHERE TREES ARE TO BE RETAINED, THE SEED MIXTURE SHOULD BE ADAPTED FOR SHADY CONDITIONS.			
TEMPORARY SEEDING	ANNUAL RYEGRASS OR PERENNIAL RYEGRASS	1-1/2 LBS.	WITHIN 7 DAYS AFTER SUSPENSION OF GRADING WORK

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

CME

LICENSURE

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

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:
CONSTRUCTION DETAILS

SHEET NUMBER:
C-5

LICENSURE



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

NO. DATE SUBMISSIONS

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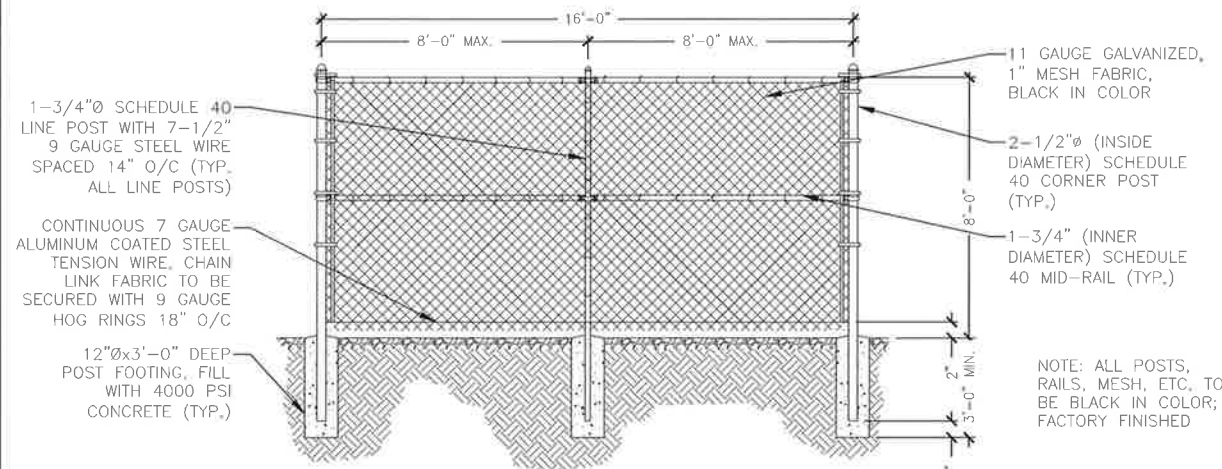
PROJECT TYPE:
NEW BUILD MACRO

SITE NAME:
CANTERBURY SOUTH CT

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

DRAWING TITLE:
**EQUIPMENT PLATFORM,
FENCE & MISC. DETAILS**

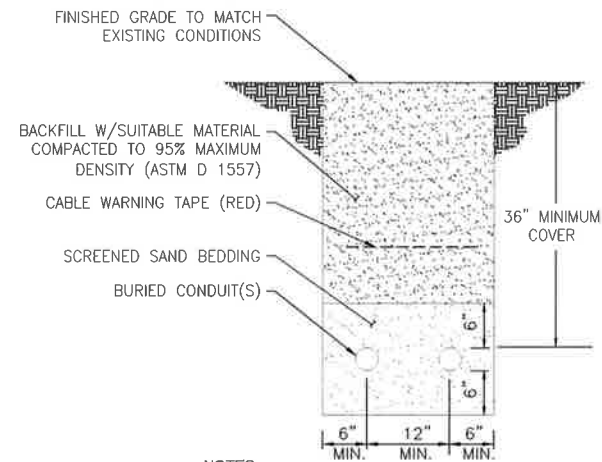
SHEET NUMBER:
C-6



2 EGR TRENCH/BACKFILL DETAIL

Scale: N.T.S.

