

WILTON SOUTH

**180 School Road
Wilton, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

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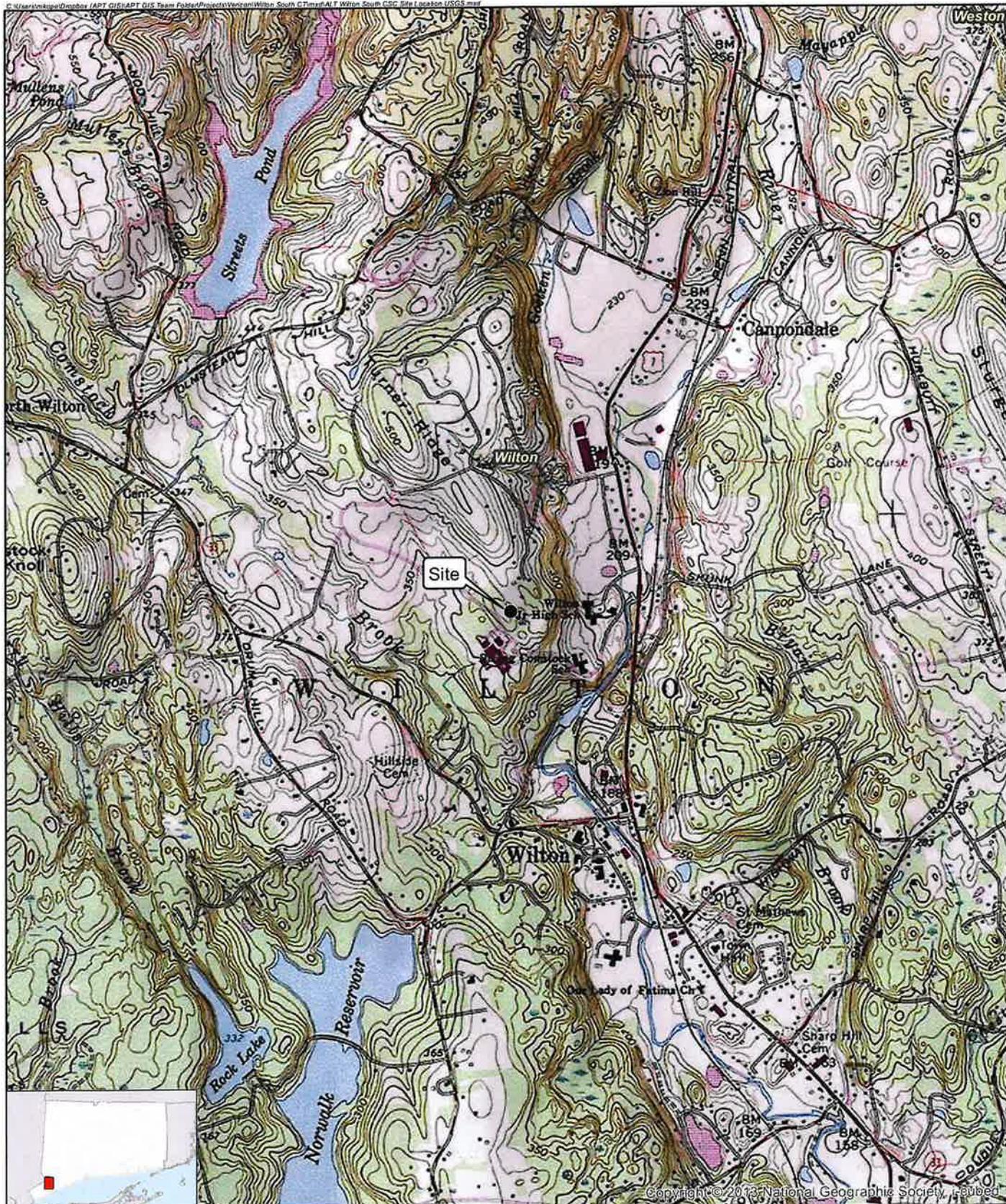
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SITE NAME: WILTON SOUTH – 180 SCHOOL ROAD, WILTON, CT

GENERAL CELL SITE DESCRIPTION

The proposed Wilton South cell site would be in the northwest portion of an approximately 109.27-acre parcel owned by The Town of Wilton. The facility would consist of a 123-foot telecommunications tower disguised as a pine tree (“monopine”) and associated equipment located within a 60’ x 60’ fenced compound and leased area. Faux branches would extend approximately five (5) feet above the top of the tower to a height of 128 feet above ground level. Cellco will install equipment and battery cabinets, a propane-fueled generator and propane fuel tank located within the facility compound, near the base of the tower.

Cellco would attach up to twelve (12) antennas and twelve (12) remote radio heads at the top of the tower. Vehicular access to the facility would extend from School Road over the existing school bus parking lot to the facility compound. Utility service would also extend from existing service on the Property to the cell site.



Legend

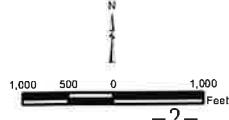
- Site
- Municipal Boundary

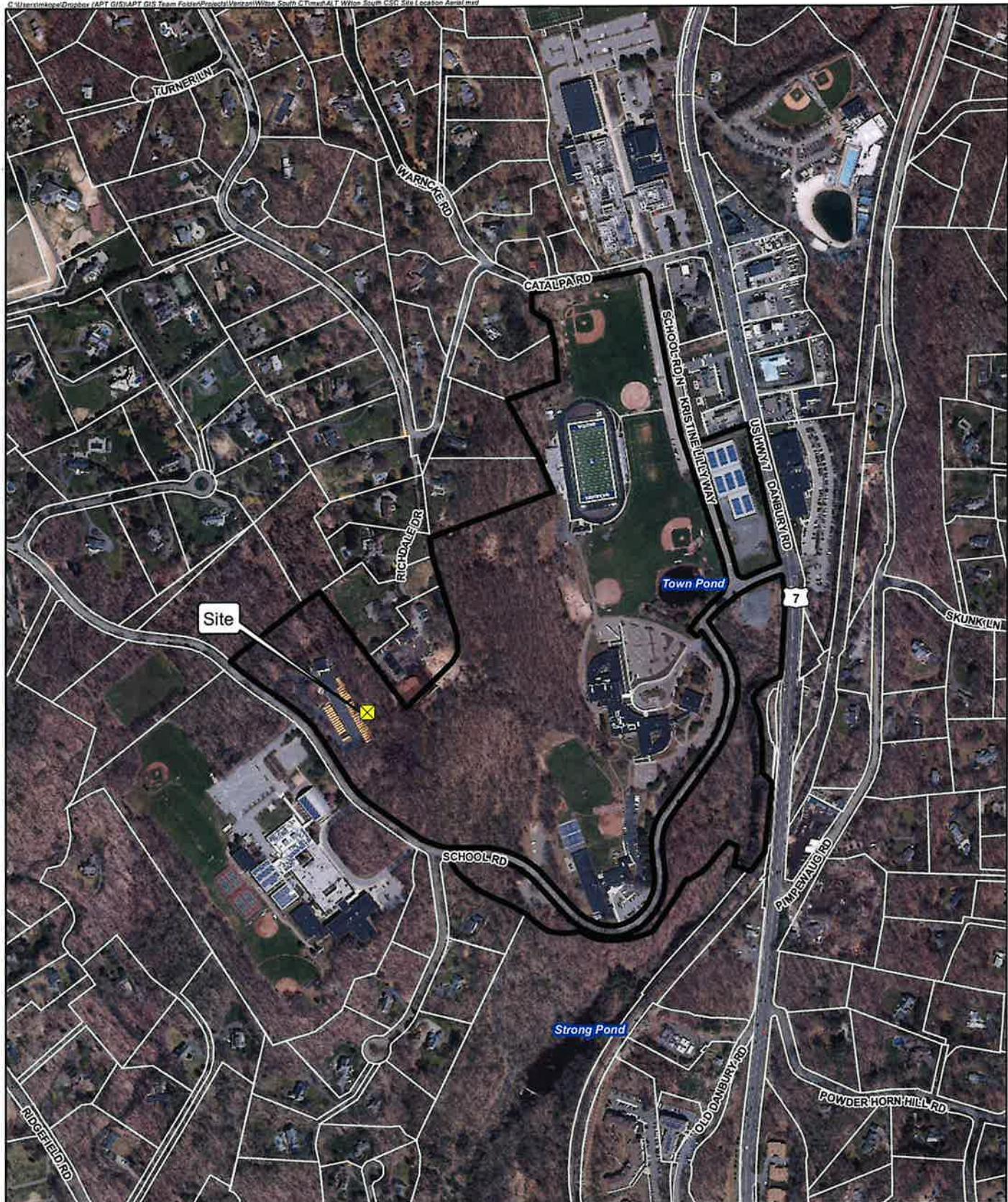
Site Location Map

Proposed Wireless
Telecommunications Facility
Wilton South CT
180 School Road
Wilton, Connecticut

verizon[®]

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic
Quadrangle Map, Norwalk North, CT (1975)
Map Scale: 1:24,000
Map Date: March 2023





Legend

- X Site
- Subject Property
- Approximate Parcel Boundary

Site Location Map

Proposed Wireless
Telecommunications Facility
Wilton South CT
180 School Road
Wilton, Connecticut

verizon[®]

Map Notes:
Base Map Source: CT ECO 2019 Imagery
Map Scale: 1 inch = 500 feet
Map Date: March 2023



600 300 0 600
Feet



Legend

- Proposed Verizon Wireless Equipment Compound
- Subject Property
- Proposed Verizon Wireless Equipment
- Approximate Parcel Boundary
- Existing Equipment (By Others)
- Proposed Verizon Conduit
- Existing Utility Pole (By Others)

Map Notes:
 Base Map Source: 2019 CT ECO Imagery
 Map Scale: 1 inch = 125 feet
 Map Date: March 2023



Site Schematic

Proposed Wireless
 Telecommunications Facility
 Wilton South CT
 180 School Road
 Wilton, Connecticut

verizon

ALL-POINTS
 TECHNOLOGY CORPORATION

SITE EVALUATION REPORT

SITE NAME: WILTON SOUTH – 180 SCHOOL ROAD, WILTON, CT

I. TOWER LOCATION

- A. COORDINATES: 41°-12'- 15.5 N 73°-26'- 15.15 W
- B. GROUND ELEVATION: Approximately 371± feet AMSL
- C. U.S.G.S. QUADRANGLE MAP: Norwalk North, CT
- D. SITE ADDRESS: 180 School Road, Wilton, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within ¼ mile of the cell site is zoned R-2A (Residential).

