

# **WOLCOTT SOUTH**

**Chestnut Hill Street  
Wolcott, Connecticut**

Description of Proposed Cell Site

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

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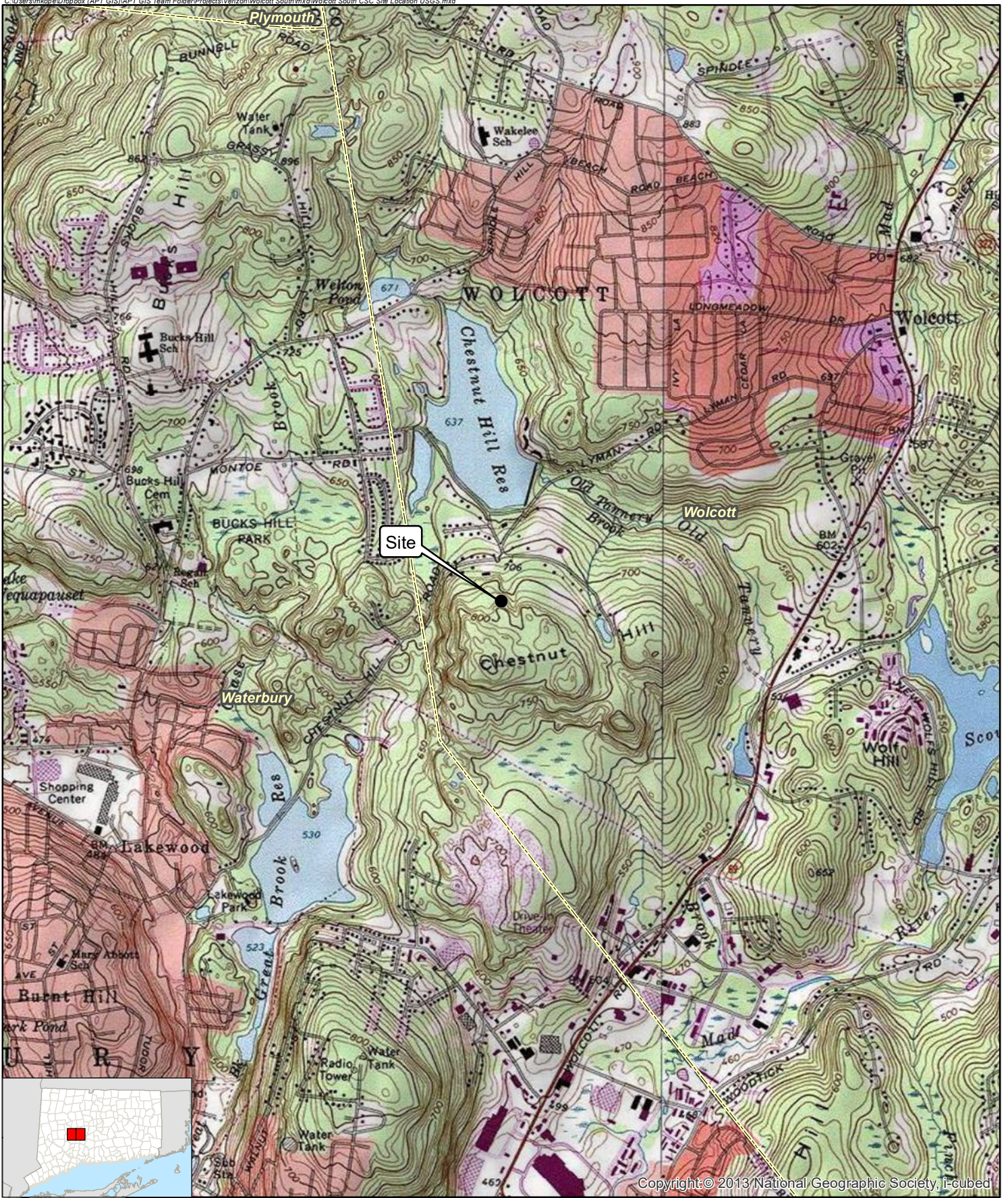
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SITE NAME: WOLCOTT SOUTH – CHESTNUT HILL ROAD, WOLCOTT, CT

GENERAL CELL SITE DESCRIPTION

The proposed Wolcott South cell site would be located in the northerly portion of an approximately 10.17-acre parcel owned by PAL Properties LLC. The facility would consist of a 120-foot telecommunications tower and associated equipment located within a 50' x 50' fenced compound and 75' x 75' leased area. Cellco will install equipment cabinets, a propane-fueled generator and propane fuel tank located within the compound, near the base of the tower.

Cellco would attach twelve (12) antennas and twelve (12) remote radio heads to an antenna platform at a centerline height of 116 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 Chestnut Hill Road over a new gravel access driveway to the facility compound. Utility service would also extend from Chestnut Hill Road to the cell site.



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**Legend**

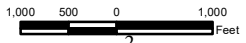
- Site
- ▭ Municipal Boundary

**Site Location Map**

Proposed Wireless  
Telecommunications Facility  
Wolcott South CT  
Chestnut Hill Road  
Wolcott, Connecticut







**Map Notes:**  
Base Map Source: USGS 7.5 Minute Topographic  
Quadrangle Map, Southington, CT (1992) and  
Waterbury, CT (1984)  
Map Scale: 1:24,000  
Map Date: September 2019





**Legend**

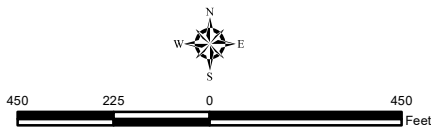
-  Site
-  Subject Property
-  Approximate Parcel Boundary (CTDEEP GIS)
-  Municipal Boundary

**Site Location Map**

Proposed Wireless  
Telecommunications Facility  
Wolcott South CT  
Chestnut Hill Road  
Wolcott, Connecticut



*Map Notes:*  
Base Map Source: 2016 CT ECO Imagery  
Map Scale: 1 inch = 450 feet  
Map Date: September 2019



## SITE EVALUATION REPORT

SITE NAME: WOLCOTT SOUTH – CHESTNUT HILL ROAD, WOLCOTT, CT

### I. TOWER LOCATION

- A. COORDINATES: 41°-35'- 24.03" N 73°-00'-31.02" W
- B. GROUND ELEVATION: Approximately 786± feet AMSL
- C. U.S.G.S. QUADRANGLE MAP: Waterbury, CT
- D. SITE ADDRESS: Chestnut Hill Road, Wolcott, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within ¼ mile of the cell site is zoned Industrial and R-40 Residential zoning districts.

### II. DESCRIPTION

- A. SITE SIZE: 50' x 50' Fenced Compound  
75' x 75' Leased Parcel
- B. LESSOR'S PARCEL: Approximately 10.17 acres
- C. TOWER TYPE/HEIGHT: 120' Monopole Tower
- D. SITE TOPOGRAPHY AND SURFACE: Topography in the area slopes gently down from south to north. Cellco will develop a new gravel driveway from Chestnut Hill Road (approximately 650 feet) to the cell site. Clearing and grading will be required to construct the new access driveway by Cellco.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower would be located in the northerly portion of an approximately 10.17-acre vacant parcel. A majority of the Property will remain undeveloped. The facility compound is located approximately 99 feet to the southwest of an existing wetland area on the Property. The access driveway extending from Chestnut Hill Road will cross the northerly portion of this same wetland area.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The 10.17-acre subject parcel is surrounded by residential 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 650 feet to the north along Chestnut Hill Road.
- 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 Chestnut Hill Road over a new gravel driveway to the cell site.
- F. CLEARING AND FILL REQUIRED: Tree clearing, and site grading would be required to construct the facility compound and gravel access driveway. Detailed construction plans would be developed if this location is approved by the Siting Council.