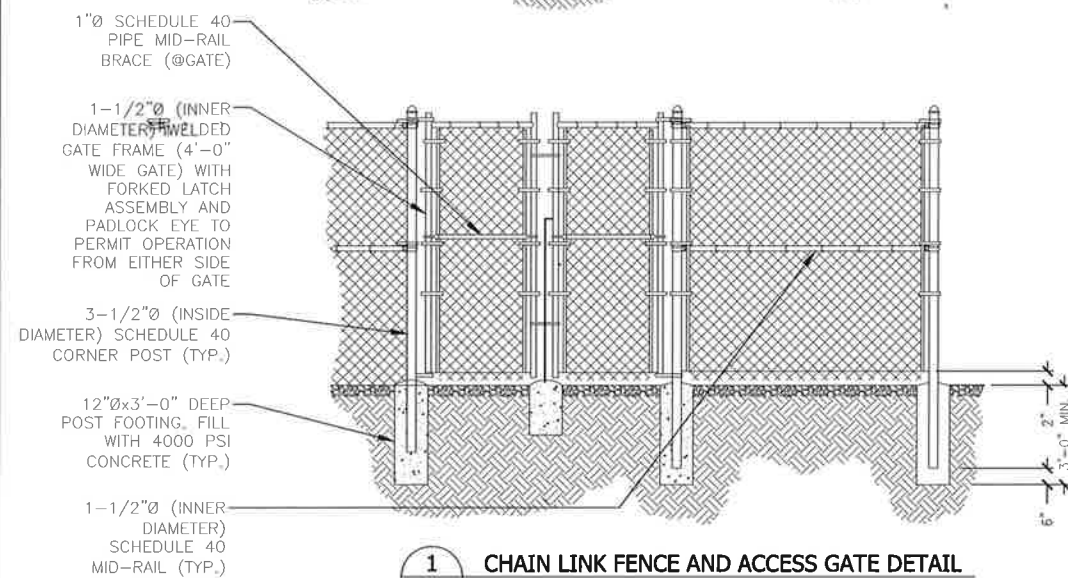
- ENGINEER SHALL INSPECT PLACEMENT OF EGR CONDUCTOR PRIOR TO BACKFILLING.
- MAINTAIN MIN. 2'-0" LINEAR CLEARANCE BETWEEN NATURAL CLAY BACKFILL AND THE FOLLOWING: FOUNDATION, UNDERGROUND PIPING/CONDUIT, UNDERGROUND SERVICES. IN THE CLEARANCE AREAS, USE EARTH BACKFILL INSTEAD.
- EXERCISE HANDLING AND USE PRECAUTION OF BACKFILL MATERIAL PER MFR'S REQUIREMENTS.



3 TYPICAL ELECTRICAL TRENCH DETAIL

Scale: N.T.S.

- THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES, OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
- WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.



1 CHAIN LINK FENCE AND ACCESS GATE DETAIL

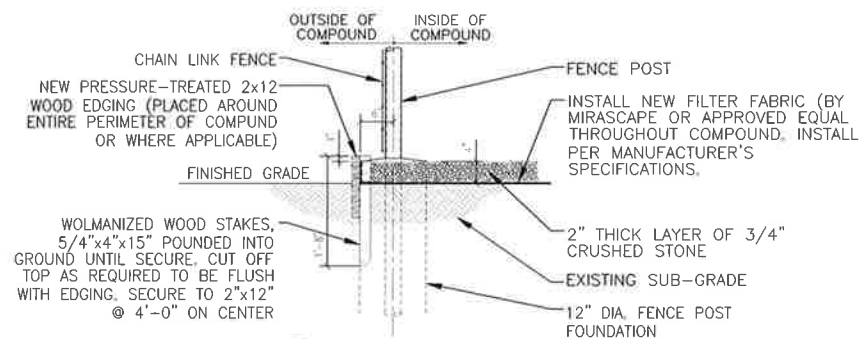
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2 EGR TRENCH/BACKFILL DETAIL

Scale: N.T.S.

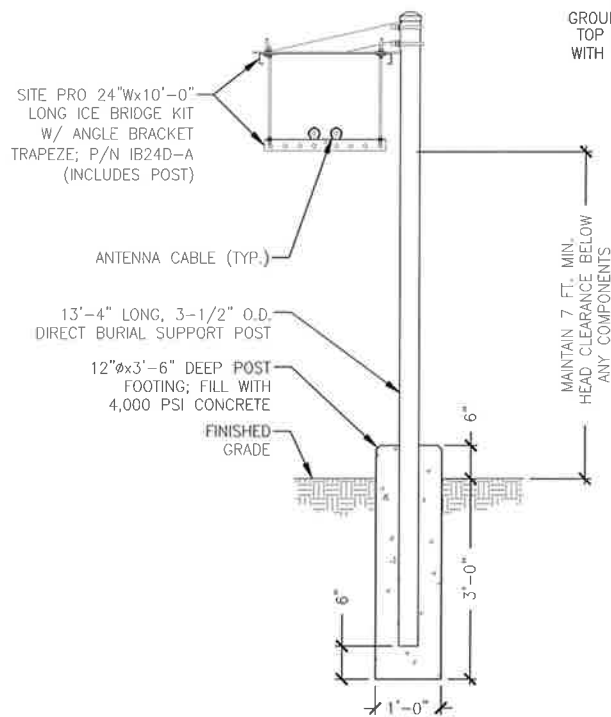
3 TYPICAL ELECTRICAL TRENCH DETAIL

Scale: N.T.S.