II. DESCRIPTION

- A. SITE SIZE: 60' x 60' Fenced Compound and Leased Parcel
- B. LESSOR'S PARCEL: Approximately 109.27 acres
- C. TOWER TYPE/HEIGHT: Overall Height - 128' Monopine Tower
- D. SITE TOPOGRAPHY AND SURFACE: Topography in the area generally flat, sloping gently down from north to south. Cellco will utilize the existing driveway and school bus parking area to access the cell site. Clearing and minimal grading will be required to construct the cell site compound.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower would be located in the northwest portion of the approximately 109.27-acre parcel. The new facility compound is located more than 100 feet from the closest wetland area to the south.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The school bus parking lot is surrounded by Millbrook School to the west, undeveloped woodlands to the south and north and residential uses to the north, south and northeast. Immediately east of the proposed tower site is a landscaping materials storage area operated by Knapp Tree Inc. (See Site Location Map, Site Schematic and U.S.G.S. Topographic Map at pp. 2-4).

FACILITIES

- G. POWER COMPANY: Eversource
- H. POWER PROXIMITY TO SITE: Existing transformer approximately 350 feet, located adjacent to the Town garage.
- I. TELEPHONE COMPANY: Frontier Communications
- J. PHONE SERVICE PROXIMITY: From existing utility pole along School Road, north of the School bus lot. (*See Plan Sheet C-1 in this Attachment 1*).
- K. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend from School Road over the existing driveway and paved parking area to the cell site.
- L. CLEARING AND FILL REQUIRED: Tree clearing, and minimal site grading would be required to construct the facility compound. Detailed construction plans would be developed if this location is approved by the Siting Council.

III. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: Town of Wilton
- C. ADDRESS: 180 School Road, Wilton, CT

DEED ON FILE AT: Town of Wilton, CT Land Records

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**FACILITIES AND EQUIPMENT SPECIFICATION
(NEW TOWER & EQUIPMENT)**

SITE NAME: WILTON SOUTH – 180 SCHOOL ROAD, WILTON, CT

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-supporting monopole
- C. TOWER HEIGHT: 123' AGL; 128' to top of faux branches

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

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

- 1. Panel Antennas – Six (6) Model JMA MX-06 FRO660-03; Three (3) Samsung C Band 64T64R Massive MIMO; and Three (3) Samsung MT6407-77A antennas
- 2. Remote Radio Heads (RRH)
Six (6) Samsung B2/B66 RRH
Six (6) Samsung B5/B13 RRH
- 3. GPS Antenna: Attached to the equipment canopy
- 4. Transmission Lines:
Two (2) Model: HS 85016661 HYBRID fiber optic antenna cables

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-H “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: WILTON SOUTH - 180 SCHOOL ROAD, WILTON, 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 tower or related facility compound improvements. The closest wetland area is located more than 100 feet to the south of the proposed facility compound. (See also Attachment 11).

B. AIR QUALITY

Under ordinary operating conditions, Cellco's equipment at the Wilton South Facility would generate no air emissions. During power outages and periodically for maintenance purposes, Cellco would utilize a propane-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

Trees and ground vegetation will need to be cleared and minimal grading will be required to construct the facility compound. 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 far-field RF calculation for Cellco's 700 MHz, 850 MHz, 1900 MHz, 2100 MHz 3550 MHz and 3700 MHz antennas at the Wilton South Facility would be 6.9% of the FCC Safety Standard. (See Attachment 13).

F. VISIBILITY

See Visibility Report included as Attachment 8.



WIRELESS COMMUNICATIONS FACILITY

SITE NAME: WILTON SOUTH CT

TOWN OF WILTON
180 SCHOOL RD.
WILTON, CT 06897

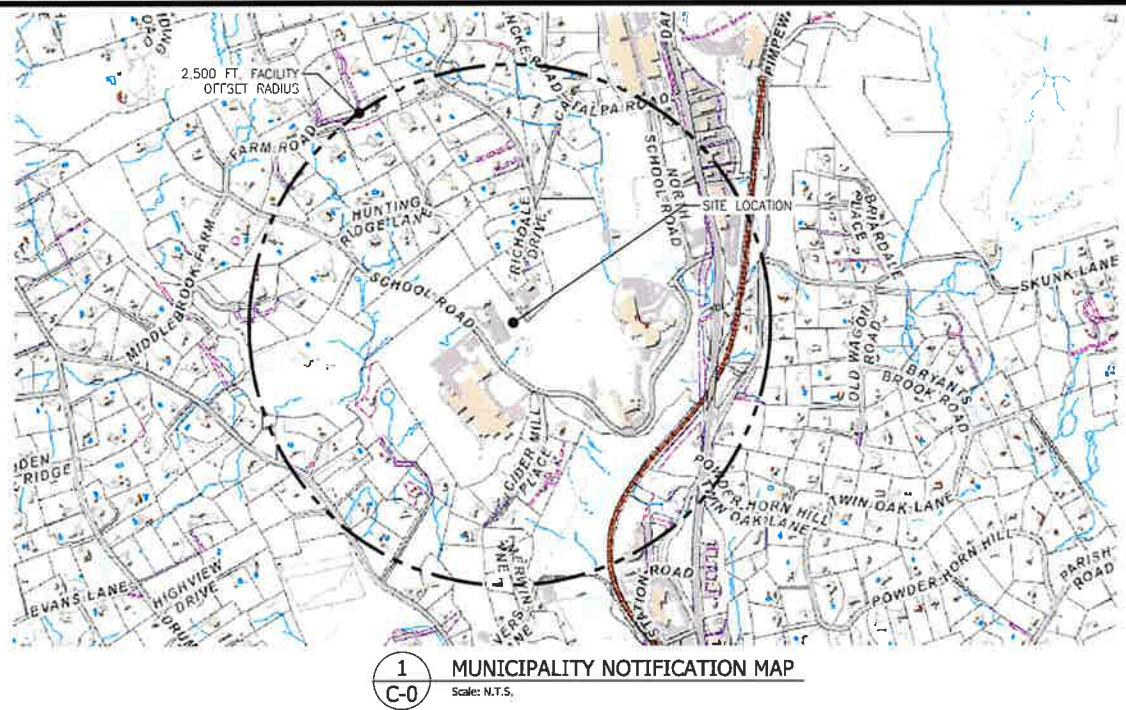
PROJECT SUMMARY	
SITE NAME:	WILTON SOUTH CT
SITE ADDRESS:	TOWN OF WILTON 180 SCHOOL RD. WILTON, CT 06897
PROPERTY OWNER:	TOWN OF WILTON 238 DANBURY RD. WILTON, CT 06897
PARCEL ID:	59-3
TOWER COORDINATES:	41° 12' 15.50" N 73° 26' 15.15" W
APPLICANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 20 ALEXANDER DR. WALLINGFORD, CT 06492
VERIZON WIRELESS CONSTRUCTION:	MIKE HUMPHREYS - CONSTRUCTION STRUCTURE CONSULTING GROUP
LEGAL/REGULATORY COUNSEL:	KENNETH C. BALDWIN, ESQ. ROBINSON & COLE, LLP (860) 275-8345

PROJECT DESCRIPTION	
<ul style="list-style-type: none"> - INSTALLATION OF A 123 FT. MONOPINE/TOWER AND FENCED-IN COMPOUND AT GRADE - INSTALLATION OF OUTDOOR EQUIPMENT CABINETS AND A PROPANE FUELED STANDBY GENERATOR LOCATED ON A 20'x10' CONCRETE PAD WITHIN THE COMPOUND - INSTALLATION OF (12) PANEL ANTENNAS AND ASSOCIATED DEVICES ON THE MONOPINE/TOWER - INSTALLATION OF CABLING FROM EQUIP. CABINETS TO ANTENNAS - ELECTRIC/TELEPHONE SERVICES ROUTED UNDERGROUND - FACILITY ACCESS FROM EXISTING OWNER'S PARKING LOT 	



