

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
APPLICATION OF CELLCO PARTNERSHIP : DOCKET NO. 494
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 OFF :
CHESTNUT HILL ROAD, WOLCOTT, :
CONNECTICUT : MAY 4, 2022

**RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO CONNECTICUT SITING COUNCIL D&M PLAN INTERROGATORIES**

On April 18, 2022, the Connecticut Siting Council (“Council”) issued D&M Plan Interrogatories to Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to Docket No. 494. Below are Cellco’s responses.

Question No. 1

Referencing Condition No. 2b of the Council’s Decision and Order dated May 24, 2021, would the tower have a yield point (based on a tower height of 120 feet) to ensure that the tower setback radius remains within the boundaries of the subject property? Explain.

Response

In accordance with Condition No. 2.b of the Council’s Decision and Order, the tower was designed with a yield point that ensures the tower setback radius will remain within the boundaries of the subject property. The yield point was part of the tower design for a tower of 140’; which assumes a future extension of the tower for additional carriers that may occur in the future. (See *Docket No. 494 Hearing Transcript p. 78*). The structure without the extension has a stress that is much lower than a theoretical failure making the yield point fall zone only

applicable to a 140' structure. According to the tower designer, this is how Valmont typically designs fall zones on poles with possible future extensions. The theoretical failure point only occurs on the structure's maximum height.

Question No. 2

Intervenor New Cingular Wireless PCS, LLC (AT&T) planned to co-locate on this facility at approximately the 105-foot level of the tower. If AT&T is part of the D&M Plan, please provide revised drawings, as applicable, that depict AT&T's tower co-location, ground equipment, and backup generator specifications.

Response

Attached please find a revised set of D&M Plan drawings showing the proposed AT&T antennas on the tower and equipment within the facility compound.

Question No. 3

Referencing Sheet OS-1 of the D&M Plan, the length of the new gravel access will be approximately 850 linear feet. Sheet E-2 notes, "proposed 950' long gravel access road." Please correct, as necessary, the access road length.

Response

See revised D&M Plans correcting the road length reference to read 850' +/-.

Question No. 4

Would the tower have a galvanized gray finish? Explain.

Response

Yes, the tower is proposed to maintain a galvanized finish and will "weather" to a dull gray color.

Question No. 5

Referencing Condition No. 2d of the Council's Decision and Order dated May 24, 2021, provide the plans to screen and/or minimize tree removal between the access drive and existing well/building foundation to the east.

Response

See revised D&M Plans, plan sheet SP-1 showing proposed landscaping improvements along the northerly portion of the site access drive. The proposal calls for the installation of approximately 40 evergreen trees (Norway spruce for deer resistance), in a double offset row, 6-foot tall trees to provide the screening described in the Council's decision.

Question No. 6

Referencing Condition No. 2g of the Council's Decision and Order dated May 24, 2021, provide the construction work hours and days of the week.

Response

Construction hours will be from 7 a.m. to 7 p.m., Monday through Saturday.

Question No. 7

Referencing Sheet EC-1 of the D&M Plan, Sediment & Erosion Control Narrative, Note #2, the project will have an approximately 48,400 square foot (or 1.11-acre) disturbance area.

Would the project require a Department of Energy and Environmental Protection (DEEP) Stormwater Permit?

Response

Yes. Because the project will require ground disturbance of just over one-acre, the project will need to register under the State's Stormwater General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activity.

CERTIFICATE OF SERVICE

I hereby certify that on the 4th day of May 2022, a copy of the foregoing was sent, via electronic mail, to:

Daniel Patrick, Esq.
Lucia Chiochio, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601
lchiochio@cuddyfeder.com
dpatrick@cuddyfeder.com

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin", written over a horizontal line.

Kenneth C. Baldwin



CELLO PARTNERSHIP 4/24/6 VERIZON WIRELESS
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581

SITE NAME:

WOLCOTT_SOUTH_CT

LOCATION CODE:

469936

SITE ADDRESS:

CHESTNUT HILL ROAD
WOLCOTT, CT 06716



Know what's below.
Call before you dig.

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
WOLCOTT, CT 06716
STRUCTURE TYPE: 120'-0"± MONOPOLE
HIGHEST APPURTENANCE: 125'-0"± LIGHTNING ROD

VICINITY MAP



GENERAL NOTES AND APPLICABLE CODES

- THIS IS AN UNSTAFFED TELECOMMUNICATION FACILITY AND NOT FOR HUMAN HABITATION.
 - HANDICAPPED ACCESS IS NOT REQUIRED.
 - PORTABLE BATTERY OR GENERATOR SERVICE IS NOT REQUIRED.
 - NO OUTDOOR STORAGE OR ANY SOLID WASTE RECEPABLES 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 OR CONDITIONS NOT SHOWN ON THE PLANS. CONTRACTOR SHALL IMMEDIATELY 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 REGULATIONS.
 - BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE (IBC 2015)
 - ELECTRICAL CODE: NATIONAL ELECTRIC CODE 2017
 - CONCRETE CODE: ACI 318
 - 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
 - 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 TELECOMMUNICATIONS EQUIPMENT.
 - IEEE 692.41.1, RECOMMENDED PRACTICES ON CHARACTERIZATION OF SURGES IN LOW VOLTAGE (1000V OR LESS) AC POWER CIRCUITS.
 - TELCORDIA, GR-1275, GENERAL INSTALLATION REQUIREMENTS.
 - IEEE 1503, GENERAL PRACTICES FOR THE DESIGN AND INSTALLATION OF TELECOMMUNICATIONS ENVIRONMENT PROTECTION.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING THE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL A GENERAL.

SHEET INDEX

SHEET NUMBER	SHEET DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES
C-1	AGUTERS PLAN
C-2	EXISTING CONDITIONS PLAN
C-3	TREE SURVEY
OS-1	OVERALL SITE PLAN
A-1	COMPOUND PLAN
A-2	TOWER ELEVATION, DETAILS & NOTES
A-3	EQUIPMENT PAD DETAILS
A-4	SITE DETAILS
A-5	CANOPY DETAILS
SP-1	PARTIAL SITE PLAN
SP-2	SITE DETAILS
SP-3	SITE DETAILS
SP-4	ACCESS DRIVEWAY PROFILE
EC-1	EROSION CONTROL NOTES
N-1	ENVIRONMENTAL NOTES
E-1	ELECTRICAL NOTES & DETAILS
E-2	POWER RISER DIAGRAM
E-3	GROUNDING DETAILS & NOTES
E-4	GROUNDING PLAN, DETAILS & NOTES

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: _____

VZW CM: _____ DATE: _____

VZW RF: _____ DATE: _____

PREPARED BY:
NEXIUS
AME OFFICE
300 APOCALYPSE DRIVE, 2ND FLOOR
CHELSEA, MA 01824

APPLICANT:
verizon
CELLO PARTNERSHIP 4/24/6
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581

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REV	DATE	DESCRIPTION	BY
0	01/18/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/25/22	REVISED PER OSC	JM

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	01/18/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/25/22	REVISED PER OSC	JM

SITE NAME: WOLCOTT_SOUTH_CT
LOCATION CODE: 469936
SITE ADDRESS: CHESTNUT HILL ROAD
WOLCOTT, CT 06716
NEW HAVEN COUNTY

SHEET TITLE: T-1
SHEET NUMBER: VZ11509
CHECKED BY: JP
CHECKED BY DATE: 01/19/22

PREPARED BY:

NEXIUS

AME OFFICE
300 ACOLLO DRIVE, 2ND FLOOR
CHELSEA, MA 01864

APPLICANT:



CELLO PARTNERSHIP 4/1/9
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581



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REV	DATE	DESCRIPTION	BY
0	01/19/22	CONSTRUCTION DRAWINGS	JM
1	02/04/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED PER DETAIL	JM
3	04/29/22	REVISED PER CSC	JM

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:

J.P.

CHECKED BY DATE:

01/19/22

GN-1

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A.G.L.	ABOVE GROUND LEVEL
A.M.S.L.	ABOVE MEAN SEA LEVEL
E.O.	EQUAL
GALV.	GALVANIZED
MAX.	MAXIMUM
MIN.	MINIMUM
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
SCH.	SCHEDULE
TYP.	TYPICAL
U/G	UNDERGROUND
U/P	UTILITY POLE
U.N.C.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD

CONSTRUCTION SPECIFICATIONS

DIVISION 1 - GENERAL REQUIREMENTS SECTION 0110 SUMMARY OF WORK:

- THE CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH SPECIFICATIONS CONTAINED IN THE BID PACKAGE PREPARED BY NEXIUS, INC. AND THE CLIENT. THE CONTRACTOR SHALL CONTACT NEXIUS, INC. TO ENSURE THAT THEY HAVE THE LATEST SET OF CONSTRUCTION DRAWINGS PRIOR TO COMMENCING ANY WORK WHATSOEVER. IN THE EVENT OF A CONFLICT BETWEEN THE BID PACKAGE SPECIFICATIONS AND THE PROVISIONS OF THE CLIENT'S SPECIFICATIONS SHALL TAKE PRECEDENCE.
- THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED WORK AND FULLY ACQUANT THEMSELVES WITH THE CONDITIONS AS THEY EXIST IN ORDER THAT ANY RESTRICTIONS PERTAINING TO THE WORK ARE UNDERSTOOD. ALL AREA AND DIMENSIONS ARE INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, BUT ALL CONDITIONS SHALL BE VERIFIED BY EACH CONTRACTOR AND/OR SUBCONTRACTOR AT THE SITE OF THE CONTRACTOR TO EXAMINE OR RECEIVE ANY FORMAL CONTRACTOR REPORT OR TO VISIT THE SITE PRIOR TO BEGINNING THE CONTRACTOR WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON THE SUBMISSION OF A QUOTATION SHALL ACKNOWLEDGE THAT THE CONTRACTOR AND THEIR SUBCONTRACTORS HAVE FULLY EXAMINED THE SITE AND KNOW THE EXISTING CONDITIONS AND HAVE MADE PROVISIONS FOR OPERATING UNDER THE CONDITIONS AS THEY EXIST AT THE SITE AND HAVE INCLUDED ALL NECESSARY ITEMS.
- THE GENERAL CONTRACTOR'S RESPONSIBILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, CONSTRUCTION OF THE EQUIPMENT FOUNDATION, INCLUDING ELECTRICAL SERVICE, CONDUITS, GROUNDING SYSTEM AND COORDINATION WITH LOCAL UTILITY COMPANIES.
- THE ANTENNA INSTALLER'S RESPONSIBILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, CABLE TRAY INSTALLATION, ROUTING OF CABLES FROM RADIO EQUIPMENT TO ANTENNAS, ASSOCIATED HARDWARE FOR SECURING ANTENNA CABLES, ANTENNA MOUNTS, DETERMINING SUPPLIER OF ANTENNAS, GROUNDING OF ANTENNAS TO GROUNDING SYSTEM, INSTALLING ANTENNAS AND VERIFYING WITH RADIO FREQUENCY ENGINEERS, THE ALIGNMENT, LOCATION, AND PROPER ORIENTATION OF ANTENNAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS INCLUDING LANDLORD IN ORDER TO AVOID CONFLICTS WITH CURRENT USE OF THE SITE.
- CONCURRENTLY, WITH THE WORK OF THIS CONTRACT.
- THE GENERAL CONTRACTOR SHALL PERMIT ACCESS TO THE PROJECT TO THESE CONTRACTORS TO PERFORM THEIR WORK.
- THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS AND ORDINANCES THAT APPLY TO THE CONSTRUCTION PERMIT. THE CONTRACTOR SHALL APPLY AND PAY FOR THE CONSTRUCTION PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL INSPECTIONS. CERTIFICATE OF OCCUPANCY AND ALL OTHER REQUIRED PERMITS OR LICENSES. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE BUILDING OCCUPANTS DURING THE DEMOLITION AND CONSTRUCTION PERIODS OF THIS PROJECT. EVERY EFFORT SHALL BE MADE TO MAINTAIN A CLEAN OPERATION. DEBRIS SHALL NOT ACCUMULATE. ALL DEMOLITION AND CONSTRUCTION SHALL BE COMPLETED WITHIN THE TIME FRAME BE EMPLOYED ON A REGULAR SCHEDULE. THE LOCATION OF THE CONTAINER SHALL BE COORDINATED WITH THE BUILDING MANAGER.
- SAFETY PROCEDURES: ATTENTION IS DIRECTED TO FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH STANDARDS. THE CONSTRUCTION COMPANY AWARDING THIS PROJECT SHALL ENSURE ALL WORKING SUBORDINATES AND CONDITIONS ARE SAFETY, AND ARE NOT VIOLATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY OR BUILDING OCCUPANTS. PRECAUTION SHALL BE EXERCISED AT ALL TIMES FOR THE PROTECTION OF PERSONS AND PROPERTY. IT IS MANDATORY THAT THE SAFETY PROVISIONS OF APPLICABLE LOCAL LAWS, OSHA REGULATIONS AND BUILDING AND CONSTRUCTION CODES, BE OBSERVED FOR ALL CONTRACTORS AND ANTENNA ENGINEERS.

SECTION 0183 - DELIVERY, STORAGE AND HANDLING:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROCEDURES AND SCHEDULING ASSOCIATED WITH HOISTING, STAGING, AND ERECTING OF MATERIALS AND EQUIPMENT AND/OR UPON THE SITE.
- ALL ELEMENTS OF THE EXISTING SITE, I.E. STRUCTURES, SITE PLANTINGS, ETC. SHALL BE PROTECTED AS NECESSARY FROM SAID ACTIONS. THIS WORK MUST BE DONE IN A SAFE, SECURE AND NON-DESTRUCTIVE MANNER FOR PROTECTING PERSONNEL AND PROPERTY.

GENERAL CONSTRUCTION NOTES:

- THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL DRAWINGS HAVE BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION." THE CONTRACTOR SHALL CONTACT NEXIUS, INC. TO ENSURE THAT THEY HAVE THE LATEST SET OF CONSTRUCTION DRAWINGS PRIOR TO COMMENCING ANY WORK WHATSOEVER.
- ADA COMPLIANCE: THE FACILITY IS A NORMALLY UNOCCUPIED MOBILE RADIO FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL ADA REQUIREMENTS SHALL BE MET. UNLESS OTHERWISE NOTED, ALL ADA REQUIREMENTS SHALL BE MET.
- DETAILS ARE INTENDED TO SHOW THE END RESULT OF DESIGN. WORK MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
- THESE PLANS ARE DESIGNED TO REFLECT OBSERVED FIELD CONDITIONS. CERTAIN CONDITIONS ARE ASSUMED TO CORRELATE WITH GENERAL STANDARD CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL AREAS OF STRUCTURAL ATTACHMENT HAVE BEEN OPENED OR SUFFICIENTLY VERIFIED. THE CONTRACTOR IS THEREFORE REQUESTED TO NOTIFY THE ENGINEER IMMEDIATELY SHOULD UNEXPECTED FIELD CONDITIONS VARY FROM THOSE DEPICTED ON THE DRAWINGS. NEXIUS, INC. WILL ISSUE FIELD CHANGE ORDERS IF REQUIRED.
- ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED BY THE ENGINEER OR RECORD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND MATERIALS INSTALLED TO BE IN STRICT CONFORMANCE WITH A MINIMUM STANDARD. WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. ELECTRICAL SYSTEMS SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND WITH LOCAL UTILITY COMPANY SPECIFICATIONS, WHOSEVER IS MORE STRINGENT.
- ALL WIRE SHALL BE KEPT CLEAN, HAZARD FREE AND PROPOSED LOCAL AND ENVIRONMENTAL LAWS. NO MATERIALS OR EQUIPMENT SHALL BE PLACED ANYWHERE ON OR IN THE STRUCTURE WITHOUT MAKING ADEQUATE PROVISIONS TO PROTECT EXISTING PROPERTY. UPON COMPLETION, REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DURING CONSTRUCTION. REPAIR ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH EXISTING SURFACES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND HAVE CONTROL OVER THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

SITE WORK GENERAL NOTES:

- THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES IN THE WORK SHALL BE PROTECTED AS ALL UTILITIES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK SHALL BE MARKED AND DIRECTED BY ENGINEERS. EXERCISE CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT LIMITED TO:
 - CONSTRUCTION
 - CONFINED SPACE
 - ELECTRICAL SAFETY
 - TRENCHING & EXCAVATION
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWING.
- THE CONTRACTOR SHALL MINIMIZE INTERFERENCE TO EXISTING SITE DURING CONSTRUCTION.
- CONSTRUCTION MEASUREMENTS, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL ORDINANCES FOR DESIGN AND SURVEY CONTROL SPECIFICATIONS FOR NON-SHRINK GENERAL-PURPOSE GROUT.

SPECIFICATIONS FOR NON-SHRINK GENERAL-PURPOSE GROUT:

- ALL NON-SHRINK GENERAL-PURPOSE GROUT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE NON-SHRINK GENERAL-PURPOSE GROUT SHALL BE MECHANICALLY MIXED FOR A MINIMUM OF 2 MINUTES.
- MIX NO LARGER THAN CAN BE PLACED IN 10 TO 15 MINUTES.
- SURFACES TO RECEIVE THE GROUT SHALL BE FREE OF ANY TYPE OF FOREIGN MATERIAL AND BOND INHIBITING MATERIALS. BE SURE REPAIR AREA IS NOT LESS THAN 1/2" IN DEPTH.
- THE SUBSTRATE SHALL BE SATURATED SURFACE DRY WITH NO STANDING WATER. MORTAR MUST BE SCRUBBED INTO SUBSTRATE FILLING ALL PORES AND Voids.
- TYPICAL PROPERTIES OF THE GROUT SHALL BE AS FOLLOWS:
 - COMPRESSIVE STRENGTH (ASTM C-109 MODIFIED)
 - 1 DAY: 800 PSI MIN
 - 28 DAYS: 7000 PSI MIN
 - FLEXURAL STRENGTH (ASTM C-293) @ 28 DAYS: 2000 PSI
- ALL STEEL BEARING PLATES AND MAIN SUPPORT STEEL SHALL BE INSTALLED ONCE THE GROUT HAS BEEN LAYED AND HAS BEEN CURED FOR A MINIMUM OF 24 HOURS. THE FULL DESIGN EQUIPMENT LOAD SHALL BE INSTALLED AFTER THE GROUT HAS CURED FOR 48 HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROPOSE AN ALTERNATIVE GROUT AND METHOD OF WORKING OUTSIDE THESE PARAMETERS. THIS MUST BE PRESENTED TO THE ENGINEER IN WRITING WITH A FULL METHOD STATEMENT, MATERIAL DATA SHEET AND INSTALLATION INSTRUCTIONS FOR HIS/HER APPROVAL.
- FAILURE TO COMPLY WITH THIS SPECIFICATION COULD SERIOUSLY AFFECT THE STABILITY OF THE INSTALLATION.

PREPARED BY:
nexius
TRANSFORM YOUR BUSINESS...THROUGH WIRELESS
 1456 OFFICE
 300 APOLLO DRIVE, SUITE 7
 CHELMSFORD, MA 01824
 1 (978) 923-7885

APPLICANT:
 CELCO PARTNERSHIP db/a
verizon
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

PROFESSIONAL STAMP

 Charles G. Gismal, P.E.
 #07003

LEGEND:

N/A	NOW OR FORMERLY
25-422052Z	ASSESSOR'S ID
A	CALCULATED POINT
O	IRON PIPE/ROD FOUND
D	BOUND FOUND
⊙	MANHOLE
⊕	CATCH BASIN
⊥	UTILITY POLE
⊥	UTILITY POLE
⊙	TREE / BUSH
○	LOUIS PROPERTY LINE
○	ABUTTERS PROPERTY LINE (S)
—	OVERHEAD WIRES
—	TREELINE
—	CONTOUR LINE
—	STONE WALL

SITE SPECIFIC NOTES:

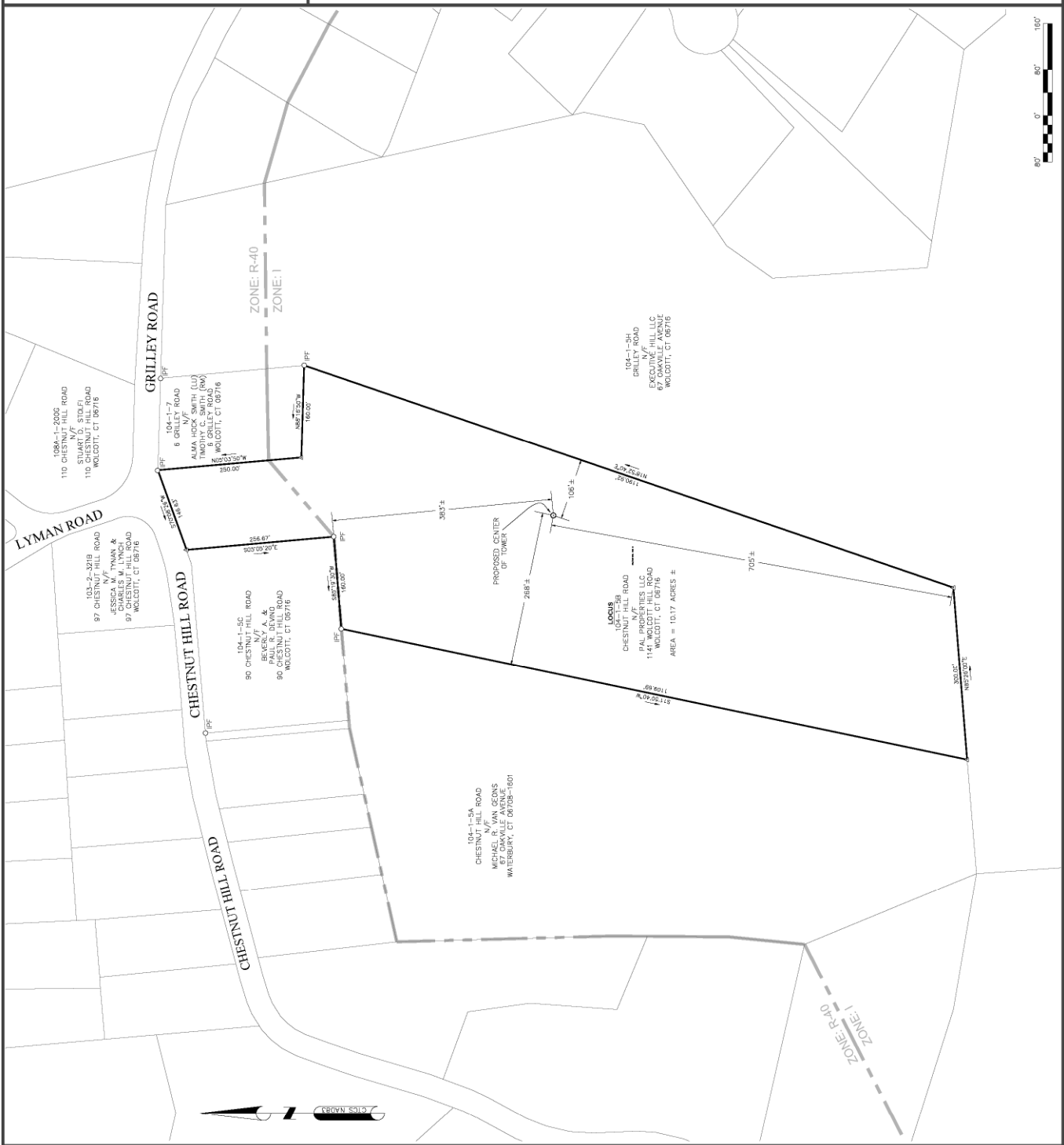
- FIELD SURVEY DATE: 12-31-2019 & 05-01-2020
- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
- VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- OWNER: PAL PROPERTIES LLC, 20 ALEXANDER DR., 2ND FLOOR, WALLINGFORD, CT 06492
- SITE NAME: CHESTNUT HILL ROAD, WOLCOTT, CT 06716
- APPLICANT: CELCO PARTNERSHIP db/a, 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 & 1
- THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM AN RIK GPS SURVEY.
- ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON IS BASED ON RECORD PLANS AND FIELD SURVEY PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD HAZARD ZONING MAPS, THIS PROPERTY IS LOCATED IN AN AREA DESIGNATED AS ZONE X, "AREA OF ANIMAL FLOOD HAZARD".
- FIELD SURVEY BY EBM 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.
- METLANS SHOWN HEREON WERE DELINEATED BY ALL-PURPOSE TELEMELEY CORPORATION.

SUBMITTALS

REV	DATE	DESCRIPTION	BY
1	01/09/2020	SUBMITTED FOR REVIEW	BCF
2	05/11/2020	ADD TOPG AND TREES	BCF

SITE INFO:
 SITE NAME:
WOLCOTT SOUTH CT
 LOCATION CODE:
 CHESTNUT HILL ROAD
 WOLCOTT, CT 06716

SHEET TITLE:
 ABUTTERS PLAN
 NEXIUS PROJ. NO.:
 SHEET NUMBER:
C-1
 CHECKED BY DATE:
 05/11/2020



PREPARED BY:
nexius
 TRANSFORM YOUR BUSINESS, THROUGH WIRELESS
 1&1F OFFICE:
 300 APOLLO DRIVE, SUITE 7
 CHELMSFORD, MA 01824
 1 (978) 923-7885

APPLICANT:
verizon
 CELCO PARTNERSHIP db/a
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

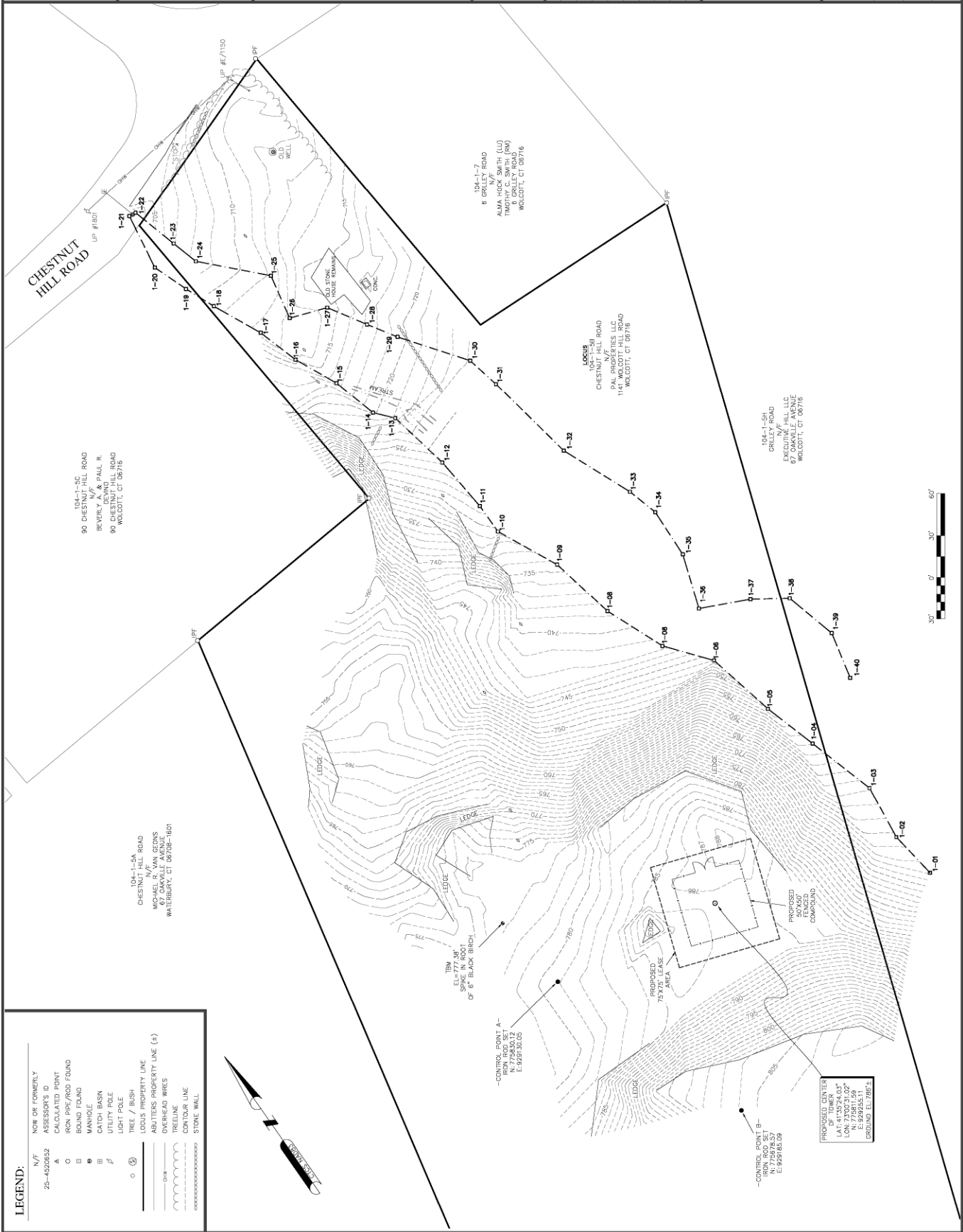
PROFESSIONAL STAMP

Charles G. Goman
 CHARLES G. GOMAN, P.E.
 #10103

REV	DATE	DESCRIPTION	BY
1	07/23/2023	SUBMITTED FOR REVIEW	BCF
2	08/11/2023	ADD TOPO AND TREES	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:
C-2
 CHECKED BY:
 BCF
 CHECKED BY DATE:
 05/11/2023



LEGEND:

N/F	NOW OR FORMERLY
25-4920852	ASSESSOR'S ID
A	CALCULATED POINT
O	IRON PIPE/ROD FOUND
B	BOUND FOUND
M	MANHOLE
BB	CATCH BASIN
P	UTILITY POLE
T	TREE / BUSH
⊙	LOGS PROPERTY LINE
—	ADJUTERS PROPERTY LINE (+)
—	OVERHEAD WIRES
—	CONTROL LINE
—	STONE WALL

PREPARED BY:
nexius
 TRANSFORM YOUR BUSINESS...THROUGH WIRELESS
 4.5¢ PER TEXT
 300 APOLLO DRIVE, SUITE 7
 CHELMSFORD, MA 01824
 1 (978) 923-7885