IV. LEGAL

- A. PURCHASE [ ] LEASE [X]
- B. OWNER: PAL Properties, LLC
- C. ADDRESS: Chestnut Hill Road, Wolcott, CT
- D. DEED ON FILE AT:

Town of Wolcott, CT Land Records

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FACILITIES AND EQUIPMENT SPECIFICATION  
(NEW TOWER & EQUIPMENT)

SITE NAME: WOLCOTT SOUTH - CHESTNUT HILL ROAD, WOLCOTT, CT

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-supporting monopole

C. TOWER HEIGHT: 120'

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

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

1. Panel Antennas – Twelve (12) Model JAHH-65B-R3B

2. Remote Radio Heads (RRH)  
   Six (6) RFV01U-D2A  
   Six (6) RFV01U-D1A

3. GPS Antenna: Attached to the equipment canopy

4. Transmission Lines:

a. Two (2) Model: HS 85016661 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: WOLCOTT SOUTH – CHESTNUT HILL ROAD, WOLCOTT, 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. Wetland impacts will be necessary for the installation of utilities and construction of the gravel access driveway from Chestnut Hill Road. 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 to the east of the facility compound. (See also Attachment 11).

#### B. AIR QUALITY

Under ordinary operating conditions, Cellco's equipment at the Wolcott 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 grading will be required to construct the access driveway and 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 calculation of power density for Cellco's 700 MHz, 850 MHz, 1900 MHz and 2100 MHz antennas at the Wolcott South Facility would be 49.47% of the FCC Safety Standard. (See Attachment 14).

F. VISIBILITY

See Visibility Report included as Attachment 9.



CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS  
20 ALEXANDER DRIVE, 2nd FLOOR  
WALLINGFORD, CT 06492

SITE NAME:  
**WOLCOTT\_SOUTH\_CT**

LOCATION CODE:  
**469936**

SITE ADDRESS:  
**CHESTNUT HILL ROAD  
WOLCOTT, CT 06716**



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PREPARED BY:

**nexius**

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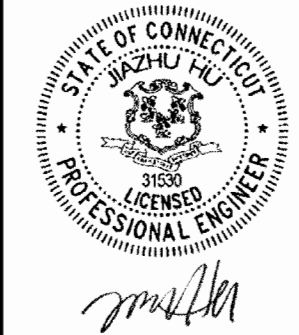
APPLICANT:

CELLCO PARTNERSHIP d/b/a

**verizon**

20 ALEXANDER DRIVE, 2<sup>ND</sup> FLOOR  
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



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DRAWING SCALES ARE INTENDED FOR 24"x36" SIZE PRINTED MEDIA ONLY. ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

**SITE INFORMATION**

SITE NAME: WOLCOTT\_SOUTH\_CT  
LOCATION CODE: 469936  
SITE ADDRESS: CHESTNUT HILL ROAD  
WOLCOTT, CT 06716  
COUNTY: NEW HAVEN COUNTY  
LATITUDE: 41° 35' 24.03" N (NAD83)  
LONGITUDE: 73° 00' 31.02" W (NAD83)  
GROUND LEVEL: 786' A.M.S.L. (NAVD83)  
PROPERTY OWNER: PAL PROPERTIES, LLC  
1141 WOLCOTT HILL ROAD  
WOLCOTT, CT 06716  
STRUCTURE TYPE: 120'-0"± MONOPOLE  
HIGHEST APPURTENANCE: 125'-0"± LIGHTNING ROD

**GENERAL NOTES AND APPLICABLE CODES**

- THIS IS AN UNSTAFFED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION.
  - HANDICAPPED ACCESS IS NOT REQUIRED.
  - POTABLE WATER OR SANITARY SERVICE IS NOT REQUIRED.
  - NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES REQUIRED.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO NOTIFY THE ARCHITECT/ENGINEER PLACES THE RESPONSIBILITY ON THE CONTRACTOR TO CORRECT THE DISCREPANCIES AT THE CONTRACTOR'S EXPENSE.
- DEVELOPMENT AND USE OF THE SITE WILL CONFORM TO ALL APPLICABLE CODES, ORDINANCES AND SPECIFICATIONS.
  - BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE (IBC 2015)
  - ELECTRICAL CODE: NATIONAL ELECTRIC CODE 2017

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS::

  - AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
  - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION.
  - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)
    - TIA 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA SUPPORTING STRUCTURES AND ANTENNAS WITH ADDENDUM.
    - TIA 607, GENERIC TELECOMMUNICATIONS BONDING AND GROUNDING (EARTHING) FOR CUSTOMER PREMISES.
  - INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
    - IEEE 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUNDING SYSTEM.
    - IEEE 1100 (2005) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT.
    - IEEE C62.41.1, RECOMMENDED PRACTICES ON CHARACTERIZATION OF SURGES IN LOW VOLTAGE (1000V OR LESS) AC POWER CIRCUITS.
  - TELCORDIA, GR-1275, GENERAL INSTALLATION REQUIREMENTS.
  - TELCORDIA, GR-1503, COAXIAL CONNECTORS.
  - ANSI T1.311, TELECOMMUNICATIONS - DC POWER SYSTEMS - TELECOMMUNICATIONS ENVIRONMENT PROTECTION.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

**SHEET INDEX**

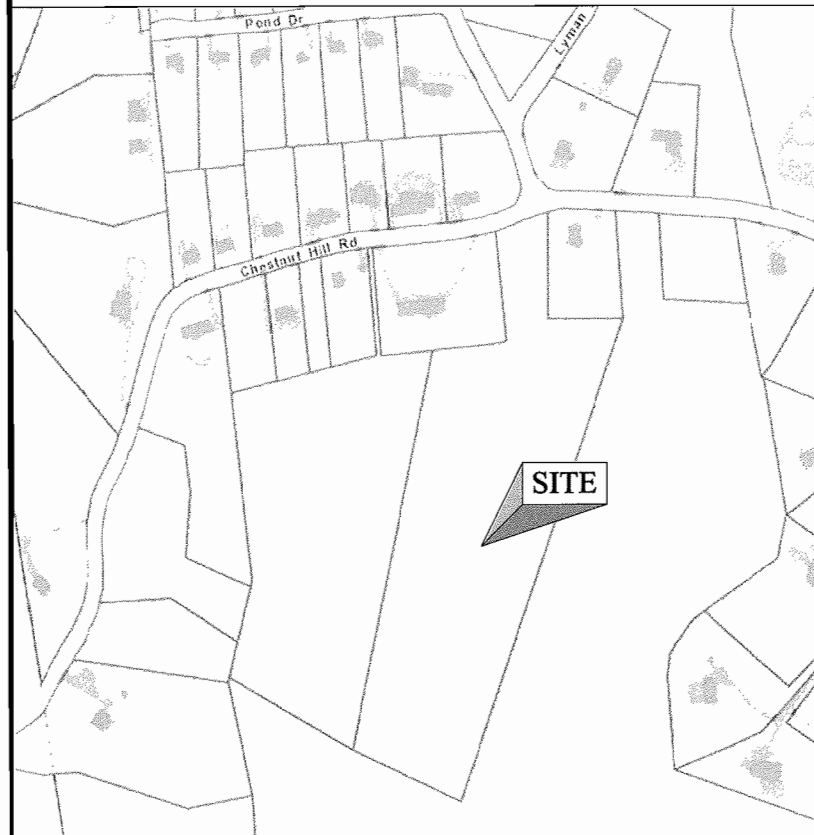
SHEET NUMBER	SHEET DESCRIPTION
T-1	TITLE SHEET
C-1	ABUTTERS PLAN
C-2	EXISTING CONDITIONS
Z-1	COMPOUND ELEVATION, ENLARGED SITE PLAN & SEDIMENTATION NOTES
OS-1	OVERALL SITE PLAN
SP-1	PARTIAL SITE PLAN
SP-2	SITE DETAILS
SP-3	SITE DETAILS