DRAWING SCHEDULE	
SHEET NO.	SHEET DESCRIPTION
T-1	TITLE SHEET
C-0	MUNICIPALITY MAP, ABUTTERS MAP & PROPERTY OWNER LIST
C-1	KEY MAP, RADIUS MAP & SITE LAYOUT
C-2	SITE PLAN
C-3	WETLAND PROTECTION & EROSION CONTROL NOTES & DETAILS
C-4	COMPOUND PLAN, WEST ELEVATION & EQUIPMENT PLAN
C-5	ANTENNA PLAN & DETAILS
C-6	CIVIL/SITE DETAILS
C-7	EQUIPMENT PAD/CANOPY PLAN & SECTIONS

Celco Partnership d/b/a Verizon Wireless	
verizon WIRELESS COMMUNICATIONS FACILITY 20 ALEXANDER DRIVE WALLINGFORD, CT 06492	
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	
0	02.27.23 REVIEW
1	03.07.23 CSC FILING SET
DRAWN BY: CHECKED BY:	
MF	DW
PROJECT TYPE:	
NEW BUILD MACRO	
SITE NAME:	
WILTON SOUTH CT	
PROJECT INFORMATION:	
TOWN OF WILTON 180 SCHOOL RD. WILTON, CT	
DRAWING TITLE:	
TITLE SHEET	
SHEET NUMBER:	
T-1	