APPLICANT:
 CELCO PARTNERSHIP db/a
verizon
 20 ALEXANDER DRIVE, 2ND FLOOR
 WALLINGFORD, CT 06492

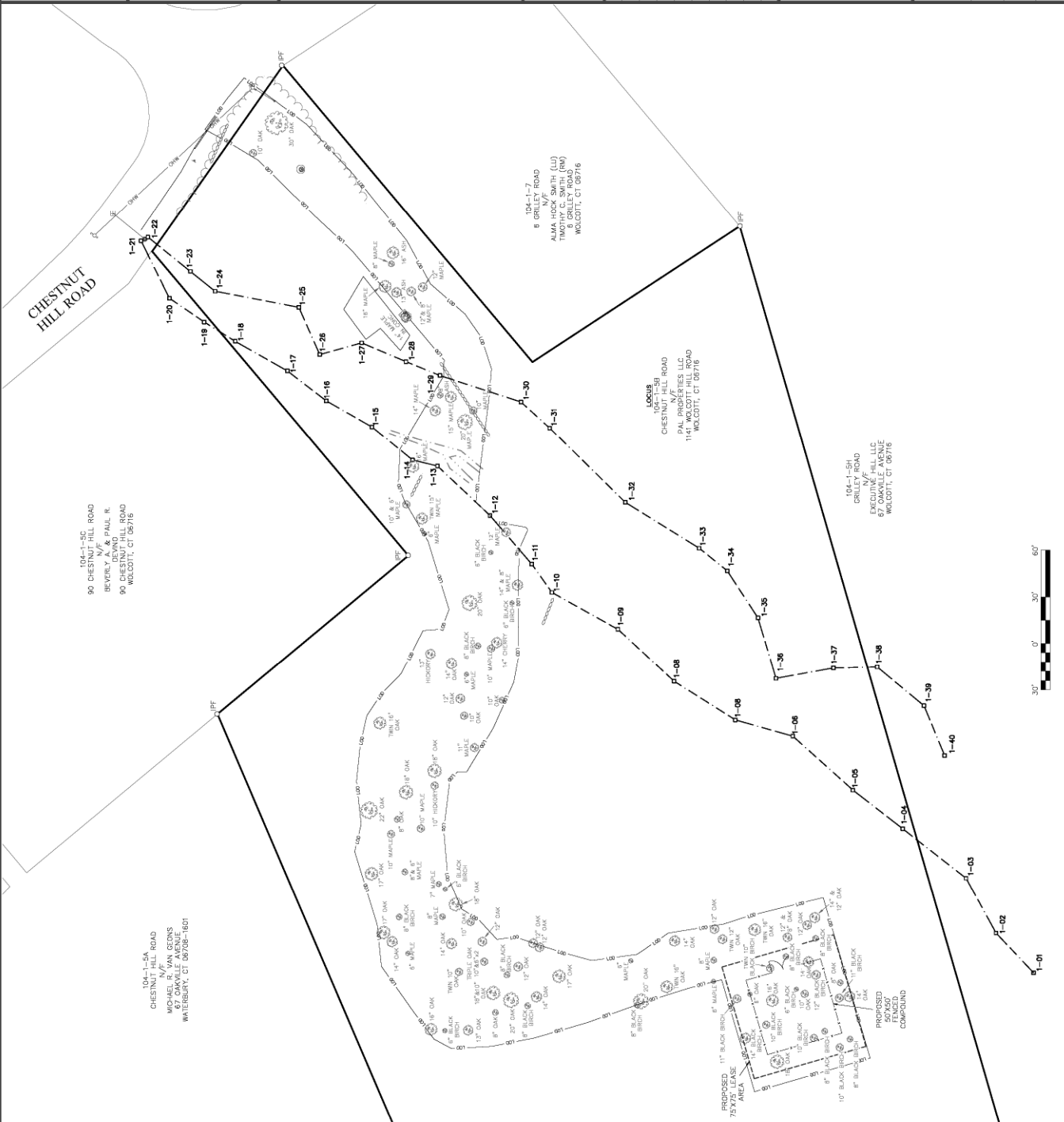
PROFESSIONAL STAMP

 Charles G. Goman, P.E.
 #10003

REV	DATE	DESCRIPTION	BY
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2	08/11/2020	ADD TOPO AND TREES	BCF

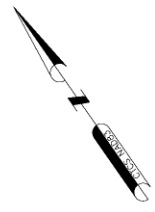
SITE INFO:
 SITE NAME:
WOLCOTT SOUTH CT
 LOCATION CODE:
 SITE ADDRESS:
 CHESTNUT HILL ROAD
 WOLCOTT, CT 06716

SHEET TITLE:
TREE SURVEY
 NEXIUS PROJ. NO.:
 SHEET NUMBER:
C-3
 CHECKED BY:
 BCF
 CHECKED BY DATE:
 05/11/2020



LEGEND:

N/F	NOW OR FORMERLY
25-4920652	ASSESSOR'S ID
A	CALCULATED POINT
C	IRON PPE/ROD FOUND
B	BOUND FOUND
M	MANHOLE
BB	CATCH BASIN
U	UTILITY POLE
β	UTILITY POLE
○	TREE / BUSH
○	LODGE PROPERTY LINE
—	ADJUTERS PROPERTY LINE (+)
—	OVERHEAD WIRES
—	ADJUTERS PROPERTY LINE (-)
—	LIMIT OF DISTURBANCE
—	STONE WALL



NOTE:
 ONLY TREES WITH A 6"
 DBH OR LARGER THAT
 FALL WITHIN THE LIMIT
 OF DISTURBANCE (LOD)
 ARE SHOWN HEREON

NO	DATE	REVISION
1	10/20/22	ADDED SCREENING ROB
2		
3		
4		
5		

DESIGN PROFESSIONALS OF RECORD	
PROF. ROBERT E. BURNS, P.E.	REGISTERED PROFESSIONAL ENGINEER
ADD: 587 FAUJANVILLE STREET	WATERBURY, CT 06705

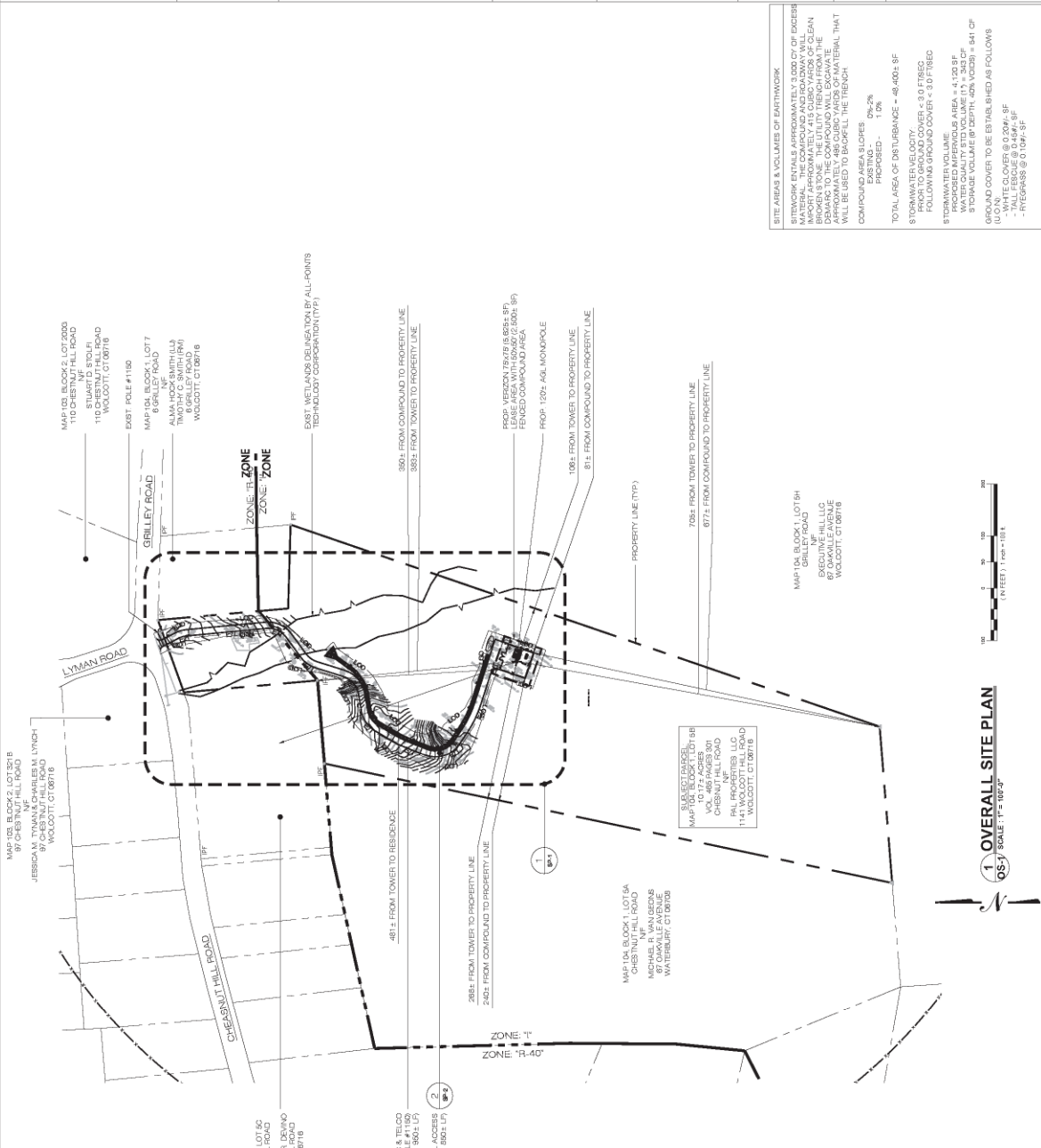
VERIZON AT	
PROJECT NUMBER:	WOLCOTT SOUTH, CT
DATE:	07/26/21
DRAWN BY:	CSK
CHECKED BY:	RKB

OVERALL SITE PLAN	
SHEET NUMBER:	OS-1



SITE AREAS & VOLUMES OF EARTHWORK
 BITUMEN FINISHES APPROXIMATELY 3,000 CY OF EXCESS MATERIAL. THE COMPOUND AND ROADWAY WILL BE BROKEN TO ONE (1) INCH BELOW FINISH GRADE. APPROXIMATELY 200 CY OF EXCESS MATERIAL WILL BE USED TO BACKFILL THE TRENCH.
 COMPOUND AREA SLOPES SHALL BE 1:2.
 FINISHED: 1.0%
 TOTAL AREA OF DISTURBANCE - 48,400± SF
 9' FROM TOWER TO PROPERTY LINE
 FOLLOWING GROUND COVER < 3.0 FT BFC
 STORMWATER VOLUME: 1,158.54 ± 105.91 CF
 WATER QUALITY STORAGE VOLUME (1") = 343 CF
 STORAGE VOLUME @ DEPTH (20% VOID) = 541 CF
 GROUND COVER TO BE ESTABLISHED AS FOLLOWS
 (1) WHITE CLOVER @ 0.20M²/SF
 (2) TALL FESCUE @ 0.40M²/SF
 (3) TRESPASS @ 0.10M²/SF

BASE MAP FOR SHEETS OS-1 & OS-1 FROM:
 1. "ADULTER'S PLANT & LOGGING CONDITIONS" OF WOLCOTT SOUTH, CT, CHESTNUT HILL, CONN. COUNTY, 110 DELAWARE STREET, SUITE 202, BATHWATER, MA 02827, OFFICE (413) 233-8144.
 2. CONTOUR DATA FROM LOT EDO - CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL SERVICES, 100 STATE STREET, WATERBURY, CT 06705, FOR LAND USE EDUCATION AND RESEARCH (2016) USGS QUANTITY LEVEL 2 DATA.