**APPROVALS**

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

LEASING/SITE ACQUISITION: \_\_\_\_\_ DATE: \_\_\_\_\_  
LANDLORD: \_\_\_\_\_ DATE: \_\_\_\_\_  
VERIZON WIRELESS CM: \_\_\_\_\_ DATE: \_\_\_\_\_  
VERIZON WIRELESS RF: \_\_\_\_\_ DATE: \_\_\_\_\_

**VICINITY MAP**



**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
0	04/28/20	FOR REVIEW	MLB
1	05/06/20	FOR CSC	MLB

SITE INFO:

SITE NAME:  
**WOLCOTT\_SOUTH\_CT**  
LOCATION CODE:  
**469936**  
SITE ADDRESS:  
**CHESTNUT HILL ROAD  
WOLCOTT, CT 06716  
NEW HAVEN COUNTY**

SHEET TITLE:

**TITLE SHEET**

NEXIUS PROJ. NO:  
**VZ11509**

CHECKED BY:  
KB/JM/JH

CHECKED BY DATE:  
05/06/20

SHEET NUMBER:

**T-1**



**LEGEND:**

N/F	NOW OR FORMERLY
25-4520652	ASSESSOR'S ID
▲	CALCULATED POINT
○	IRON PIPE/ROD FOUND
□	BOUND FOUND
⊗	MANHOLE
⊕	CATCH BASIN
⊚	UTILITY POLE
○	LIGHT POLE
◇	TREE / BUSH
—	LOCUS PROPERTY LINE
- - -	ABUTTERS PROPERTY LINE (±)
— OHW —	OVERHEAD WIRES
~~~~~	TREELINE
- - - - -	CONTOUR LINE
⊘	STONE WALL

**SITE SPECIFIC NOTES:**

- FIELD SURVEY DATE: 12-31-2019
- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
- VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- OWNER: PAL PROPERTIES LLC, 1141 WOLCOTT HILL ROAD, WOLCOTT, CT 06716
- SITE NAME: WOLCOTT SOUTH CT
- SITE ADDRESS: CHESTNUT HILL ROAD, WOLCOTT, CT 06716
- APPLICANT: CELCO PARTNERSHIP d/b/a VERIZON WIRELESS, 20 ALEXANDER DR., 2ND FLOOR, WALLINGFORD, CT 06492
- JURISDICTION: TOWN OF WOLCOTT, NEW HAVEN COUNTY
- TAX ID: 104-1-5B
- DEED REFERENCE: BOOK 465 PAGE 301
- PLAN REFERENCE: N/A
- ZONING DISTRICT: R-40 & I
- THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM AN RTK GPS SURVEY.
- ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN AN AREA DESIGNATED AS ZONE X, "AREA OF MINIMAL FLOOD HAZARD". COMMUNITY PANEL NO. 09009 C 0109 H EFFECTIVE DATE: 12-17-2010
- FIELD SURVEY BY EDM TOTAL STATION & RTK GPS.
- THIS IS NOT A BOUNDARY SURVEY.**
- ALL PROPERTY LINES SHOWN ARE FROM DEEDS AND PLANS OF RECORD AND THE TOWN OF WOLCOTT GIS AND ARE APPROXIMATE ONLY.
- WETLANDS SHOWN HEREON WERE DELINEATED BY ALL-POINTS TECHNOLOGY CORPORATION.

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1997.

TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY  
 BOUNDARY SURVEY CATEGORY: DEPENDENT RESURVEY

CLASS OF ACCURACY: HORIZONTAL CLASS: A-2  
 TOPOGRAPHIC CLASS: T-2  
 VERTICAL CLASS: V-2

PURPOSE OF SURVEY: PROPOSED CELLULAR EQUIPMENT

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TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

*Charles G. Gidman*  
 CHARLES G. GIDMAN, P.L.S. #70103

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APPLICANT:  
 CELCO PARTNERSHIP d/b/a  
**verizon**  
 20 ALEXANDER DRIVE, 2<sup>ND</sup> FLOOR  
 WALLINGFORD, CT 06492



SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	01/09/2020	SUBMITTED FOR REVIEW	BCF