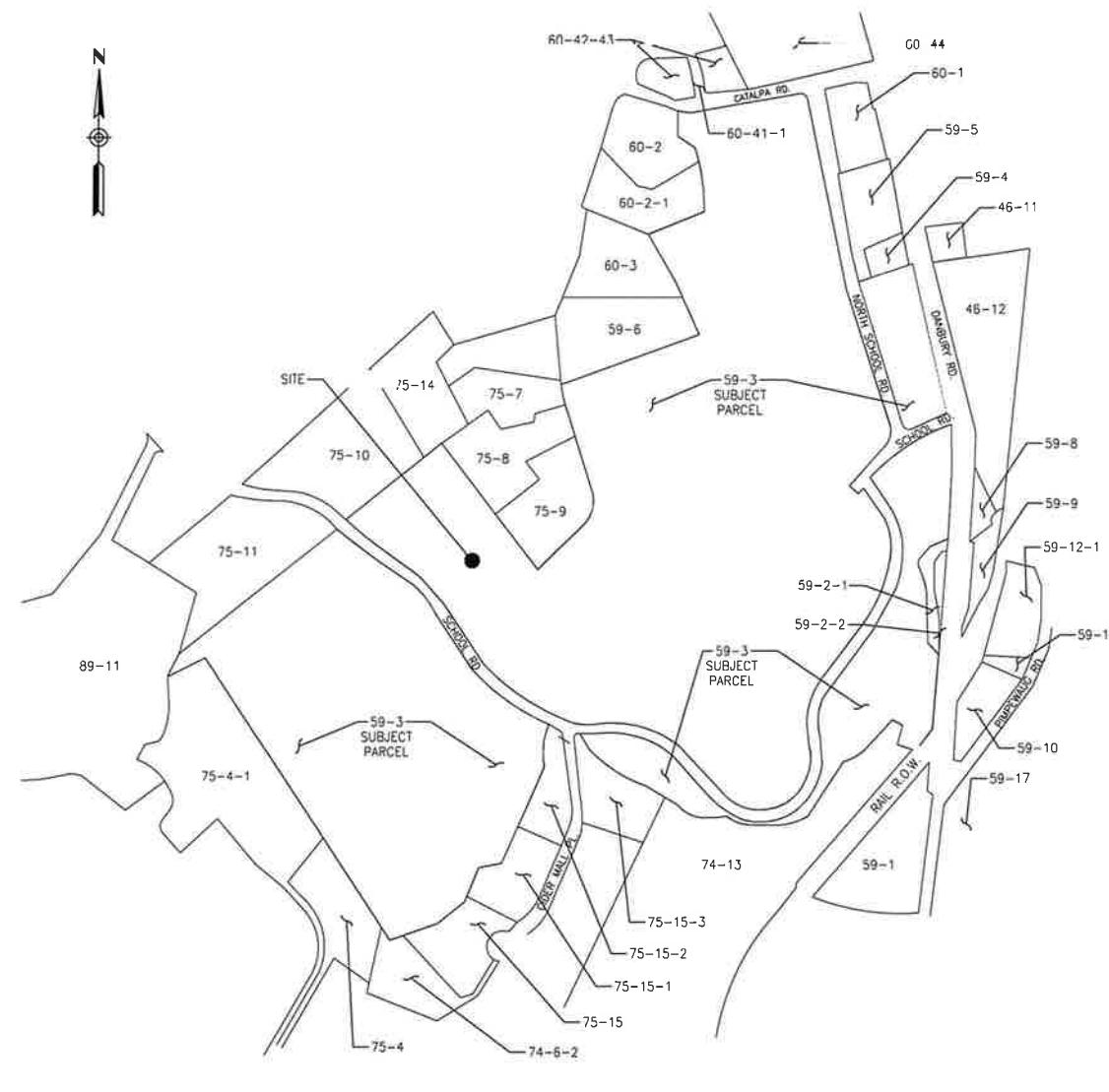
1 MUNICIPALITY NOTIFICATION MAP
C-0

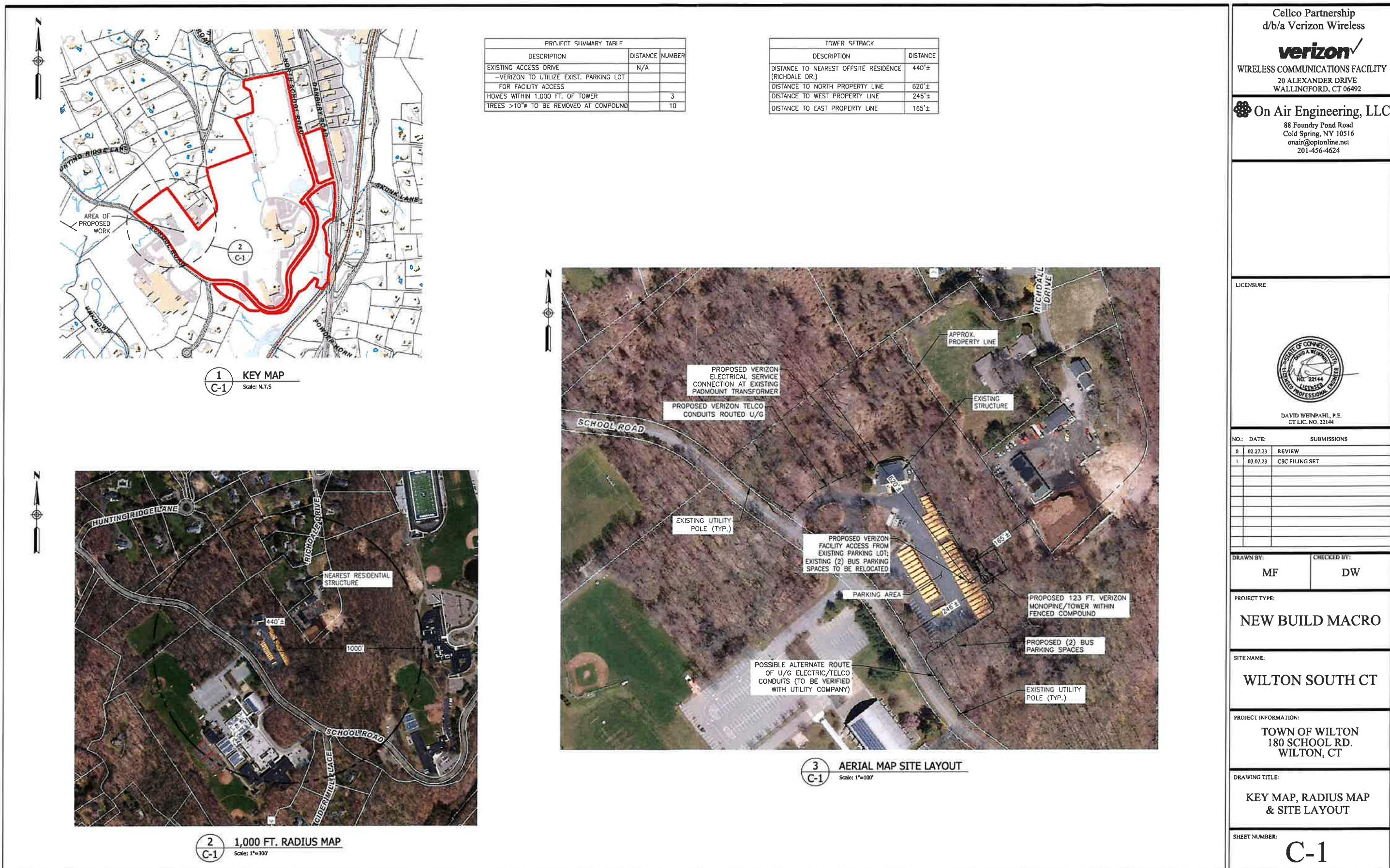
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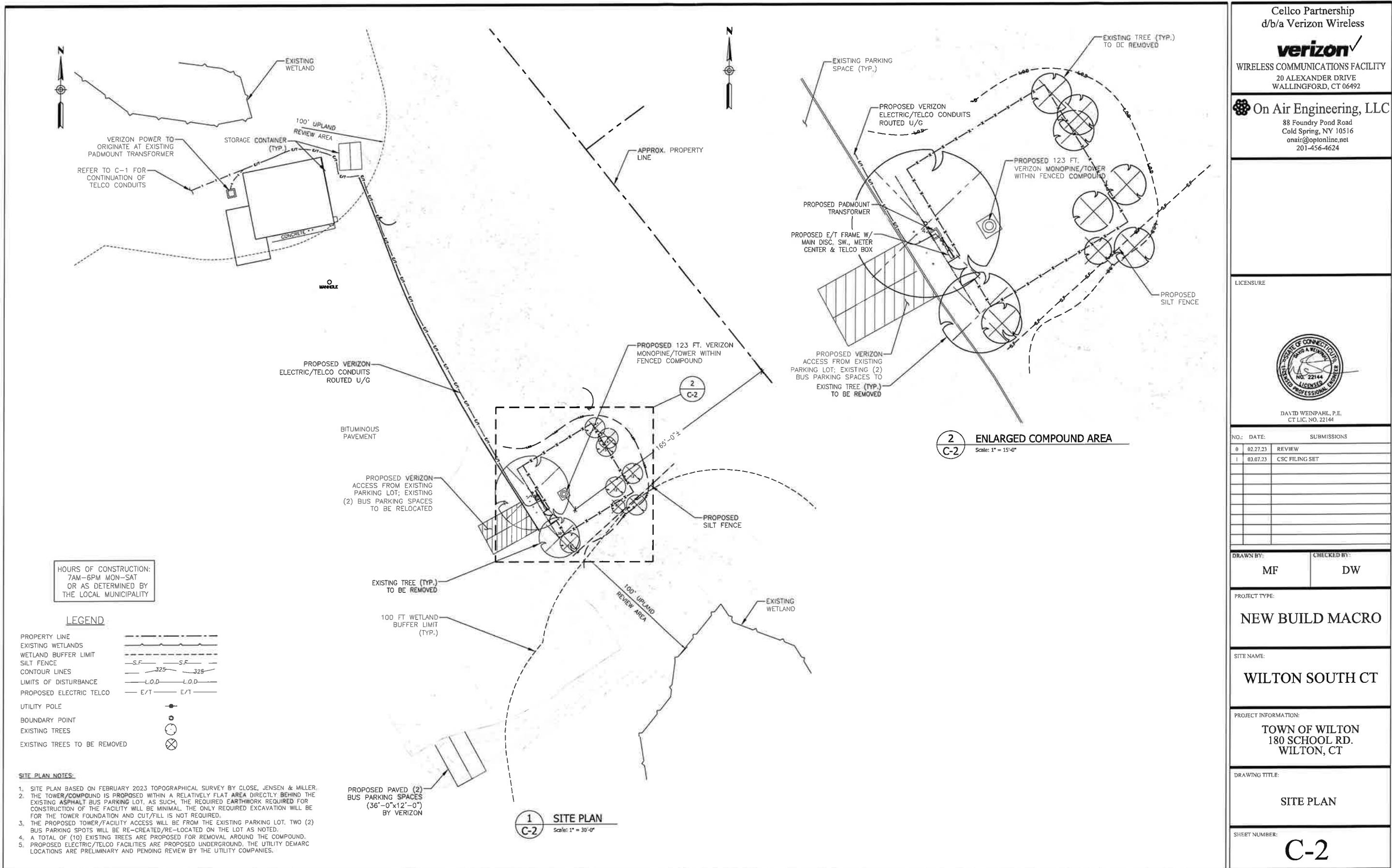
ABUTTERS LIST FROM PARCEL 59-3		
PARCEL #	OWNER NAME	OWNER MAILING ADDRESS
60-1	THREE EIGHTY SEVEN LLC C/O ANDREW MORIN	1275 TURKEY ROOST KNOB, TALLAHASSEE FL 32317
59-5	385-UDD LLC	459 ROMANOCK RD, FAIRFIELD CT 06425
59-4	JNM LLC C/O RICHARD FRANCIA	2 TULIP TREE LA, NORWALK CT 06851
46-11	WILTON AUTO PARK LLC	22 COBBERS LA, RIDGEFIELD CT 06877
46-12	WILTON GSE LLC C/O THE GROSSMAN COMPANIES INC.	ONE ADAMS PL, QUINCY MA 02169
59-8	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
59-9	ROBINSON CHARLES J & ROSEMARIE	254 DANBURY RD, WILTON CT 06897
59-2-1	STATE OF CONNECTICUT D.O.T.	2800 BERLIN TPKE, NEWINGTON CT 06131
59-2-2	STATE OF CONNECTICUT D.O.T.	2800 BERLIN TPKE, NEWINGTON CT 06131
59-12-1	KLANCKO WILLIAM R & ANDREA R	53 PIMPEWAUG RD, WILTON CT 06897
59-10 & 11	1 & 25 PIMPEWAUG ROAD LLC	3 PIMPEWAUG RD, WILTON CT 06897
59-17	MNG EQUITIES LLC C/O NAVA GUERON	2450 NE 196TH ST, MIAMI FL 33180
59-1	REGENCY PROPERTIES LLC	164 LEROY AVE, DARIEN CT 06820
N/A	NATIONAL RAILROAD PASSENGER CORP. C/O ALAN WARNER, SENIOR MANAGER REAL ESTATE	30TH ST. STATION - 55-014-BOX 25; 2955 MARKET ST. PHILADELPHIA, PA 19104
74-13	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
75-15-3	MCCARTY ANN P	11 CIDER MILL PL, WILTON CT 06897
75-15-2	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
75-15-1	KALSH JASON E & LARUSSO LAUREN	28 CIDER MILL PL, WILTON CT 06897
75-15	LYNCH KIERAN A & VICTORIA	40 CIDER MILL PL, WILTON CT 06897
74-6-2	BAILEY JONATHAN & ANGELA	44 CIDER MILL PL, WILTON CT 06897
75-4	MCKELVY NANCY	130 RIDGEFIELD RD, WILTON CT 06897
75-4-1	PATTY WILLIAM A & ELIOT H	174 RIDGEFIELD RD, WILTON CT 06897
89-11	SMITH CHRISTOPHER & MELINDA A.	12 MIDDLEBROOK LANE, WILTON CT 06897
75-11	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
75-10	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
75-14	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
75-8	ROBLES EMILIO & ALDO RENE	21 RICHDALE DR, WILTON CT 06897
75-9	KNAPP PROPERTIES LLC	PO BOX 264, GEORGETOWN CT 06829
75-7	PANTELIAS ANASTASIOS & HOMAR MARIA INMACULADA RIERA	15 RICHDALE DR, WILTON CT 06897
59-6	MORRONE LOUIS J & SULLIVAN RYAN	2 RICHDALE DR, WILTON CT 06897
60-3	LEHR LAURA & JOSEPH	69 CATALPA RD, WILTON CT 06897
60-20-1	FALTA DANIEL J	20 CHEESE SPRING RD, WILTON CT 06897
60-2	LIVSEY MAGDALEN B TR	33 CATALPA RD, WILTON CT 06897
59-6	BOHJALIAN ANDREW P & HASTINGS PAMELA	32 CATALPA RD, WILTON CT 06897
60-41-1	KLEIBER ALYSON	28 CATALPA RD, WILTON CT 06897
60-44	WILTON TOWN OF	238 DANBURY RD, WILTON CT 06897
		395 DANBURY RD

NOTES TO ABUTTERS MAP & OWNERS LIST:

1. ALL INFORMATION TAKEN FROM THE TOWN OF WILTON ONLINE "GIS" AND TAX ASSESSOR RECORDS, MARCH 2023.







WETLAND PROTECTION AND RESTORATION PROGRAM

A portion of the proposed underground utility route is located within the 100 ft. wetland buffer on the west side of the development area and located just outside a second wetland 100 ft. buffer. The following Best Management Practices (BMP's) are recommended to avoid unintentional impact to wetland habitats during construction activities.

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 contractors and end-users of the potential impact of work on the site; wetland protective measures; wetland restoration measures; and, reporting.