1 OVERALL SITE PLAN
 OS-1 SCALE 1" = 100'

PREPARED BY:

NEXIUS

AME OFFICE
300 APOCALYPSE DRIVE, 2ND FLOOR
CHELSEA, MA 01864

APPLICANT:



CELLO PARTNERSHIP 4/2/6
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581



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ARE DEEMED "NOT TO SCALE".

REV	DATE	DESCRIPTION	BY
0	01/19/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/25/22	REVISED PER CSC	JM

SITE INFO:

SITE NAME:
WOLCOTT_SOUTH_CT
LOCATION CODE:
469036

SITE ADDRESS:
**CHESTNUT HILL ROAD
WOLCOTT, CT 06716
NEW HAVEN COUNTY**

SHEET TITLE:

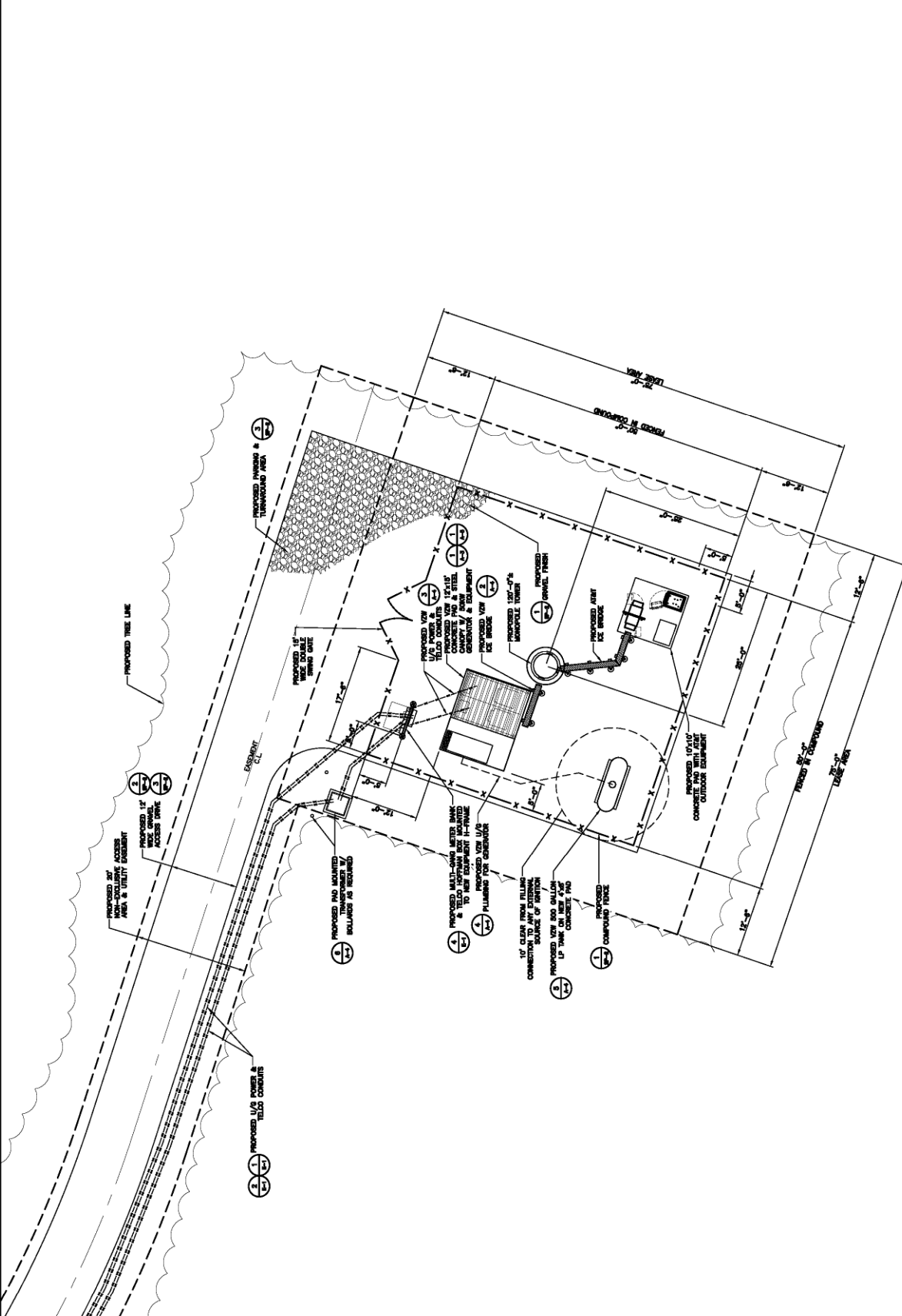
COMPOUND PLAN

NEXIUS PROJ. NO.:
VZ11500

CHECKED BY:
JP

CHECKED BY DATE:
01/19/22

A-1



1 **COMPOUND PLAN**
SCALE: 1/8" = 1'-0"
GRAPHIC SCALE: 1/8" = 1'-0"

APPROX. NORTH

PREPARED BY:

NEXIUS

AME OFFICE
300 SPOULD DRIVE, 2ND FLOOR
CHELSEA, MA 01824

APPLICANT:

verizon

CELLO PARTNERSHIP 4/19/6
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581



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REV	DATE	DESCRIPTION	BY
0	01/19/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/29/22	REVISED PER CSC	JM

SUBMITTALS

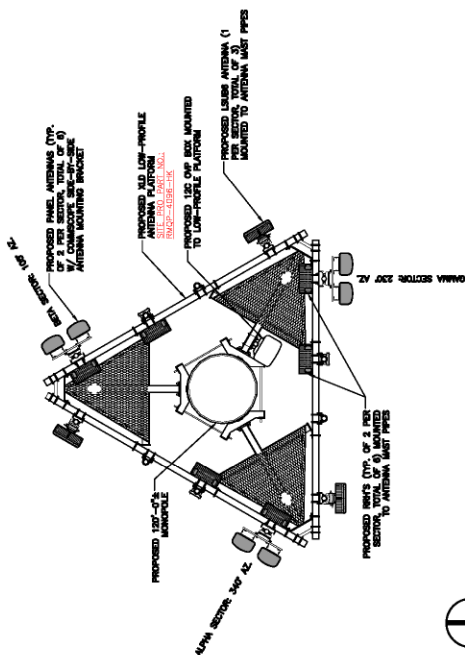
SITE INFO:

SITE NAME: **WOLCOTT_SOUTH_CT**
LOCATION CODE:
469036

SITE ADDRESS:
**CHESTNUT HILL ROAD
WOLCOTT, CT 06716
NEW HAVEN COUNTY**

SHEET TITLE:	
TOWER ELEVATION DETAILS & NOTES	
SHEET NUMBER:	A-2
NEXIUS PROJ. NO.:	VZ115009
CHECKED BY:	JP
CHECKED BY DATE:	01/19/22

NOTE:
1. REFER TO LATEST RFDs FOR FINAL ANTENNA CONFIGURATION.

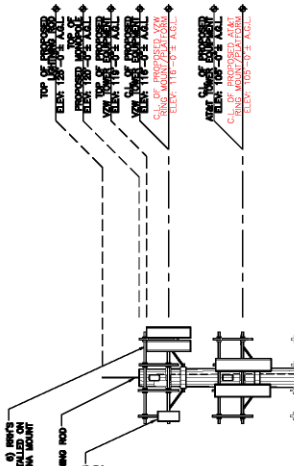


ANTENNA PLAN
SCALE: 3/8" = 1'-0"
APPROX. NORTH

GRAPHIC SCALE: 3/8" = 1'-0"

- STRUCTURAL STEEL NOTES:**
- DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION" FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 - STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A58 "STRUCTURAL STEEL", UNLESS OTHERWISE NOTED.
 - STEEL TUBING SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B.
 - STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 "PIPE STEEL, BLACK AND HEAVY WALL, ELECTRIC RESISTANCE HEATED, SEAMLESS", GRADE B. PIPE SIZE INDICATED ARE NOMINAL ACTUAL ARE OUTSIDE DIAMETER IF LARGER.
 - UNBOLT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI, OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8" X 1 5/8" UNLESS OTHERWISE NOTED, AND SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
 - FIELD CONNECTIONS SHALL BE BOLTED UNLESS OTHERWISE INDICATED. ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE HIGH STRENGTH BOLTS AND CONFORM TO THE LATEST EDITION OF ASTM A503 "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCH DIA. UNLESS OTHERWISE NOTED. BOLTS SHALL BE 3/4 INCH DIA. UNLESS OTHERWISE NOTED.
 - DISK BOLT SHALL CONFORM TO FEDERAL SPECIFICATIONS FF-55-524, GROUP I, TYPE A, CLASS 1, HLT, 1/2 INK BOLT, OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE (4) INCHES.
 - SEWER ANCHORS SHALL CONFORM TO FEDERAL SPECIFICATIONS FF-55-135, GROUP I, TYPE A, CLASS 3, AS MANUFACTURED BY HILL FASTENING SYSTEMS OR APPROVED EQUAL. INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE THREE (3) INCHES.
 - PROVIDE FOUR (4) WELDED WELDS PER ANCHOR FOR ALL ANCHORS. WELDS SHALL BE 1/2" THICK AND 1/2" WIDE. AN EPOXY ADHESIVE THE ANCHORING SYSTEM SHALL BE THE HLT HIT HIT-20 SYSTEM OR ENGINEER APPROVED EQUAL WITH 6" MIN. EMBEDMENT.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
 - SUBMIT SHOP DETAIL DRAWINGS OF ALL STRUCTURAL AND MISCELLANEOUS STEEL TO THE ENGINEER FOR APPROVAL, AND INCORPORATE ALL COMMENTS PRIOR TO FABRICATION.
 - CONCRETE DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER. CONCRETE SHALL BE 4000 PSI COMPRESSIVE STRENGTH. ALL REINFORCING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO TOWER CONSTRUCTION. ANY SUCH ACTION SHALL REQUIRE PRIOR ENGINEER APPROVAL.
 - ALL WORK SHALL BE INSPECTED BY THE ENGINEER DURING AND AT THE COMPLETION OF CONSTRUCTION.
- WELDING:**
- CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE, AND QUALIFICATION PROCEDURES. ALL WELDS SHALL BE WELDED IN ACCORDANCE WITH AWS QUALIFICATION PROCEDURES.