SITE INFO:

SITE NAME:  
**WOLCOTT SOUTH CT**  
 LOCATION CODE:

SITE ADDRESS:  
 CHESTNUT HILL ROAD  
 WOLCOTT, CT 06716

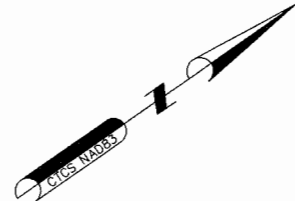
SHEET TITLE:  
**ABUTTERS PLAN**

NEXIUS PROJ. NO: SHEET NUMBER:  
 CHECKED BY:  
 CHECKED BY DATE: 01/23/2020  
**C-1**



**LEGEND:**

- N/F NOW OR FORMERLY
- 25-4520652 ASSESSOR'S ID
- ▲ CALCULATED POINT
- IRON PIPE/ROD FOUND
- BOUND FOUND
- ⊙ MANHOLE
- ⊞ CATCH BASIN
- ⊕ UTILITY POLE
- ⊗ LIGHT POLE
- ⊙ TREE / BUSH
- LOCUS PROPERTY LINE
- ABUTTERS PROPERTY LINE (±)
- OHW OVERHEAD WIRES
- TREELINE
- CONTOUR LINE
- STONE WALL



104-1-5A  
CHESTNUT HILL ROAD  
N/F  
MICHAEL R. VAN GEONS  
67 OAKVILLE AVENUE  
WATERBURY, CT 06708-1601

104-1-5C  
90 CHESTNUT HILL ROAD  
N/F  
BEVERLY A. & PAUL R.  
DEVINO  
90 CHESTNUT HILL ROAD  
WOLCOTT, CT 06716

LOCUS  
104-1-5B  
CHESTNUT HILL ROAD  
N/F  
PAL PROPERTIES LLC  
1141 WOLCOTT HILL ROAD  
WOLCOTT, CT 06716

104-1-7  
6 GRILLEY ROAD  
N/F  
ALMA HOCK SMITH (LU)  
TIMOTHY C. SMITH (RM)  
6 GRILLEY ROAD  
WOLCOTT, CT 06716

104-1-5H  
GRILLEY ROAD  
N/F  
EXECUTIVE HILL LLC  
67 OAKVILLE AVENUE  
WOLCOTT, CT 06716

PROPOSED CENTER  
OF TOWER  
LAT: 41°35'24.03"  
LON: 73°00'31.02"  
N: 775811.59  
E: 929255.11  
GROUND EL: 786'±

-CONTROL POINT A-  
IRON ROD SET  
N: 775830.12  
E: 929130.05

-CONTROL POINT B-  
IRON ROD SET  
N: 775678.57  
E: 929185.09

TBM  
EL=777.38'  
SPIKE IN ROOT  
OF 6" BLACK BIRCH

PREPARED BY:

**NEXIUS**

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CHELMSFORD, MA 01824  
1 (978) 923-7965

APPLICANT:

CELLCO PARTNERSHIP d/b/a

**verizon**

20 ALEXANDER DRIVE, 2<sup>ND</sup> FLOOR  
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
1	01/23/2020	SUBMITTED FOR REVIEW	BCF

SITE INFO:

SITE NAME:  
**WOLCOTT SOUTH CT**  
LOCATION CODE:

SITE ADDRESS:  
CHESTNUT HILL ROAD  
WOLCOTT, CT 06716

SHEET TITLE:

**EXISTING CONDITIONS**

NEXIUS PROJ. NO:

SHEET NUMBER:

CHECKED BY:  
BCF

CHECKED BY DATE:  
01/23/2020

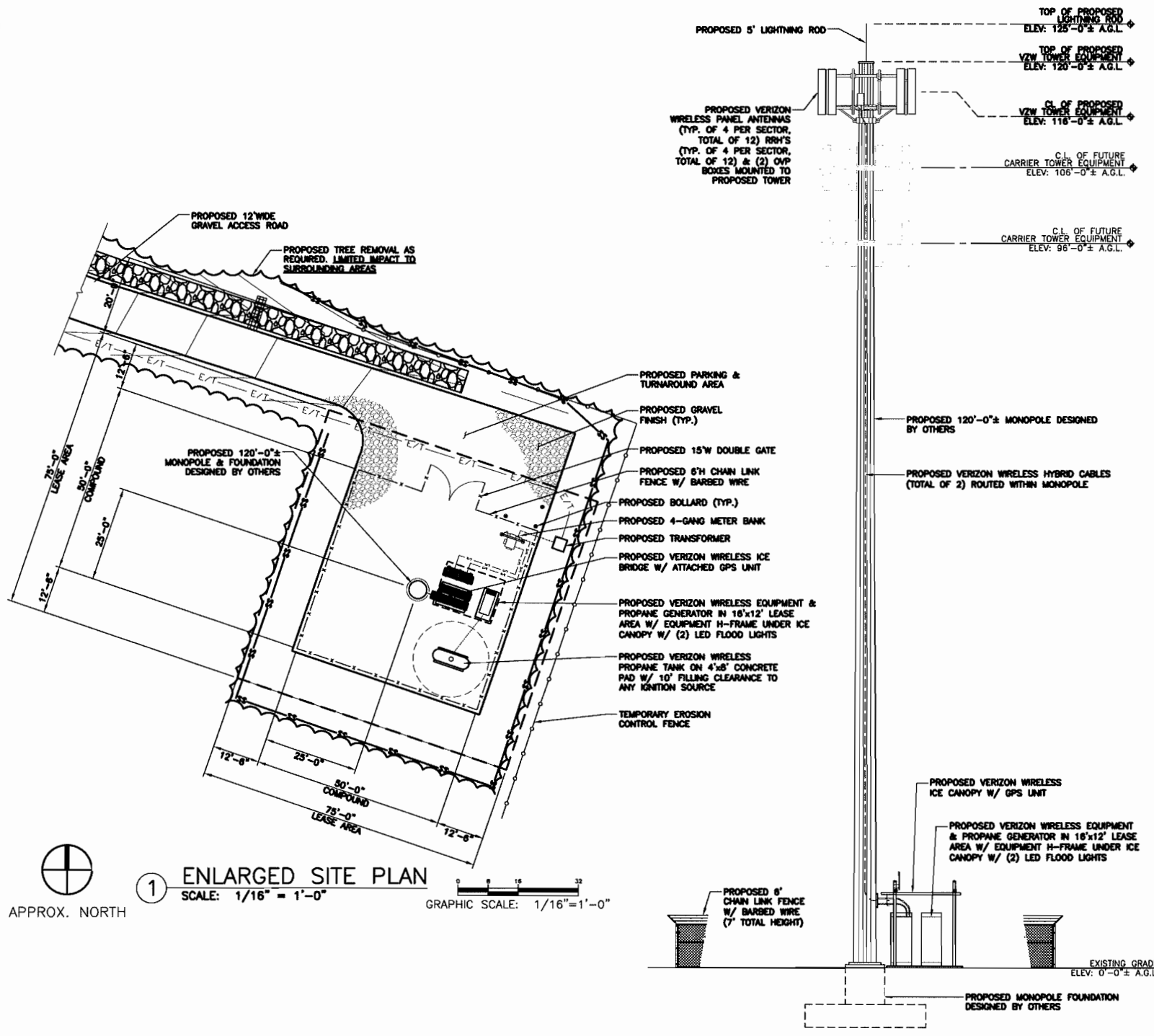
**C-2**



- PROPOSED MONOPOLE:**
1. THE MONOPOLE SHALL BE CONSTRUCTED WITH GALVANIZED STEEL.
  2. NO FAA OBSTRUCTION LIGHTING IS REQUIRED UNLESS IT IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION.
  3. ALL REFERENCES TO THE TOWER AND ITS FOUNDATION ARE TO BE DIRECTED TO THE DESIGN DETAIL DRAWINGS BY THE TOWER SUPPLIER.
  4. PROPOSED WIRELESS ANTENNAS SHALL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC RF ANTENNA DESIGN SHEET SUPPLIED BY THE WIRELESS RF SYSTEMS DESIGN ENGINEER AND IN ACCORDANCE WITH SITTING COUNCIL APPROVAL.

**EROSION & SEDIMENTATION CONTROL NOTES**

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
3. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
4. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
5. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs DESCRIBED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
6. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
7. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
8. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
9. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 P.A. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
10. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
12. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
13. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
14. A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
15. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
16. ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
17. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES -- 6 TO 12 INCHES ON COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
18. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
19. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
20. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
21. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
22. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
23. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
24. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDING AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
25. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
26. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION, CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
27. E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
28. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
29. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
31. CONSTRUCTION ACTIVITY WILL BE CONDUCTED IN ACCORDANCE WITH THE BASIC STABILIZATION STANDARDS OF MAINE'S EROSION & SEDIMENTATION CONTROL LAW, 38 M.R.S.A. SECTION 420-C.
32. THE CONSTRUCTION OF THIS FACILITY WILL HAVE NO EFFECT ON STORMWATER RUNOFF.

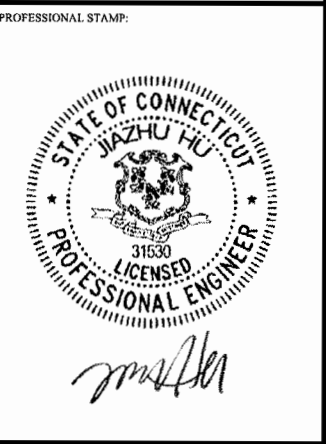


**ENLARGED SITE PLAN**  
SCALE: 1/16" = 1'-0"  
GRAPHIC SCALE: 1/16" = 1'-0"

**TOWER ELEVATION**  
SCALE: 1/8" = 1'-0"  
GRAPHIC SCALE: 1/8" = 1'-0"

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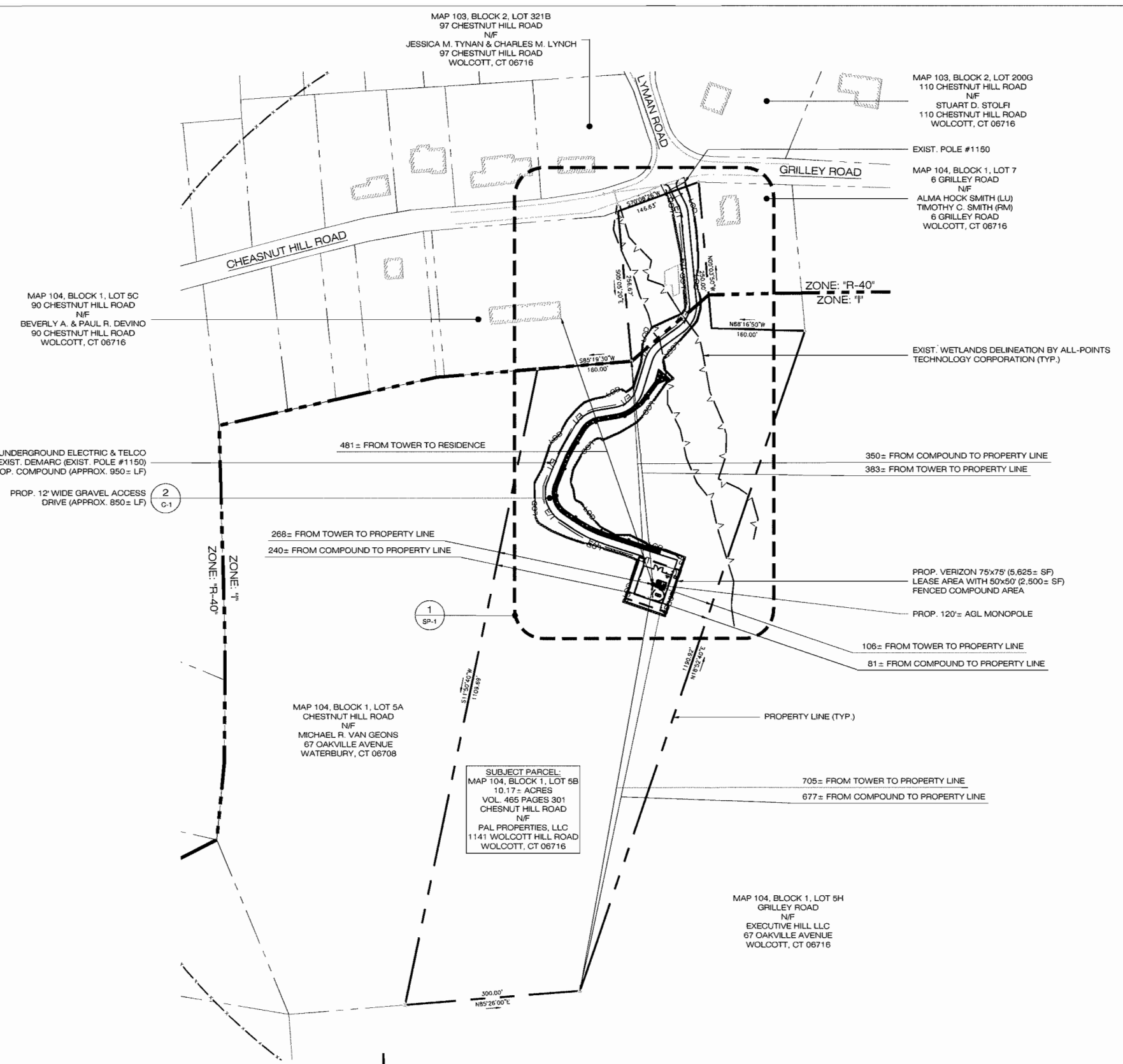
SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	04/28/20	FOR REVIEW	MLB
1	05/06/20	FOR CSC	MLB

SITE INFO:  
SITE NAME:  
**WOLCOTT\_SOUTH\_CT**  
LOCATION CODE:  
**469936**  
SITE ADDRESS:  
**CHESTNUT HILL ROAD  
WOLCOTT, CT 06716  
NEW HAVEN COUNTY**

SHEET TITLE:  
**COMPOUND ELEVATION,  
ENLARGED SITE PLAN &  
SEDIMENTATION NOTES**

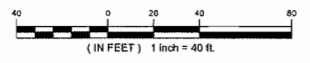
NEXIUS PROJ. NO:  
**V211509**  
CHECKED BY:  
KB/JM/JH  
CHECKED BY DATE:  
05/06/20  
SHEET NUMBER:  
**Z-1**



BASE MAPPING FOR SHEETS R-1 & SP-1 FROM:

- "ABUTTERS PLAN" & "EXISTING CONDITIONS" OF WOLCOTT SOUTH CT, CHESTNUT HILL ROAD, WOLCOTT CT, 06716, PREPARED FOR NEXIUS, PREPARED BY NORTHEAST SURVEY CONSULTANTS, 116 PLEASANT STREET, SUITE 302, EASTHAMPTON, MA 01027, OFFICE: (413) 203-5144