Erosion and Sedimentation Controls

a. All erosion and sedimentation controls shall conform to the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, DEP Bulletin 34.

b. 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 measures, including erosion control materials and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.

c. Installation of silt fencing and/or other erosion control devices (i.e., straw wattles, compact filter socks, etc.) shall be performed by the Contractor prior to any earthwork. APT will inspect the work zone area prior to end following erosion control installation to ensure devices are properly installed.

d. 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 tow stakes or approved equivalent. The Contractor is responsible for inspection of all silt fencing 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 silt fencing and erosion controls to determine if any of the erosion control devices only as it pertains to protection of rare species and nearby wetlands.

e. The extent of erosion controls will be 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.

f. No equipment, vehicles or construction materials shall be stored outside of the exclusionary fencing or within 50 feet of wetlands or watercourses.

g. 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. Fiber rolls/wattles, straw bales, or other non-woven material erosion control products if used, such devices shall be left in place to stabilize and prevent re-erosion. Soil are stable as not to create a barrier to migrating wildlife. Seed from seedings should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

Welland Restoration Measures

a. 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.

b. 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.

c. Swamp mats, timber mats or similar devices shall be installed prior to clearing, grubbing or excavation activities.

d. Clearing, grubbing and utility trenching activities may not commence in any clearing or phase of the project until the erosion and sediment control controls installed by the APT, 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.

e. Soil excavated from wetland areas shall be carefully removed with the tools 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.

f. Soil excavated from the utility trench located within or adjacent to wetlands shall be temporarily placed on geotextile fabric.

g. 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.

h. Inlet pipe and trench plug in wetland areas, as necessary, to prevent the trench from dredging the wetland or changing its hydrology, as determined by the Environmental Monitor.

i. Backfill pipe trench. Backfill first with stockpiled wetland subsoil, with the top 12-inches of the excavated trench filled with the stockpiled wetland topsoil to match original surface grades.

j. No soil amendments such as agricultural lime, fertilizer, etc. will be used within wetland areas.

k. 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.

l. 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.

m. Seed disturbed wetland areas with a New England Wet Seed Mix (New England Wetland Plants, Inc. or approved equivalent) or the manufacturers recommended seed rate. Mulch disturbed wetland areas with non-woven natural fiber erosion control blanket or 2 to 3 inches of clean straw mulch.

n. Seed disturbed upland areas with a New England Semi-Shade Grass and Forbs Mix (New England Wetland Plants, Inc. or approved equivalent) or 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.

o. Maintenance of erosion and sedimentation control devices until site work is complete and a uniform 70% perennial vegetative cover is established as determined by the Environmental Monitor.

p. 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-vegetate areas disturbed during the removal of the soil erosion and sediment controls.

WETLAND PROTECTION AND RESTORATION PROGRAM—CONTINUED

3. Contractor Education

a. 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 take Protective Measures and Restoration Measures as described in Section 3 below.

4. Petroleum Materials Storage and Spill Prevention

a. 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.

b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the excavation 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.

c. 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

1. 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 fuel.

2. 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

1. Stop operations and shut off equipment.

2. Remove any sources of spark or flame.

3. Contain the source of the spill.

4. Determine the approximate volume of the spill.

5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.

6. Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment

1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.

2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.

iv. Isolate and Eliminate the Spill Source

1. Contact the Connecticut Siting Council along with other appropriate local, state and/or federal agencies, as necessary.

2. Contact a disposal company to properly dispose of contaminated materials.

v. Reporting

1. Complete an incident report.

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

vi. Herbicide and Pesticide Restrictions

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

vi. Reporting

a. 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.

b. 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 (NON-WETLAND AREAS)

A. IF GROUND HAS BEEN PREVIOUSLY MULCHED, MULCH MUST BE REMOVED OR ADDITIONAL NITROGEN MUST BE ADDED.

B. REMOVE ALL SURFACE STONES 2" OR LARGER AS WELL AS ALL DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, CLUMPS, OR OTHER UNSUITABLE MATERIAL.

C. 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.

D. 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".

E. DO NOT APPLY ANY FORM OF WEED CONTROL UNTIL GRASS HAS BEEN MOWED AT LEAST 4 TIMES.

F. THESE SEEDING MEASURES ARE NOT TO BE USED ON SLOPES IN EXCESS OF 2:1 GRADING.

G. 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.

H. 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.

I. ALL DISTURBED AREAS OUTSIDE THE PAVED AREA SHALL BE LOAMED AND SEEDED IN ACCORDANCE WITH THE SUGGESTED SEEDING MIXTURES TABLE.

SUGGESTED SEEDING MIXTURES AND PRACTICES (NON-WETLAND AREAS)

AREAS WHERE SEED MIX APPLIES SEEDING MIXTURES BY WEIGHT RATE PER 1,000 SQ. FT. SEEDING DATES

AREAS WHERE SEED MIX APPLIES	SEEDING MIXTURES BY WEIGHT	RATE PER 1,000 SQ. FT.	SEEDING DATES
ALL LAWN AREAS	RED FESCUES 45% KENTUCKY BLUEGRASS 45% PERENNIAL RYEGRASS 10%	1 LBS.	APRIL 1 – JUNE 15 OR AUG. 15 – OCT. 1
ROAD CUTS, FILLS, DIVERSION DITCHES, & STORMWATER BASINS	KENTUCKY TALL FESCUE 47% REDTOP 6% CREPPING RED FESCUE 47%	0.95 LBS.	APRIL 1 – JUNE 15 OR AUG. 15 – OCT. 1

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
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SILT FENCE SPECIFICATIONS

A. SYNTHETIC FILTER FABRIC SHALL BE A PERVERSIVE 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:

1. FILTERING EFFICIENCY 75 PERCENT (MIN)

2. GRAB TENSILE STRENGTH 100 POUNDS

3. ELONGATION AT FAILURE 15 PERCENT

4. MULLETS BURST STRENGTH 250 POUNDS PER SQUARE INCH

5. PUNCTURE STRENGTH 50 POUNDS

6. APPARENT OPENING SIZE 0.60mm x 0.90mm

7. FLOW RATE 0.2 GALLONS PER SQUARE FOOT PER MINUTE

8. PERMITTIVITY 0.05 PER SECOND (MIN)

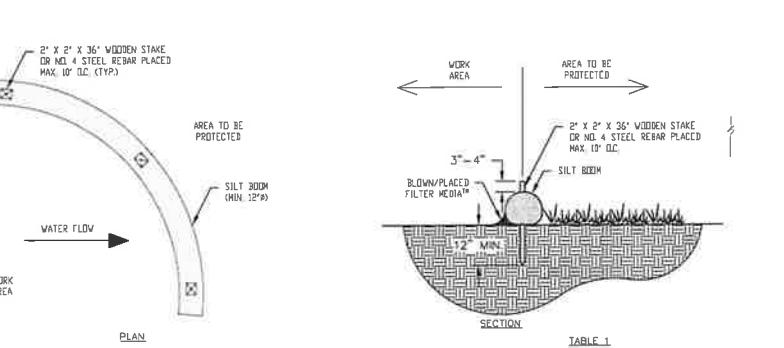
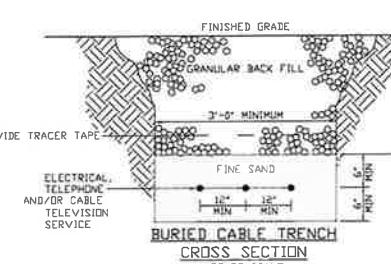
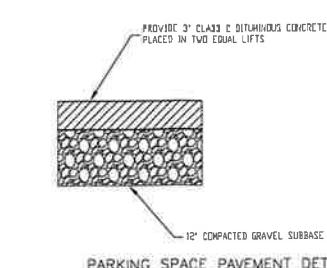
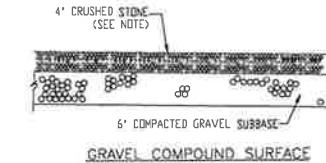
9. ULTRAVIOLET RADIATION STABILITY 70 PERCENT AFTER 500 HOURS OF EXPOSURE (MIN)

B. STAKES ARE TO BE MADE OUT OF HARDWOOD WITH A MINIMUM CROSS SECTIONAL AREA OF 1.5 SQUARE INCHES OR STEEL POSTS WITH A MINIMUM WEIGHT OF 5.0 POUNDS PER LINEAR FOOT.

C. TORN OR PUNCTURED GEOTEXTILES SHALL NOT BE USED.

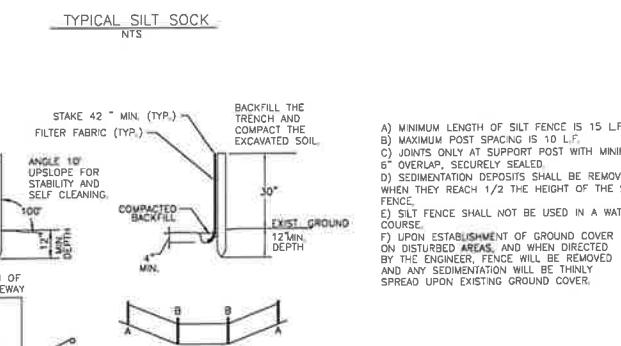
D. ON SLOPES WHERE SURFACE FLOW FOLLOWS THE SILT FENCE LINE, PERPENDICULAR SILT FENCE CHECKS SHALL BE INSTALLED AT 50 FOOT INTERVALS.

E. LINES 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.



SILT BOOM DIAMETER	EFFECTIVE HEIGHT	HALF OF EFFECTIVE HEIGHT
12 INCHES	9.5 INCHES	4.8 INCHES
18 INCHES	14.5 INCHES	7.3 INCHES
24 INCHES	19 INCHES	9.5 INCHES

TYPICAL SILT SOCK



- A) MINIMUM LENGTH OF SILT FENCE IS 15 LF.
- B) MAXIMUM POST SPACING IS 10 LF.
- C) JOINTS ONLY AT SUPPORT POST WITH MINIMUM 6" OVERLAP, SECURELY SEALED
- D) SEDIMENTATION DEPOSITS SHALL BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE SILT FENCE
- E) SILT FENCE SHALL NOT BE USED IN A WATER COURSE
- F) UPON ESTABLISHMENT OF GROUND COVER ON DISTURBED AREAS, AND WHEN DIRECTED BY THE ENGINEER, FENCE WILL BE REMOVED AND ANY SEDIMENTATION WILL BE THINLY SPREAD UPON EXISTING GROUND COVER.