- ANTENNA MOUNTING NOTES:**
- DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/AIAA-222-2 "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES". NOTE SEE CODE FOR COUNTRY SPECIFIC DESIGN WIND SPEEDS.
 - ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
 - DAMAGE GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780, UNLESS OTHERWISE NOTED.
 - INSTALL ALL ANCHORS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE COMPONENTS THEREOF AND ATTACHMENT THEREOF SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. THE FABRICATOR SHALL PROVIDE THE OWNER WITH A STATEMENT OF OTHER PERTINENT DATA. MFR SHALL ALSO PROVIDE THE OWNER WITH A STATEMENT OF COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND STANDARDS. ALL SUBMISSIONS SHALL BEAK THE STAMP AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE WORK IS BEING PERFORMED.
 - VERIZON WILL COLOR CODE AND TAG THE COAX AT BOTH THE TOP OF THE TOWER AND AT THE POINT OF ENTRY TO THE TOWER. THE COAX SHALL BE 3/4 INCH DIA. WITH A MINIMUM WIDTH OF 3/4 INCHES. 7 MIL VINYL PLASTIC TAPE, SCOTCH 33 OR EQUIVALENT.
 - THE TAGS WILL BE DONE WITH METAL "DOG" TAGS. A TAG WILL BE PLACED ON THE COAX AT THE POINT OF ENTRY TO THE TOWER AND ONE WILL BE PLACED ON THE COAX AT THE ANTENNA AND ONE WILL BE PLACED ON THE COAX AT THE TOWER.
 - THE ENTRY POINT ASSUMES SHALL BE PROVIDED WHERE POSSIBLE. THIS STANDARD ASSUMES THAT THE ENTRY POINT CONSISTS OF THREE ROWS OF FOUR PEGS. WITH THE FIRST ROW BEING NUMBERED FROM 1-8 FROM LEFT TO RIGHT, THE SECOND ROW IS NUMBERED 9-12 (LEFT TO RIGHT) AND THE THIRD ROW IS 13-16 (LEFT TO RIGHT).
 - A SITE SPECIFIC COAX COLOR CODE SHEET TO BE PROVIDED BY CELLULAR EQUIPMENT ENGINEER.



ELEVATION
SCALE: 1/8" = 1'-0"
APPROX. NORTH

GRAPHIC SCALE: 1/8" = 1'-0"

- HYBRID CABLE SCHEDULE**
- | SECTOR | CABLE QUANTITY / TYPE | LENGTH |
|--------|-----------------------|--------|
| ALPHA | (1) 12x24 HYBRID | 160± |
| BETA | | |
| GAMMA | | |
- THE DC AND FIBER HYBRID CABLES ARE PROVIDED BY VZM. THE SIZING AND OR DEBATING OF HYBRID CABLE DC CONDUCTORS SHALL BE DONE BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE IEC.
- PROPOSED MONOPOLE:**
- THE MONOPOLE SHALL BE CONSTRUCTED WITH GALVANIZED STEEL.
 - NO FAA OBSTRUCTION LIGHTING IS PROPOSED UNLESS IT IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR LOCAL MUNICIPALITY.
 - ALL REFERENCES TO THE TOWER AND ITS FOUNDATION ARE TO BE DIRECTED TO THE DESIGN DETAIL DRAWINGS BY THE TOWER SUPPLIER.
 - THERE SHALL BE NO PERMANENT CLIMBING PEGS WITHIN 15' OF THE GROUND.
 - PROPOSED ANTENNAS SHALL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC RF ANTENNA DESIGN SHEET SUPPLIED BY THE RF SYSTEMS DESIGN ENGINEER AND IN ACCORDANCE WITH SITE PLAN REVIEW APPROVAL.
- FOR TOWER FOUNDATION & TOWER STRUCTURAL STEEL DESIGN:**
- (3) TOTAL COLOCATION CENTERLINES WITH (12) ANTENNAS EACH.

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 - ALL WORK SHALL BE INSPECTED BY THE ENGINEER DURING AND AT THE COMPLETION OF CONSTRUCTION.
- WELDING:**
- CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE, AND QUALIFICATION PROCEDURES. ALL WELDS SHALL BE WELDED IN ACCORDANCE WITH AWS QUALIFICATION PROCEDURES.

PREPARED BY:

NEXIUS

AME OFFICE
300 ACACIO DRIVE, 2ND FLOOR
CHELSEA, MA 01824

APPLICANT:



CELLO PARTNERSHIP 4/2/6
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581



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REV	DATE	DESCRIPTION	BY
0	01/18/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/25/22	REVISED PER CSC	JM

SUBMITTALS

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

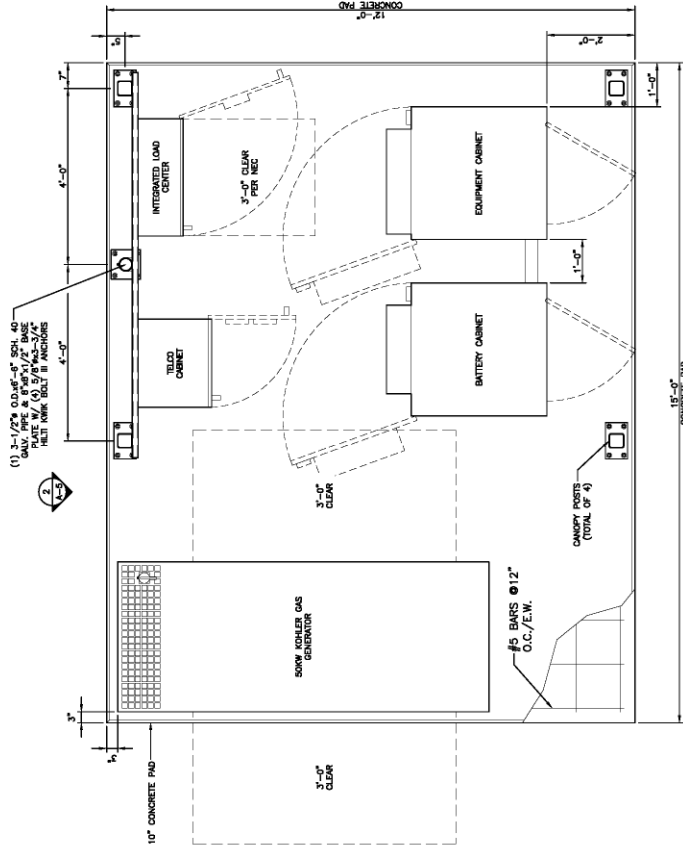
SHEET INFO:

EQUIPMENT PAD
DETAILS

SHEET NUMBER:
VZ11509

CHECKED BY:
JP

CHECKED BY DATE:
01/19/22



1 EQUIPMENT PLAN
SCALE: 3/4" = 1'-0"
APPROX. NORTH

2 EQUIPMENT ELEVATION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"



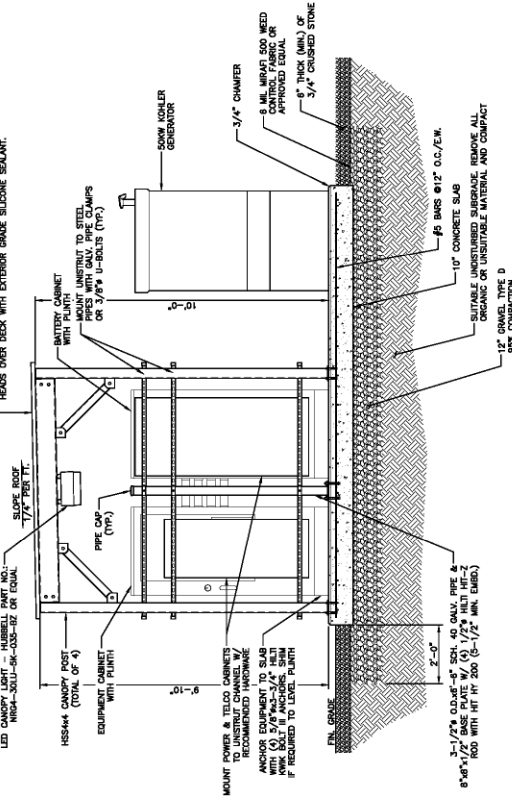
3 EQUIPMENT ELEVATION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"



FOUNDATION NOTES & CONCRETE SPECIFICATIONS

- FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSION SHOWN ON THE PLAN. EXISTING CURB, EDGE AND ALL OTHER EXISTING UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A TON VIBRATORY ROLLER TO PROVIDE UNWELDING SURFACE.
- UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP BACKFILL WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
- CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (F_c)=4000 psi. CONCRETE TO BE AIR ENTRAINED, DESIRED AIR CONTENT TO BE 6% (PLUS OR MINUS 2%).
- REINFORCING BAR TO BE ASTM A615 GRADE 60.
- WELDED WIRE FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A675.
- ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO LATEST EDITION OF ACI 318 AND APPLICABLE STATE BUILDING CODE.

NATION-WARRANT, 1.818 GALV. STEEL DECK, FASTEN DECK TO STEEL FRAMING WITH #12 GALV. STEEL LAP WASHERS AND NUTS. LAPS OF DECK TO BE OVERLAPPED WITH #10 GALV. STEEL LAP SELF-DRAWLING TOP SCREWS @ 8" O.C. MAX. SEAL SCREW HEADS OVER DECK WITH EXTERIOR GRADE ELASTIC SEALANT.



2 EQUIPMENT ELEVATION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE: 1/2" = 1'-0"

PREPARED BY:

NEXIUS

AME OFFICE
300 ESCUDO DRIVE, 2ND FLOOR
CHELSEA, MA 01824

APPLICANT:

verizon

CELLO PARTNERSHIP 4/1/0
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581

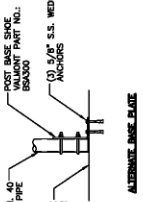


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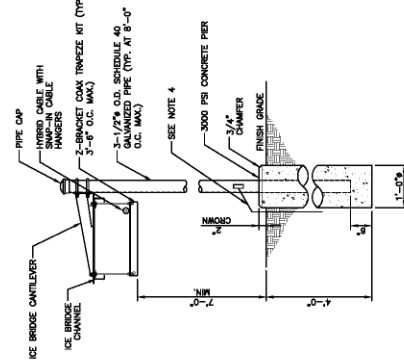
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3	04/25/22	REVISED PER CSC	JM

SITE INFO:
 SITE NAME:
WOLCOTT_SOUTH_CT
 LOCATION CODE:
489936
 SITE ADDRESS:
**CHESTNUT HILL ROAD
 WOLCOTT, CT 06716
 NEW HAVEN COUNTY**