- CONTOUR DATA FROM (CT ECO - CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION & UCONN CENTER FOR LAND USE EDUCATION AND RESEARCH) 2016 USGS QUALITY LEVEL 2 LIDAR.

**1 OVERALL SITE PLAN**  
OS-1 SCALE: 1" = 100'-0"



**SITE AREAS & VOLUMES OF EARTHWORK**

SITework ENTAILS APPROXIMATELY 3,000 CY OF EXCESS MATERIAL. THE COMPOUND AND ROADWAY WILL IMPORT APPROXIMATELY 415 CUBIC YARDS OF CLEAN BROKEN STONE. THE UTILITY TRENCH FROM THE DEMARC TO THE COMPOUND WILL EXCAVATE APPROXIMATELY 495 CUBIC YARDS OF MATERIAL THAT WILL BE USED TO BACKFILL THE TRENCH.

COMPOUND AREA SLOPES:  
EXISTING - 0%-2%  
PROPOSED - 1.0%

TOTAL AREA OF DISTURBANCE = 48,400± SF

STORMWATER VELOCITY:  
PRIOR TO GROUND COVER < 3.0 FT/SEC  
FOLLOWING GROUND COVER < 3.0 FT/SEC

STORMWATER VOLUME:  
PROPOSED IMPERVIOUS AREA = 13,980 SF  
WATER QUALITY STD VOLUME (1") = 1,165 CF  
STORAGE VOLUME (6" DEPTH, 40% VOIDS) = 541 CF

GROUND COVER TO BE ESTABLISHED AS FOLLOWS (J.O.N.):  
- WHITE CLOVER @ 0.20#/- SF  
- TALL FESCUE @ 0.45#/- SF  
- RYEGRASS @ 0.10#/- SF

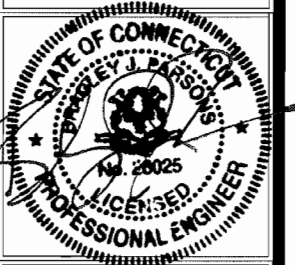
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WATERFORD, CT 06385 PH: (860)-663-1637  
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**PERMITTING DOCUMENTS**

NO	DATE	REVISION
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1	05/06/20	FOR CSC: BJP
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**DESIGN PROFESSIONALS OF RECORD**  
PROF: SCOTT M. CHASSE P.E.  
COMP: APT ENGINEERING  
ADD: 567 VAUXHALL STREET  
EXTENSION - SUITE 311  
WATERFORD, CT 06385



**VERIZON AT WOLCOTT SOUTH CT**

SITE: CHESTNUT HILL ROAD  
ADDRESS: WOLCOTT, CT 06716  
APT FILING NUMBER: NY141NB7300  
DRAWN BY: CSH  
DATE: 04/28/20 CHECKED BY: BJP

SHEET TITLE:  
**OVERALL SITE PLAN**

SHEET NUMBER:  
**OS-1**

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EXTENSION - SUITE 311  
WATERFORD, CT 06395



VERIZON AT  
WOLCOTT SOUTH CT

SITE: CHESNUT HILL ROAD  
ADDRESS: WOLCOTT, CT 06716

APT FILING NUMBER: NY141NB7300

DRAWN BY: CSH

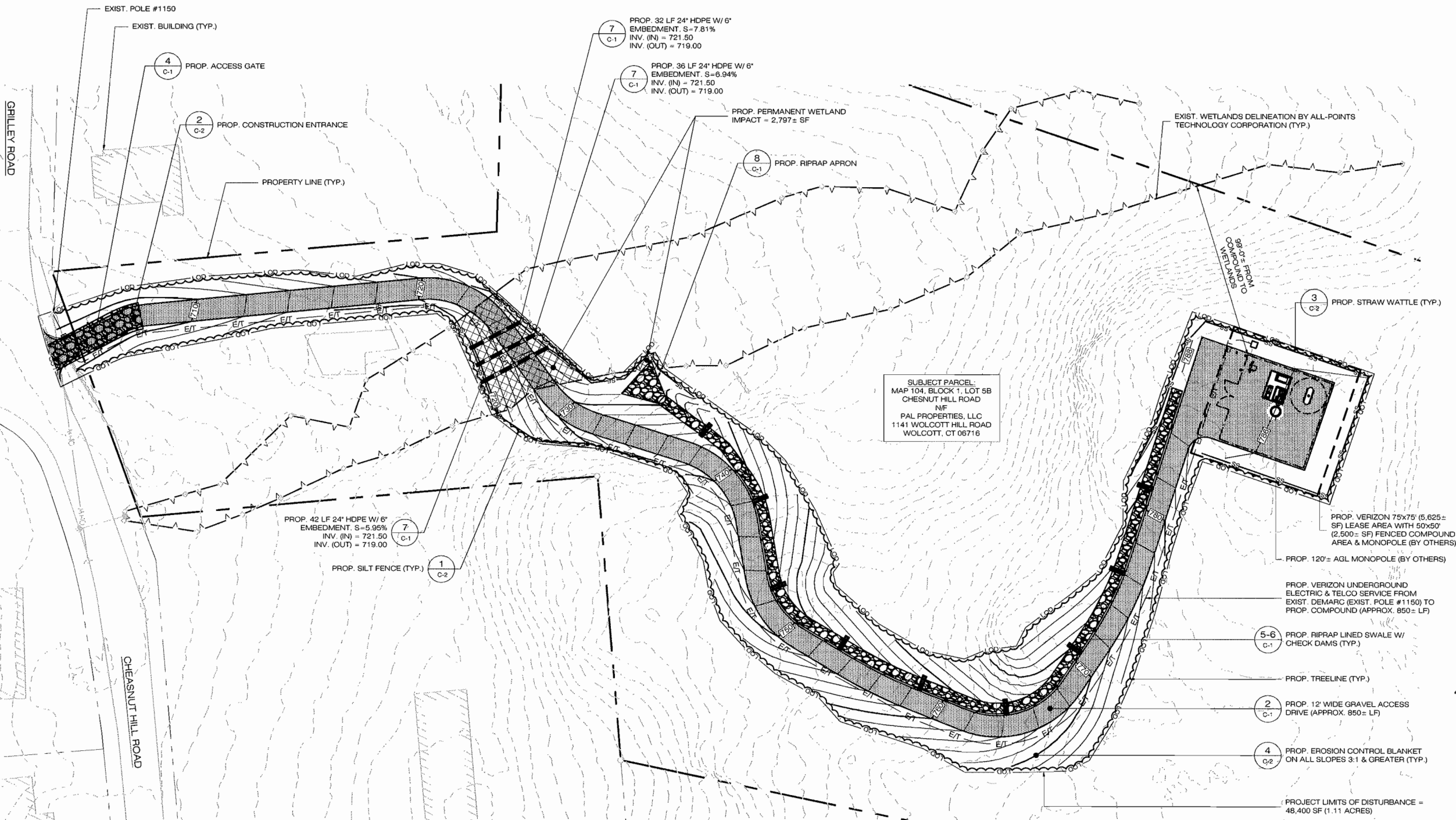
DATE: 04/28/20 CHECKED BY: BJP

SHEET TITLE:

**PARTIAL SITE PLAN**

SHEET NUMBER:

**SP-1**



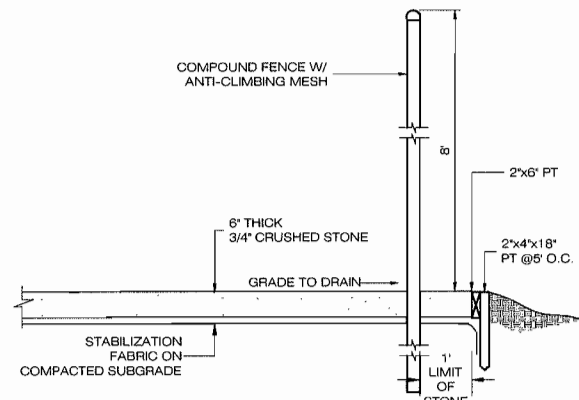
SUBJECT PARCEL:  
MAP 104, BLOCK 1, LOT 5B  
CHESNUT HILL ROAD  
NF  
PAL PROPERTIES, LLC  
1141 WOLCOTT HILL ROAD  
WOLCOTT, CT 06716

**1 PARTIAL SITE PLAN**  
SCALE: 1" = 30'-0"  
(IN FEET) 1 inch = 30 ft.

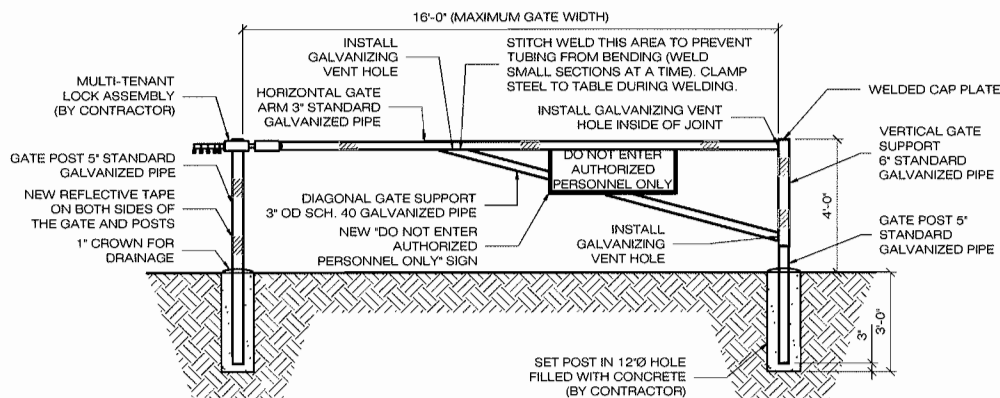
BASE MAPPING FOR SHEETS R-1 & SP-1 FROM:

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- CONTOUR DATA FROM (CT ECO - CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION & UCONN CENTER FOR LAND USE EDUCATION AND RESEARCH) 2016 USGS QUALITY LEVEL 2 LIDAR.