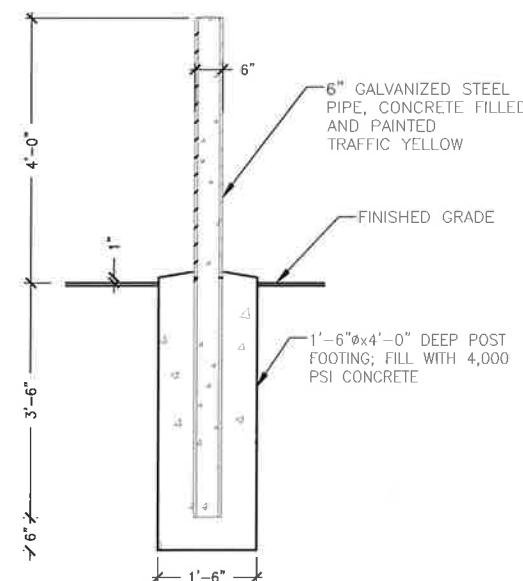
4 GRADE DETAIL

Scale: N.T.S.



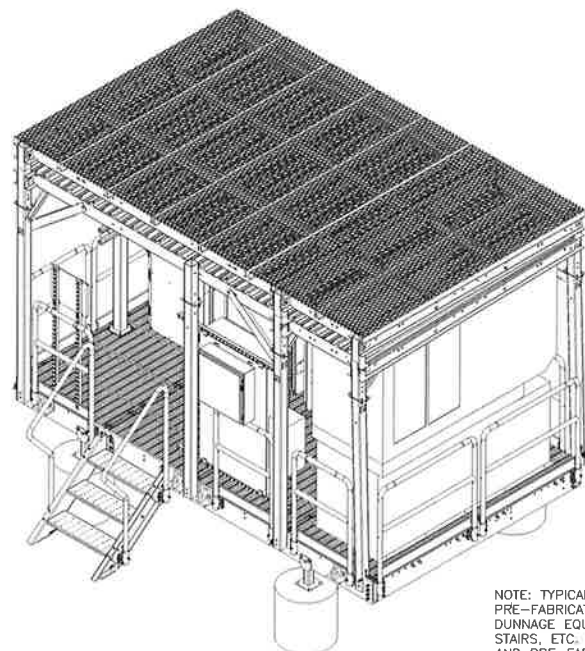
6 CABLE BRIDGE DETAIL

Scale: N.T.S.



7 PIPE BOLLARD DETAIL

Scale: N.T.S.



NOTE: TYPICAL ISOMETRIC VIEW OF A 16'-0"x9'-4" PRE-FABRICATED EQUIPMENT PLATFORM WITH STEEL DUNNAGE EQUIPMENT SUPPORTS, ROOF CANOPIES, STAIRS, ETC. FINAL VERIZON EQUIPMENT LAYOUT AND PRE-FAB PLATFORM MAY DIFFER SLIGHTLY.

5 TYPICAL EQUIPMENT PLATFORM

Scale: N.T.S.

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 PLATTZINC 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:

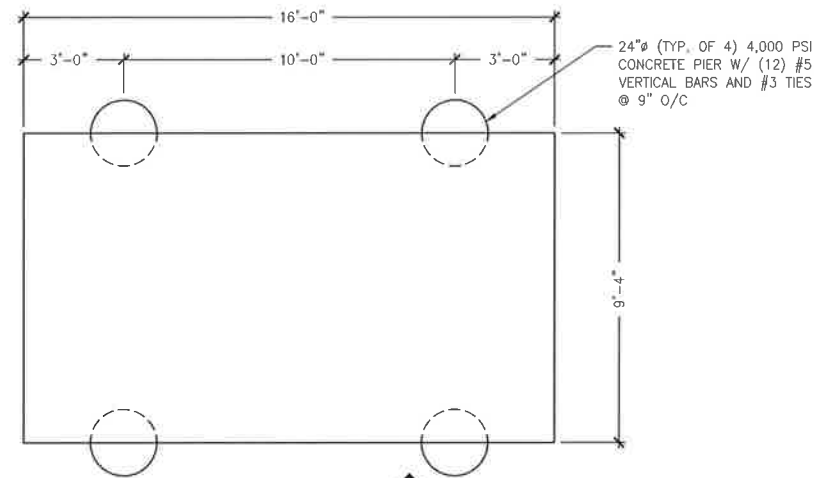
1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE.
2. ALL CONCRETE SHALL ATTAIN 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
3. READY MIX: COMPLY WITH ACI-301 AND ASTM C-94. ALL CONCRETE EXPOSED TO THE GROUND OR WEATHER SHALL BE AIR ENTRAINED.
4. COLD WEATHER CONCRETE POURING 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:

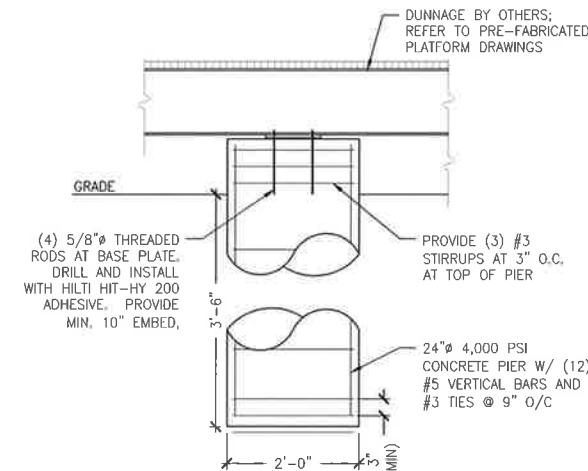
1. ALL REINFORCING BAR SHALL CONFORM TO THE LATEST ACI CODE AND DETAILING MANUAL.
2. WHERE REINFORCING IS CALLED OUT IN THE CONSTRUCTION DOCUMENTS IT SHALL BE 3" CLEAR COVER (MINIMUM UNLESS OTHERWISE NOTED).
3. ALL BARS SHALL BE ASTM A-615, GRADE 60.
4. WELDED WIRE FABRIC SHALL BE ASTM A-185.
5. WHERE 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

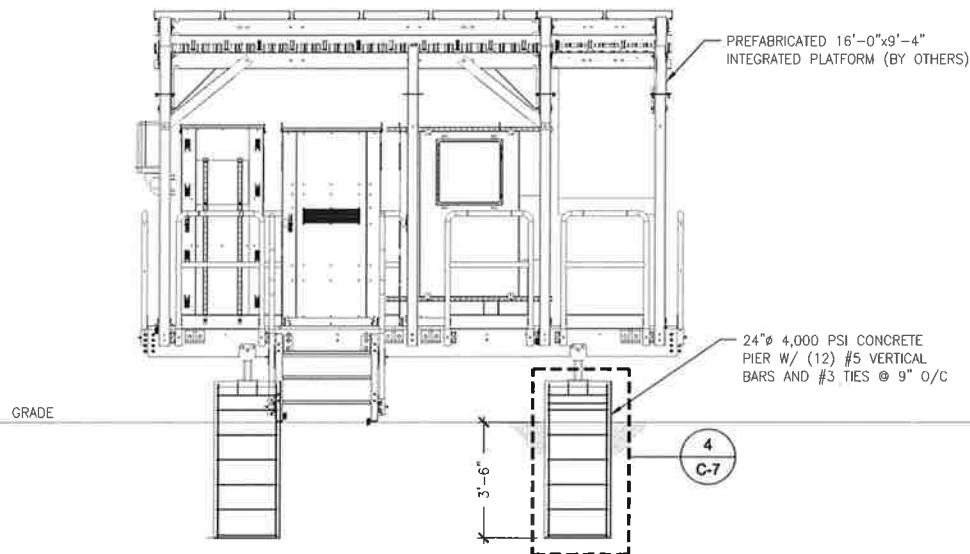
FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AND /OR SUPERVISED COMPACTED FILL, FREE OF FROST, HAVING A MINIMUM ALLOWABLE BEARING CAPACITY OF 1 1/2 TONS PER SQUARE FOOT



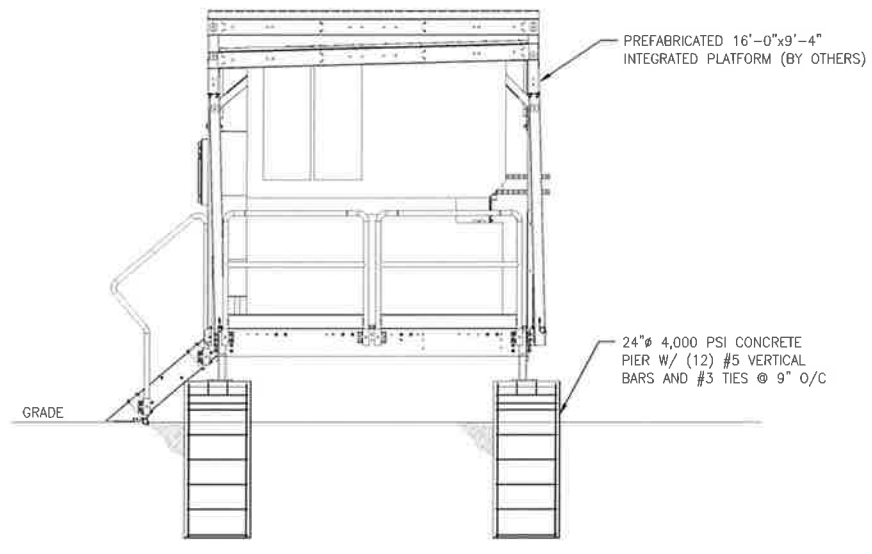
1 FOUNDATION PLAN
Scale: 3/8" = 1'-0"



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

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onair@optonline.net
201-456-4624

LICENSURE



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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