SHEET TITLE:	
SITE DETAILS	
NEXIUS PROJ. NO.:	SHEET NUMBER:
VZ11509	A-4
CHECKED BY:	JP
CHECKED BY DATE:	01/19/22

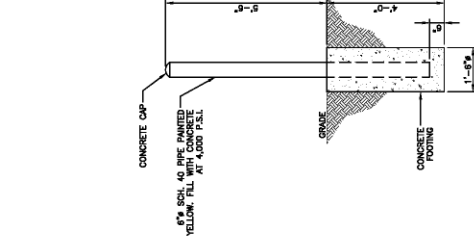


ALTERNATIVE BASE PLATE

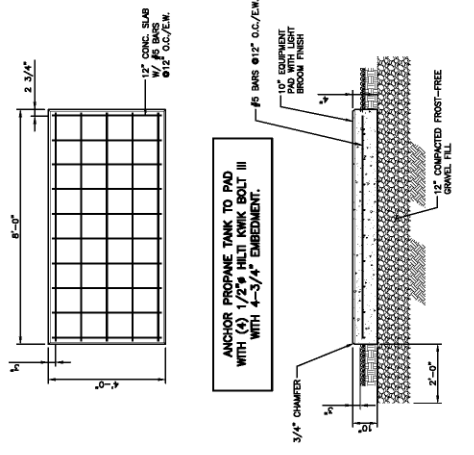


NOTE:
 1. ALL PARTS SHOWN ARE FROM SITE PRO. OR APPROVED EQUAL.
 2. ALL STRUCTURAL STEEL & BOLTS ARE TO BE HOT DIPPED/ROD GALVANIZED OR STAINLESS STEEL.
 3. ALL BOLTS TO BE HILTI KWIK BOLT NUTS.
 4. ALL SPLICED WIRE TO BE COPPER WIRE OF 8" FLEXIBLE STEEL CONDUIT, CRIMPED EVERY 6" TO 8" WITH CORROSION INHIBITOR, SILICONE SEAL AT OPENING.

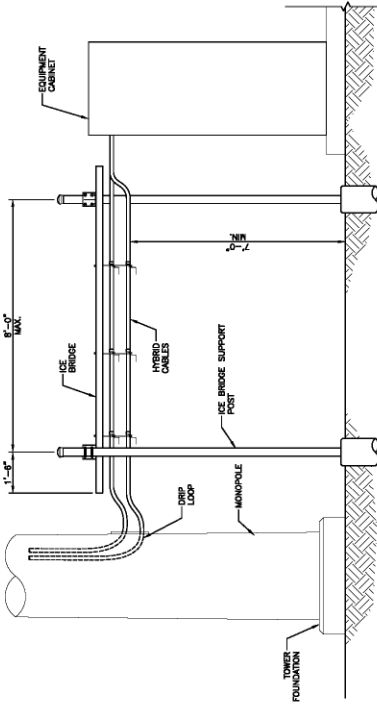
2 ICE BRIDGE SUPPORT POST DETAIL
SCALE: N.T.S.



6 BOLLARD DETAIL
SCALE: N.T.S.

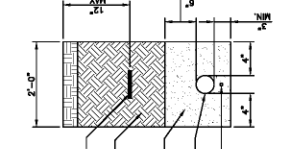


5 EQUIPMENT CONCRETE PAD DETAIL
SCALE: N.T.S.

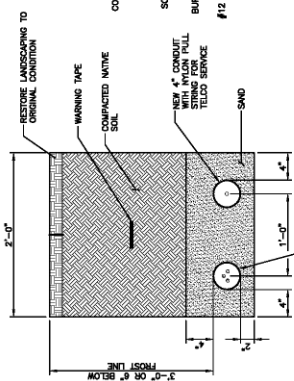


1 ICE BRIDGE DETAIL
SCALE: N.T.S.

- A MINIMUM OF 1'-0" VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN GAS LINE & ALL OTHER STRUCTURES.
- MINIMUM COVER OVER THE PIPE SHALL BE MEASURED AS FOLLOWS:
 A. RANDOMLY MINIMUM COVER SHALL BE 50" FROM THE TOP OF THE PIPE TO THE TOP SURFACE OF THE SHALLOW SIDE MEASUREMENT.
 B. OFF THE TRAVELED PORTION WHEN THE TRAVELED PORTION IS MAINTAINED WITHIN THE TRAVELED PORTION SHALL BE 24" FROM THE TOP OF THE SHALLOW SIDE FOR MEASUREMENT.
 C. OFF OF THE TRAVELED WAY MINIMUM COVER SHALL BE FROM 24" WITH THE CLEARANCE FROM THE OUTER LINE MEASUREMENT FROM THE CENTER LINE.
 3. PRIVATE PROPERTY SHALL BE 18" WHEN OUTSIDE PAVED AREAS, I.E. PARKING LOT.
 4. THE BOTTOM OF THE TRENCH MUST BE SCREENED SAND MUST BE PLACED IN THE SAND SHOULD BE COMPARABLE TO MASON SAND).
 5. PRIOR TO LAYING PIPE, A MIN. OF 3" OF SCREENED SAND MUST BE PLACED IN THE TRENCH TO PROTECT THE PIPE FROM THE SAND).
 6. THE FIRST LAYER OF PIPE PROTECTION SHALL BE 18" OF SAND & 6" OF SAND ON THE TOP.



4 GAS PIPING TRENCH DETAIL
SCALE: N.T.S.



3 UTILITY TRENCH DETAIL
SCALE: N.T.S.

PREPARED BY:

NEXIUS

AME OFFICE
300 ROCKLEDGE DRIVE, 2ND FLOOR
CHELSEA, MA 01824

APPLICANT:



CELLOO PARTNERSHIP 4/2/6
118 FLANDERS ROAD, 3RD FLOOR
WESTBOROUGH, MA 01581



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REV	DATE	DESCRIPTION	BY
0	01/19/22	CONSTRUCTION DRAWINGS	JM
1	02/08/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/25/22	REVISED PER OSC	JM

SITE INFO:

SITE NAME:
WOLCOTT_SOUTH_CT
LOCATION CODE:
469936

SITE ADDRESS:
**CHESTNUT HILL ROAD
WOLCOTT, CT 06716
NEW HAVEN COUNTY**

SHEET TITLE:

CANOPY DETAILS

NEXIUS PROJ. NO.:

VZ11509

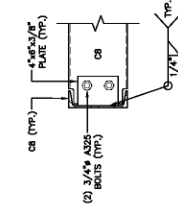
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JP

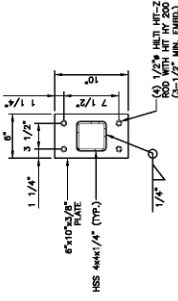
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01/19/22

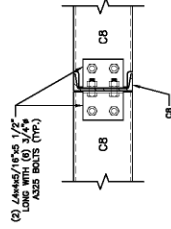
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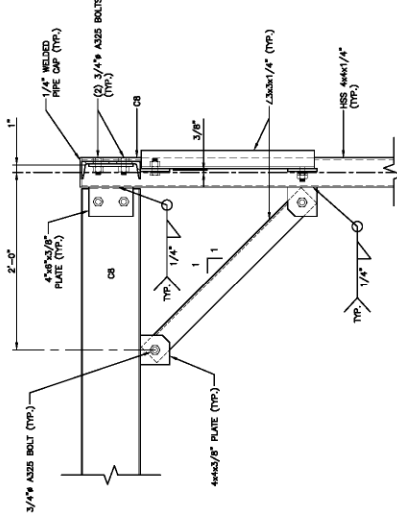
3 CANOPY SECTION
SCALE: N.T.S.



2 CANOPY POST DETAIL
SCALE: N.T.S.

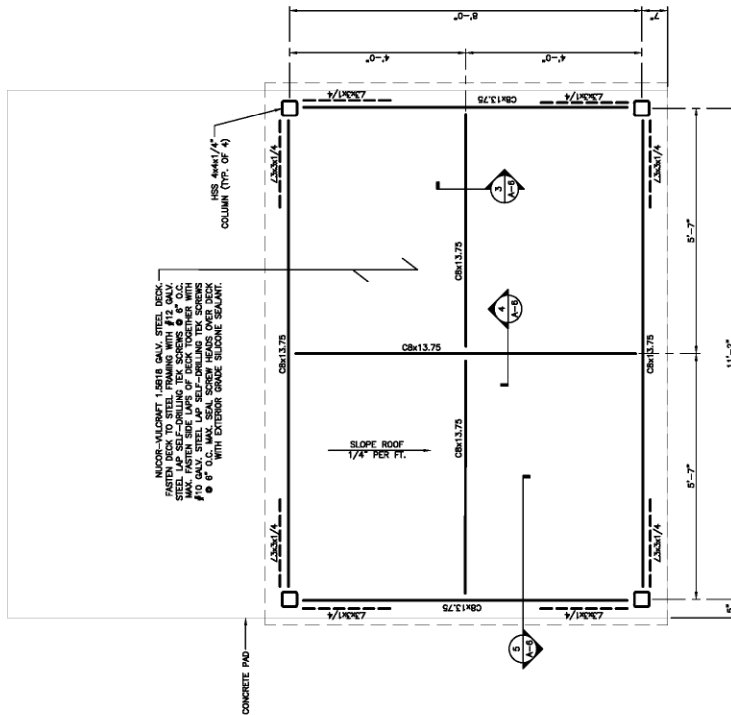


4 CANOPY SECTION
SCALE: N.T.S.



5 CANOPY SECTION
SCALE: N.T.S.

NOTE:
-ALL STRUCTURAL STEEL IS TO BE GALVANIZED.
-ALL BOLTS TO BE FURNISHED W/ WASHERS AND NUTS.



1 CANOPY FRAMING PLAN
SCALE: 3/4" = 1'-0"
GRAPHIC SCALE: 3/8" = 1'-0"
APPROX. NORTH

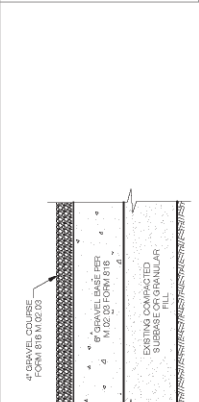
DEVELOPMENT & MANAGEMENT PLANS

NO.	DATE	REVISION
1	05/20/22	ISSUED FOR PERMITS
2	05/20/22	ADDED SCREENING ROB
3		
4		
5		

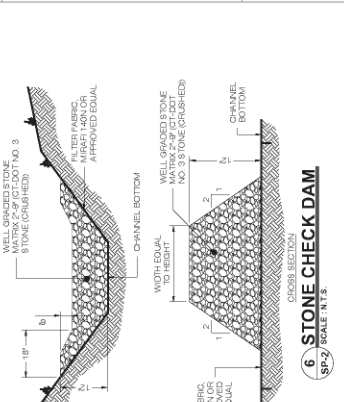
DESIGN PROFESSIONALS OF RECORD
PROF. ROBERT C. BIRN, P.E.
REGISTERED PROFESSIONAL ENGINEER
ADD: 567 FAUNHALL STREET
WATERBURY, CT 06705
PHONE: 860-864-1811
FAX: 860-864-1812
WWW.TECHNOLOGYCORP.COM

VERIZON AT
WOLCOTT SOUTH, CT
SITE ADDRESS: WOLCOTT, CT 06710
PROJECT NUMBER: WTR00000000000000
DATE: 07/20/21 | CHECKED BY: RCB
DRAWN BY: CJK

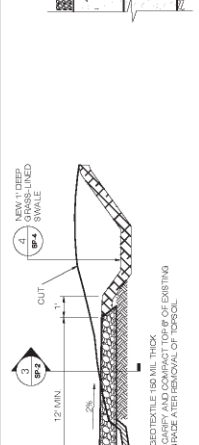
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SITE DETAILS
SHEET NUMBER: **SP-2**
SCALE: N.T.S.