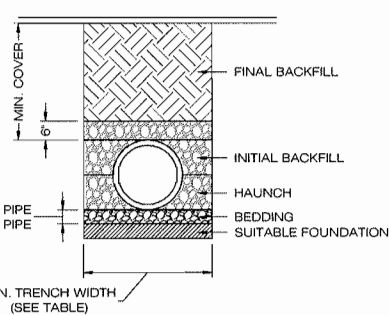


**1 COMPOUND DETAIL**  
C-1 SCALE: N.T.S.



- NOTES:
- PANELS TO BE 4"x8" GALVANIZED TUBULAR STEEL 2" OD x 16 GAUGE HIGH TENSILE WELDED STEEL. HEAVY DUTY MOUNT HARDWARE TO BE WELDED TO THE SUPPORT POSTS.
  - 4" OD x 8' LONG SCH. 40 STEEL INSTALLED 36" BELOW EXISTING GRADE CONCRETE TO 1" ABOVE EXISTING GRADE AT POST BASE AND TAPER. FILL POST COMPLETELY WITH CONCRETE CAP.
  - CONTRACTOR TO INSTALL SIGNAGE TO THE NEWLY INSTALLED ACCESS GATE. SIGNAGE TO BE INSTALLED USING GALVANIZED METAL SCREWS IN 4 PLACES. NO PLASTIC WIRE TIES SHALL BE USED.
  - STYME SECURITY LOCK: STANDARD GALVANIZED 2" LOCK SYSTEM WELDED TO GATE CROSS SUPPORTS 4-2" SLEEVES WITH SLOTTED HASPS.

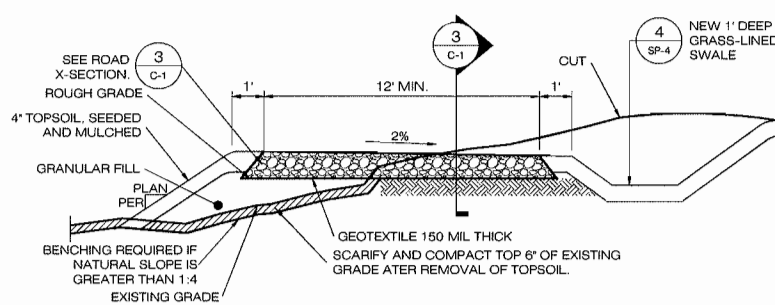
**4 ENTRANCE GATE DETAIL**  
C-1 SCALE: N.T.S.



PIPE DIA.	MIN. TRENCH WIDTH
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
48"	80"
60"	96"

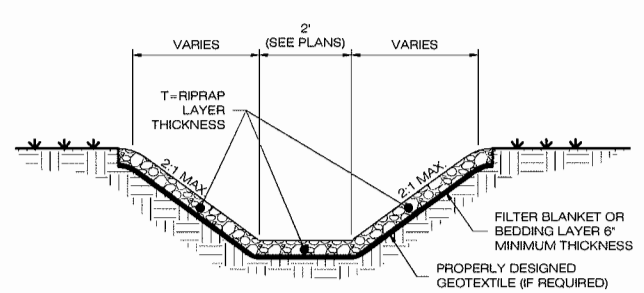
- NOTES:
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
  - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
  - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
  - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
  - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
  - MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

**7 HDPE STORM DRAINAGE TRENCH DETAIL**  
C-1 SCALE: N.T.S.



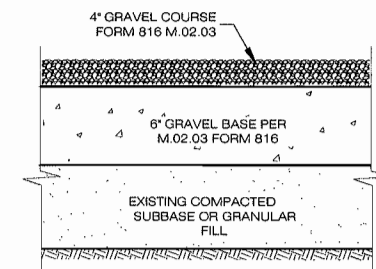
- \* CROSS SLOPE GRADE SHALL BE 1-2% AS SHOWN ON PROPOSED GRADING
- \* WHERE CUT OR FILL EMBANKMENTS ARE STEEPER THAN 3:1 USE A STAPLED IN PLACE, BIODEGRADABLE EROSION CONTROL BLANKET OR A BONDED FIBER MATRIX HYDROSEED APPLICATION.

**2 TYPICAL ROAD CROSS SECTION**  
C-1 SCALE: N.T.S.

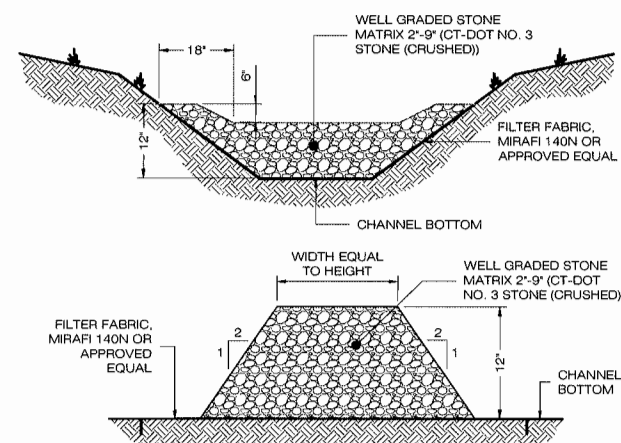


- NOTES:
- T=1.5 TIMES THE MAXIMUM STONE SIZE BUT NOT LESS THAN 12 INCHES.
  - THE TOTAL HEIGHT OF THE LINING IS DEPENDENT UPON THE DESIGN DEPTH OF FLOW PLUS RUNUP DUE TO CHANNEL CURVATURE. PLUS FREEBOARD IN CHANNELS WITH SIGNIFICANT BOTTOM WIDTHS LOW FLOW CHANNELS MAY BE INCORPORATED.
  - SIDE SLOPES STEEPER THAN 2:1 OR SLOPES WITH UNSUITABLE MATERIAL WILL REQUIRE ADDITIONAL ANALYSIS.
  - STONE CHECK DAMS SHALL BE INSTALLED IN ALL SWALES.

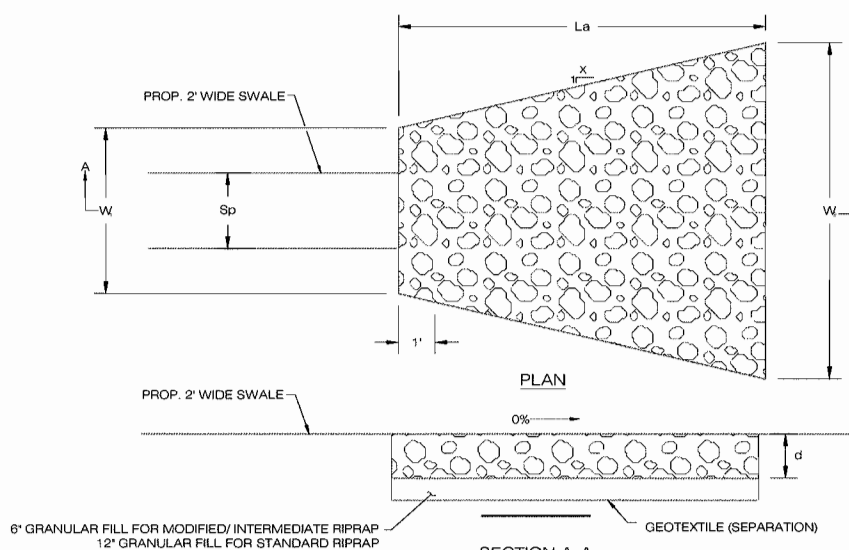
**5 RIPRAP LINED SWALE**  
C-1 SCALE: N.T.S.



**3 GRAVEL ROAD SECTION**  
C-1 SCALE: N.T.S.



**6 STONE CHECK DAM**  
C-1 SCALE: N.T.S.



LEGEND

Sp= INSIDE PIPE DIAMETER  
La= LENGTH OF RIPRAP APRON  
d= 12" MODIFIED RIPRAP  
18" INTERMEDIATE RIPRAP  
36" STANDARD RIPRAP

TYPE	X	W <sub>1</sub>	W <sub>2</sub>
TYPE A RIPRAP APRON	3	3Sp	3Sp + 0.7 La
TYPE B RIPRAP APRON	5	3Sp	3Sp + 0.4 La

OUTLET (ft)	SWALE WIDTH Sp (FT)	APRON LENGTH La (FT)	APRON INITIAL WIDTH W1 (FT)	APRON TERMINAL WIDTH W2 (FT)	RIPRAP SPECIFICATION
O-1	2	19	6	25	MODIFIED

**8 RIPRAP APRON**  
C-1 SCALE: N.T.S.

Cellco Partnership d/b/a  
**verizon**  
20 ALEXANDER DRIVE  