PLACEMENT AND CONSTRUCTION OF A SILT FENCE

NOT TO SCALE

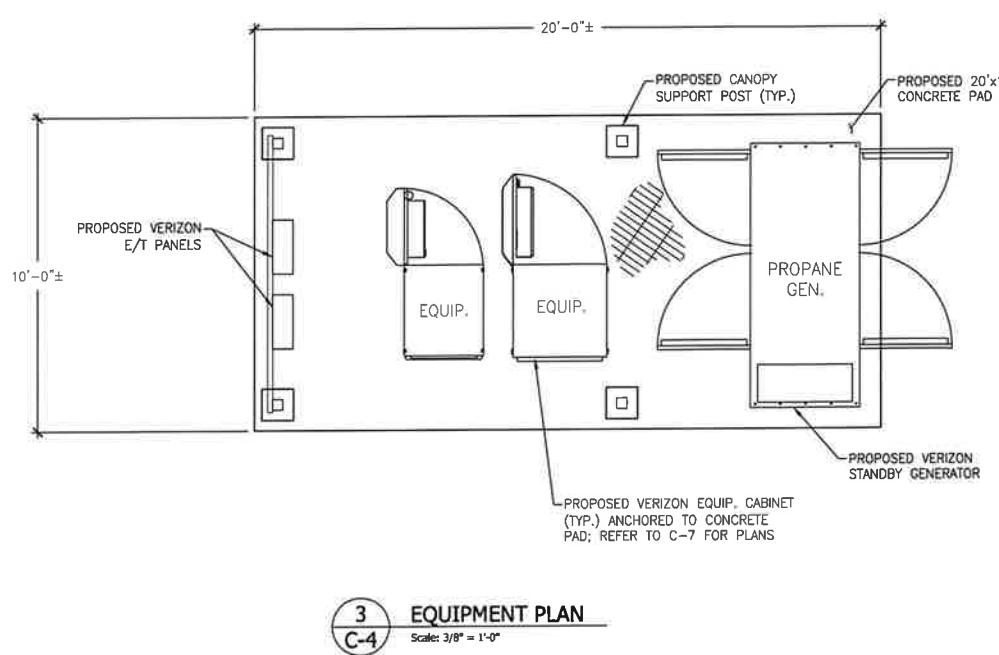
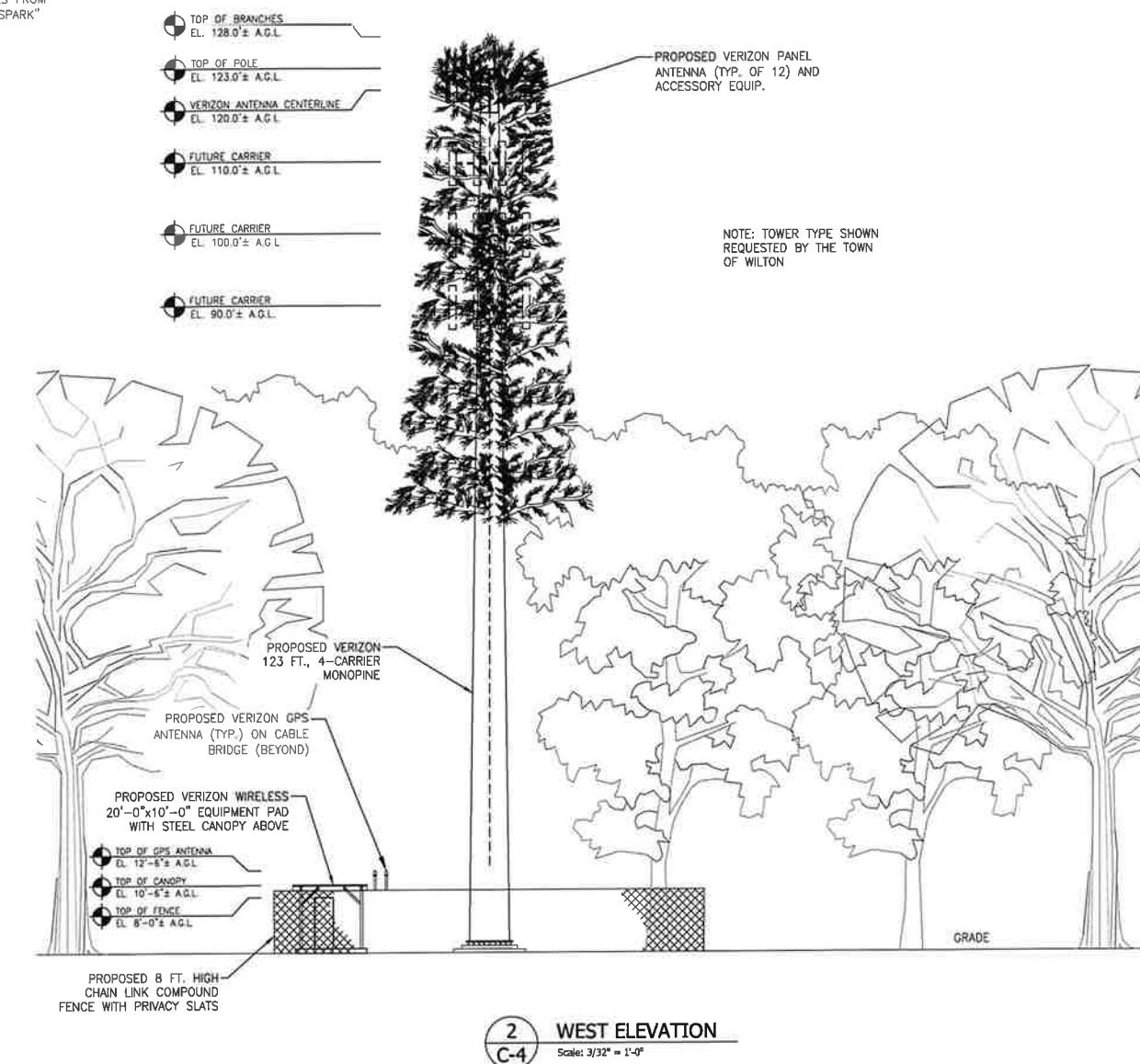
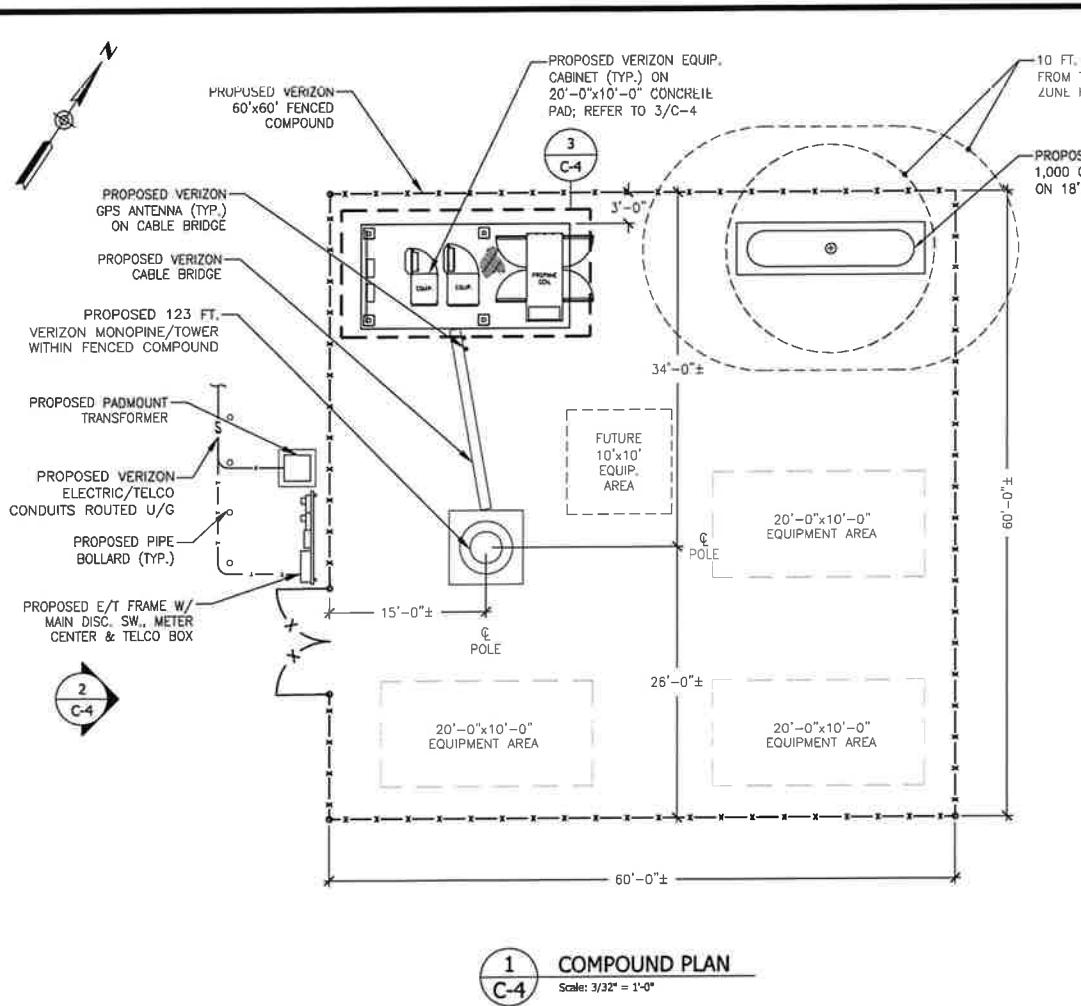
Cellco Partnership
d/b/a Verizon Wireless