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**ALL-POINTS TECHNOLOGY CORPORATION**  
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DESIGN PROFESSIONALS OF RECORD

PROF: SCOTT M. CHASSE P.E.  
COMP: APT ENGINEERING  
ADD: 567 VAUXHALL STREET  
EXTENSION - SUITE 311  
WATERFORD, CT 06385

VERIZON AT  
WOLCOTT\_SOUTH\_CT

SITE: CHESNUT HILL ROAD  
ADDRESS: WOLCOTT, CT 06716

APT FILING NUMBER: NY141NB7300

DRAWN BY: CSH  
CHECKED BY: BJP

DATE: 04/28/20

STATE OF CONNECTICUT  
PROFESSIONAL ENGINEER  
SCOTT M. CHASSE  
No. 28025

SHEET TITLE:  
**SITE DETAILS**

SHEET NUMBER:  
**SP-2**



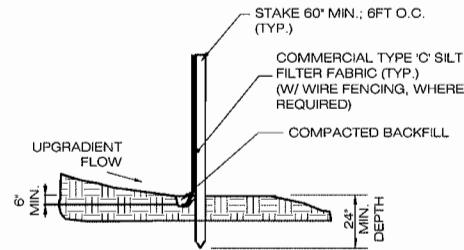
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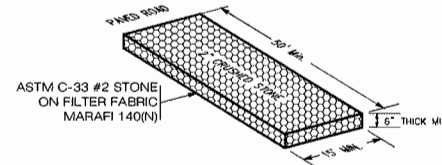
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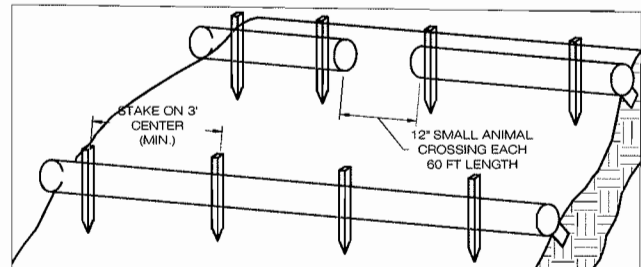
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**1**  
**GEOTEXTILE SILT FENCE DETAIL**  
C-2 SCALE: N.T.S.



**2**  
**(CE) CONSTRUCTION ENTRANCE DETAIL**  
C-2 SCALE: N.T.S.



- BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
- PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPHILL SIDE. SOCKS SHALL BE INSTALLED IN 60 FT CONTINUOUS LENGTHS WITH ADJACENT SOCKS TIGHTLY ABUT. EVERY 60 FT THE SOCK ROW SHALL BE SPACED 12 INCHES CLEAR, END TO END, FOR AMPHIBIAN AND REPTILE TRAVEL. THE OPEN SPACES SHALL BE STAGGERED MID LENGTH OF THE NEXT DOWN GRADIENT SOCK.
- SECURE THE SOCK WITH 18-24" (45.7-61 CM) STAKES EVERY 3'-4" (0.9 -1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2'-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

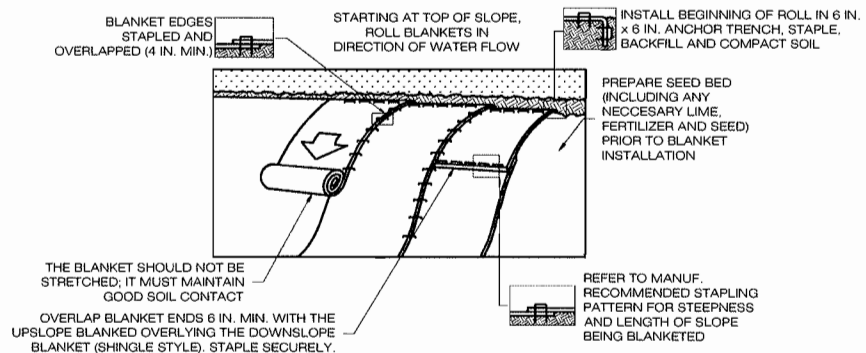
**3**  
**COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER**  
C-2 SCALE: N.T.S.

SEQUENCE OF CONSTRUCTION

- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12" PORTION OF RECPs BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECPs.
- ROLL THE RECPs DOWN HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
- THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2' - 5' OVERLAP DEPENDING ON THE RECPs TYPE.
- CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3' OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECPs WIDTH.

NOTES:

- PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
- BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
- THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.



**4**  
**EROSION CONTROL BLANKET STEEP SLOPES**  
C-2 SCALE: N.T.S.

DESIGN PROFESSIONALS OF RECORD

PROF: SCOTT M. CHASSE P.E.  
COMP: APT ENGINEERING  
ADD: 567 VAUXHALL STREET  
EXTENSION - SUITE 311  
WATERFORD, CT 06385



VERIZON AT  
WOLCOTT\_SOUTH\_CT

SITE: CHESNUT HILL ROAD  
ADDRESS: WOLCOTT, CT 06716

APT FILING NUMBER: NY141NB7300

DRAWN BY: CSH  
DATE: 04/28/20  
CHECKED BY: BJP

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

SP-3