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WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE

WALLINGFORD, CT 06492



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WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

LICENSURE



DAVID WEINPAHL, P.E.
STUC NO. 23144

NO.:	DATE:	SUBMISSIONS
0	02.27.23	REVIEW
1	03.07.23	CSC FILING SET

DRAWN BY: MF CHECKED BY: DW

PROJECT TYPE:

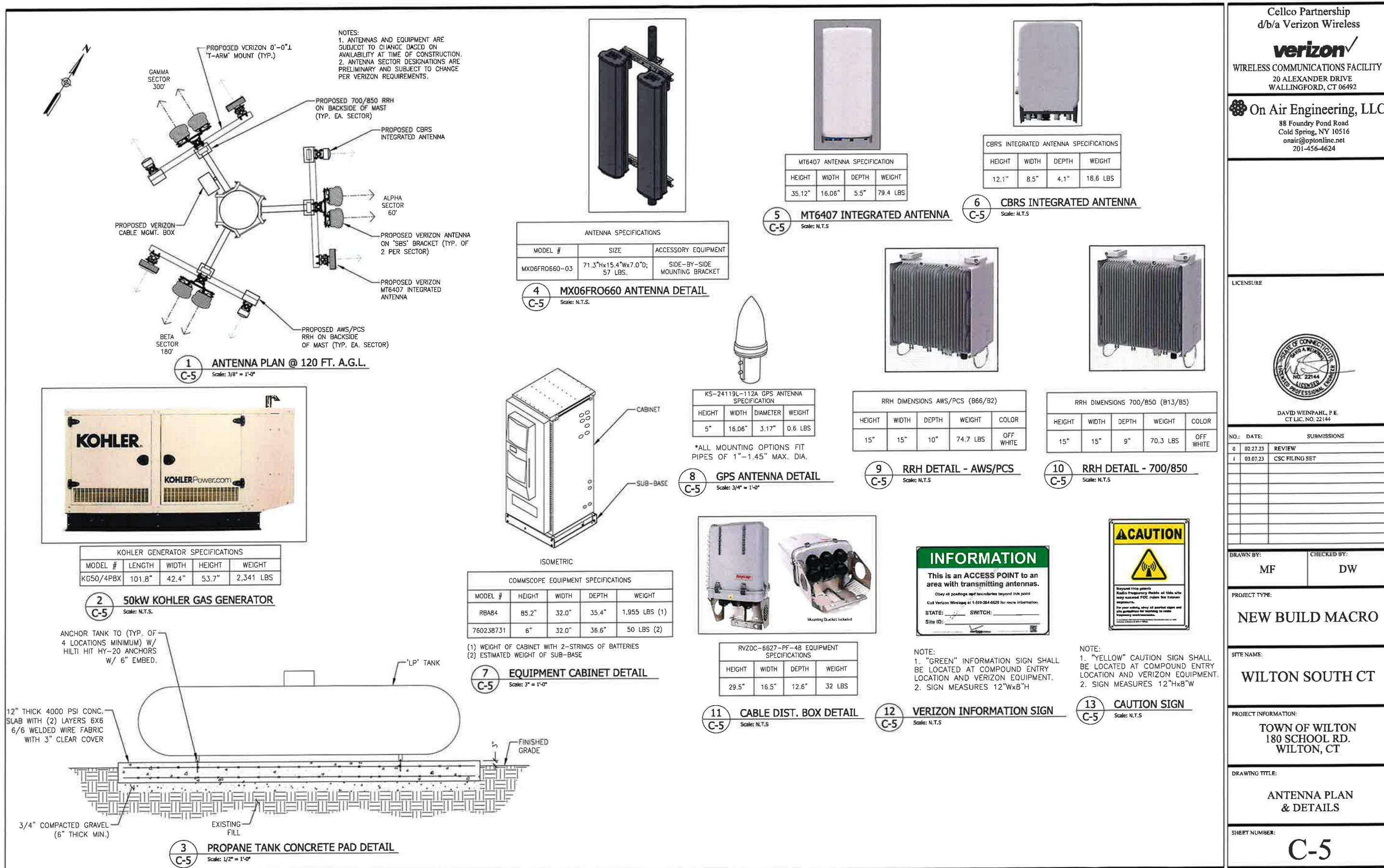
NEW BUILD MACRO

SITE NAME:

WILTON SOUTH CT

DRAWING TITLE:
**COMPOUND PLAN,
WEST ELEVATION &
FOURTH FLOOR PLAN**

SHEET NUMBER: **C-4**





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

NO. DATE: SUBMISSIONS
0 02.27.23 REVIEW
1 03.07.23 CSC FILING SET

DRAWN BY: CHECKED BY:
MF DW

PROJECT TYPE:

NEW BUILD MACRO

SITE NAME:

WILTON SOUTH CT

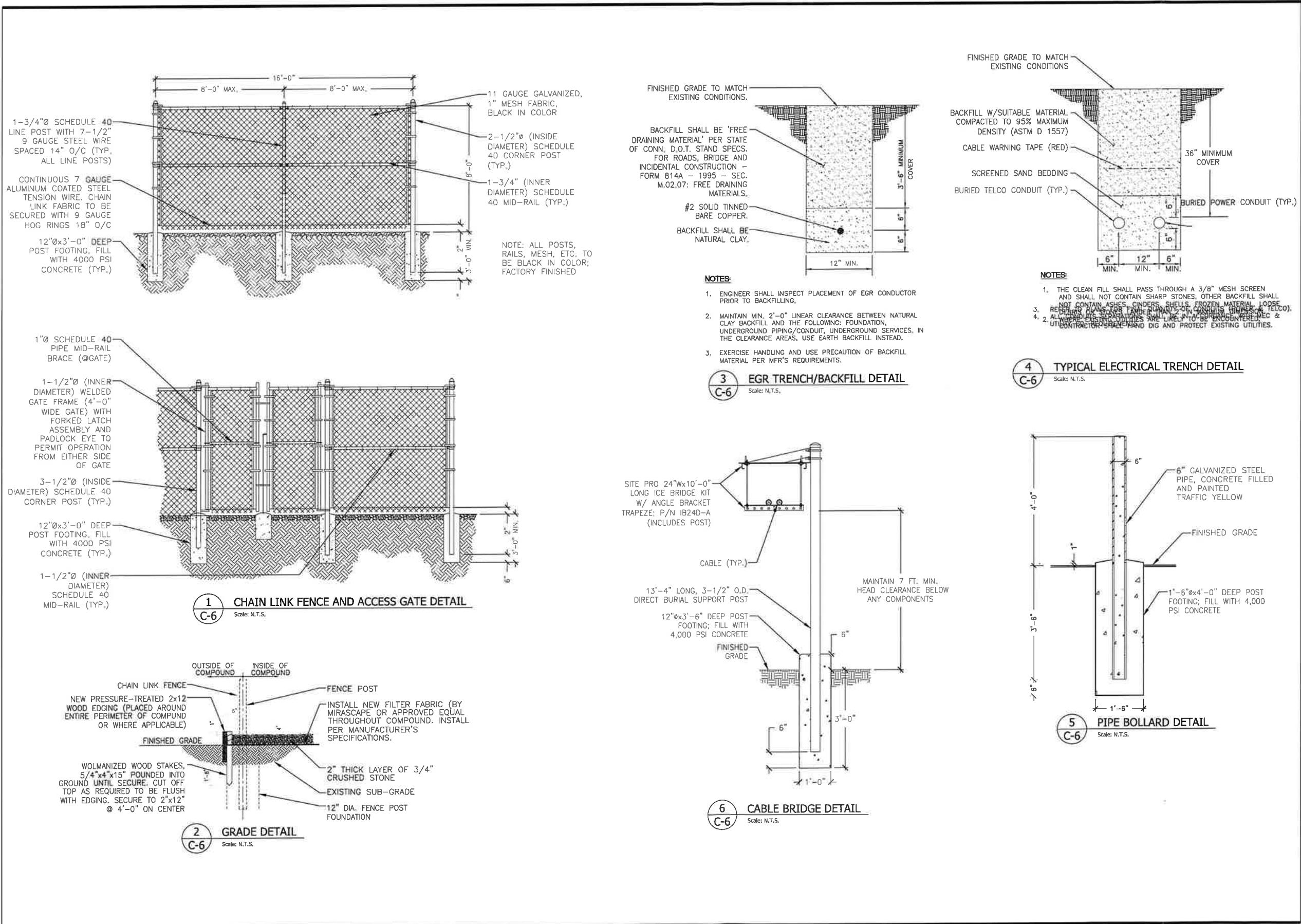
PROJECT INFORMATION:
TOWN OF WILTON
180 SCHOOL RD.
WILTON, CT

DRAWING TITLE:

CIVIL/SITE DETAILS

SHEET NUMBER:

C-6



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:

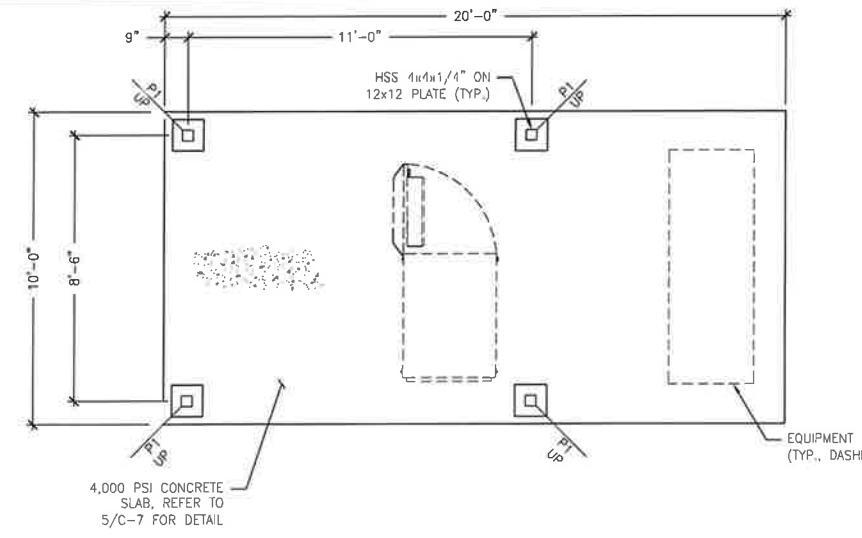
1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE.
2. ALL CONCRETE SHALL ATTAIN 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
3. READY MIX: COMPLY WITH ACI-301 AND ASTM C-94. ALL CONCRETE EXPOSED TO THE GROUND OR WEATHER SHALL BE AIR ENTRAINED.
4. COLD WEATHER CONCRETE POURING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

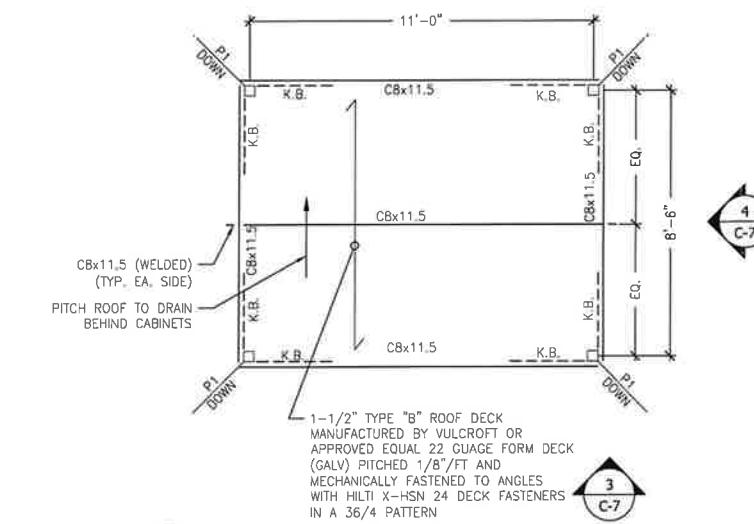
1. ALL REINFORCING BAR SHALL CONFORM TO THE LATEST ACI CODE AND DETAILING MANUAL.
2. WHERE REINFORCING IS CALLED OUT IN THE CONSTRUCTION DOCUMENTS IT SHALL BE 3" CLEAR COVER (MINIMUM UNLESS OTHERWISE NOTED).
3. ALL BARS SHALL BE ASTM A-615, GRADE 60.
4. WELDED WIRE FABRIC SHALL BE ASTM A-185.
5. WHERE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

FOUNDATION

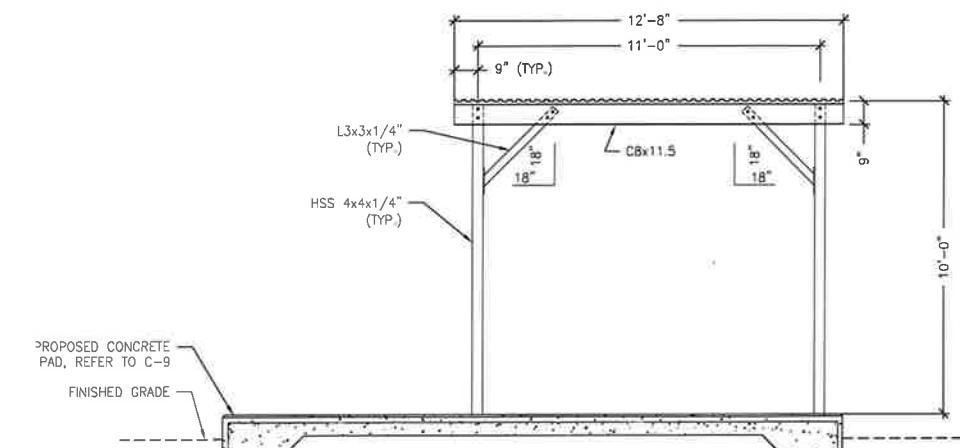
FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AND / OR SUPERVISED COMPACTED FILL, FREE OF FROST, HAVING A MINIMUM ALLOWABLE BEARING CAPACITY OF 1 1/2 TONS PER SQUARE FOOT



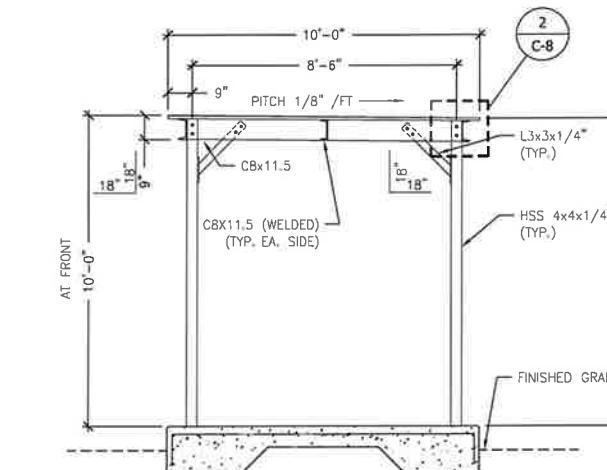
1 EQUIPMENT PAD PLAN
C-7
Scale: 1/4" = 1'-0"



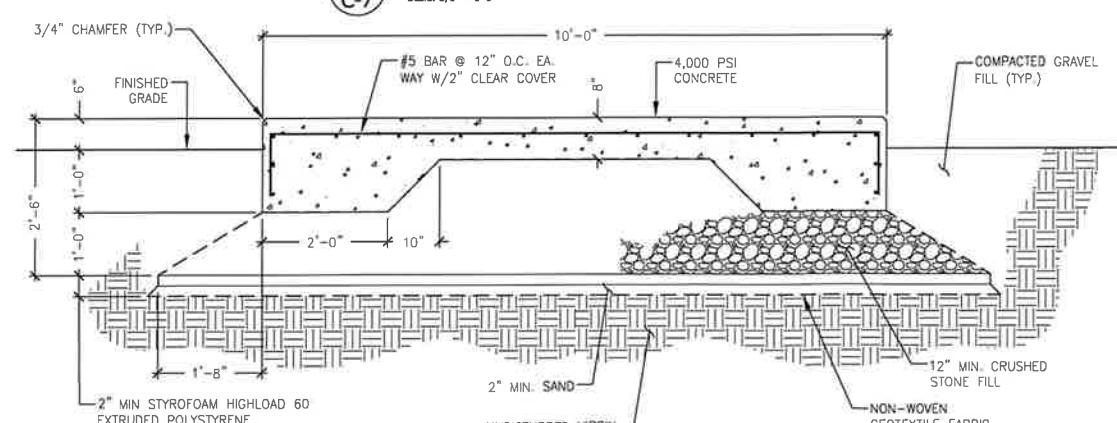
2 EQUIPMENT CANOPY ROOF FRAMING PLAN
C-7
Scale: 3/8" = 1'-0"



3 EQUIPMENT PAD AND CANOPY "LONG" ELEVATION
C-7
Scale: 3/8" = 1'-0"



4 EQUIPMENT PAD AND CANOPY "SHORT" ELEVATION
C-7
Scale: 3/8" = 1'-0"



5 CONCRETE SLAB SECTION
C-7
Scale: 3/4" = 1'-0"

PLAN NOTES

1. VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING FRAMING MEMBER SIZES AND GENERAL CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS.

LEGEND

SYMBOL	DESCRIPTION
	INDICATES HSS4x4x1/4 ASTM A500 GR. B (Fy=48ksi) STEEL POST.
	INDICATES SPAN DIRECTION
K.B.	INDICATES L3x3x1/4 ASTM A36 (Fy=36ksi) STEEL ANGLE

Cellco Partnership
d/b/a Verizon Wireless

verizon
WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

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

LICENSURE



DAVID WEINPAHE, P.E.
C.T. LIC. NO. 22144

NO. DATE: SUBMISSIONS
0 02.27.23 REVIEW
1 03.07.23 CSC FILING SET

DRAWN BY: CHECKED BY:
MF DW

PROJECT TYPE: NEW BUILD MACRO

SITE NAME: WILTON SOUTH CT

PROJECT INFORMATION:
TOWN OF WILTON
180 SCHOOL RD.
WILTON, CT

DRAWING TITLE: EQUIPMENT PAD/CANOPY PLAN & SECTIONS

SHEET NUMBER: C-7