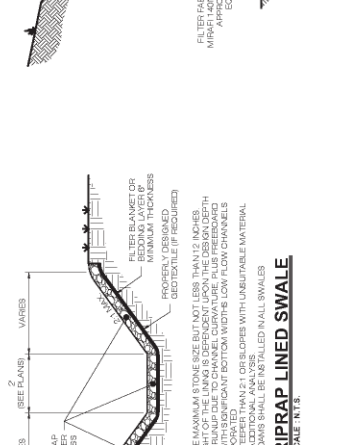
3. GRAVEL ROAD SECTION
SP-2 SCALE: N.T.S.



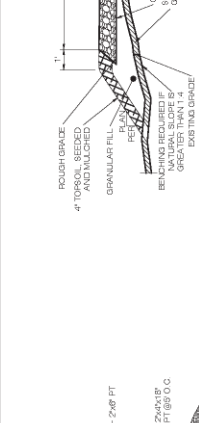
6. STONE CHECK DAM
SP-2 SCALE: N.T.S.



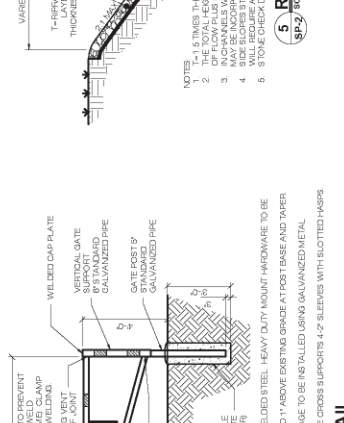
2. TYPICAL ROAD CROSS SECTION
SP-2 SCALE: N.T.S.



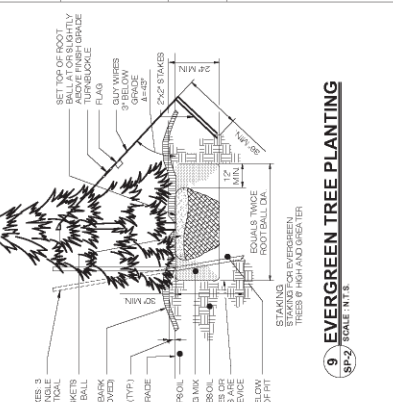
5. RIPRAP LINED SWALE
SP-2 SCALE: N.T.S.



1. COMPOUND DETAIL
SP-2 SCALE: N.T.S.



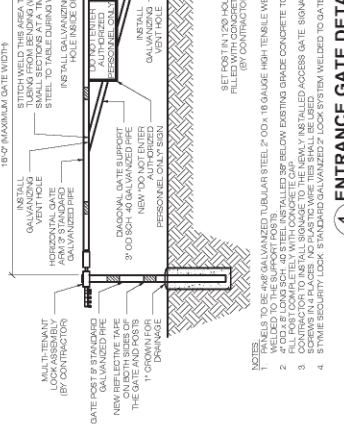
4. ENTRANCE GATE DETAIL
SP-2 SCALE: N.T.S.



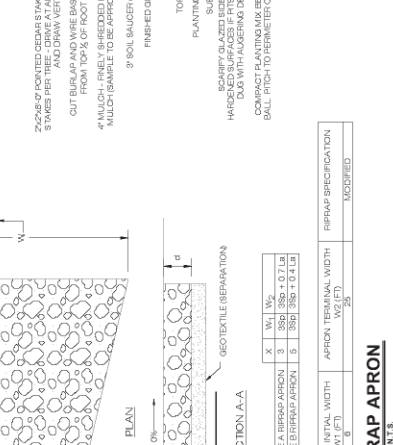
9. EVERGREEN TREE PLANTING
SP-2 SCALE: N.T.S.



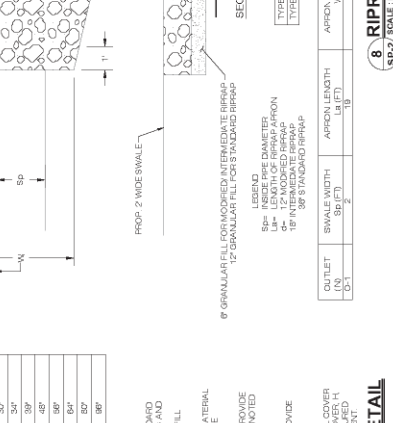
7. HDPE STORM DRAINAGE TRENCH DETAIL
SP-2 SCALE: N.T.S.



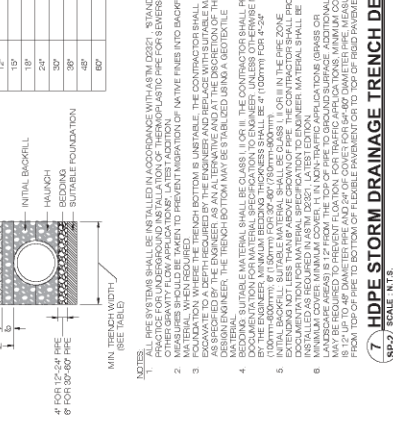
8. RIPRAP APRON
SP-2 SCALE: N.T.S.



6. STONE CHECK DAM
SP-2 SCALE: N.T.S.



5. RIPRAP LINED SWALE
SP-2 SCALE: N.T.S.



4. ENTRANCE GATE DETAIL
SP-2 SCALE: N.T.S.

RECOMMENDED MIN. TRENCH WIDTH	PRE-CAST	MIN. TRENCH WIDTH
6"	20"	
8"	20"	
10"	20"	
12"	30"	
14"	30"	
16"	30"	
18"	30"	
20"	30"	
24"	48"	
30"	60"	
36"	60"	
42"	60"	
48"	60"	
60"	90"	

NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2001, STANDARD SPECIFICATION FOR 12" TO 60" DIAMETER POLYETHYLENE GLASS REINFORCED PIPE FOR STORM AND OTHER GRAVITY FLOW APPLICATIONS, LATEST EDITION.
2. MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
3. FOUNDATION WHERE THE TRENCH BOTTOM IS UNSTABLE THE CONTRACTOR SHALL PROVIDE A FOUNDATION AS SHOWN OR AS SPECIFIED BY THE ENGINEER AS AN ALTERNATIVE AND AT THE DISCRETION OF THE MATERIAL MANUFACTURER. THE TRENCH BOTTOM MAY BE SLOPED TO A MINIMUM OF 1% TO PROVIDE DRAINAGE.
4. BACKFILL SHALL BE CLASS II OR III AS SPECIFIED IN THE CONTRACT DOCUMENTS. PROVIDE PROPER COMPACTION TO THE TRENCH WALLS AND BOTTOM. THE TOP OF THE TRENCH SHALL BE FINISHED TO THE ORIGINAL GRADE OR AS SPECIFIED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" DIAMETER PIPE AND 6" (150MM) FOR 24"-60" DIAMETER PIPE. PROVIDE PROPER COMPACTION TO THE TRENCH WALLS AND BOTTOM. THE TOP OF THE TRENCH SHALL BE FINISHED TO THE ORIGINAL GRADE OR AS SPECIFIED BY THE ENGINEER.
5. INITIAL BACKFILL SUBSTRATE MATERIAL SHALL BE CLASS II OR III AS SPECIFIED IN THE CONTRACT DOCUMENTS FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR.
6. LANDSCAPE AREAS 18" FROM THE TOP OF PIPE TO GRADE SURFACE. ADDITIONAL COVER SHALL BE PROVIDED TO THE TOP OF PIPE TO GRADE SURFACE. ADDITIONAL COVER SHALL BE 18" TO 24" DIAMETER PIPE AND 24" COVER FOR 24" OR GREATER DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

7. HDPE STORM DRAINAGE TRENCH DETAIL
SP-2 SCALE: N.T.S.

DEVELOPMENT & MANAGEMENT PLANS		
NO.	DATE / REVISION	BY / CHECKED
1	10/20/22	ADDED SCREENING ROB
2		
3		
4		
5		
6		

DESIGN PROFESSIONALS OF RECORD
PROF. ROBERT C. BURNS, P.E.
REGISTERED PROFESSIONAL ENGINEER
ADDRESS: WOLCOTT, SOUTH, CT
WATERBURY, CT 06703

VERIZON AT WOLCOTT, SOUTH, CT
SITE: CHEMIST HILL ROAD
ADDRESS: WOLCOTT, CT 06710
LOT/FILING NUMBER: INTERCOMB 290
DATE: 07/26/21 | CHECKED BY: ROB

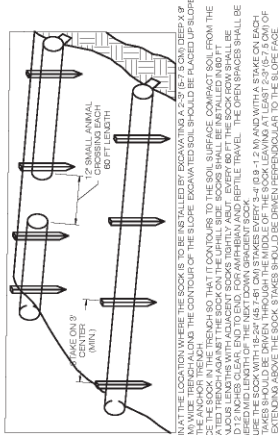
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DATE: 07/26/21 | **CHECKED BY: ROB**

SHEET TITLE:

SITE DETAILS



SP-3



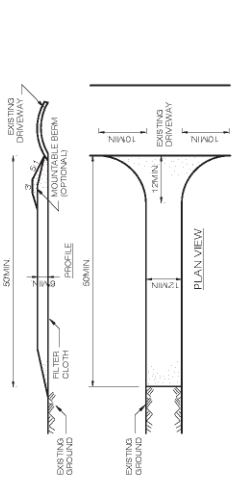
3 SEDIMENTATION CONTROL BARRIER
SCALE: N.T.S.

1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-0" BY 7'-0" OR DEEP X 9" TRENCH FROM THE UNDISTURBED GROUND TO THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE UNDISTURBED GROUND.
2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTIGUOUS TO THE SOIL SURFACE. COMPACT SOIL FROM THE GROUND INTO THE SOCK IN 4" LIFTS WITH AN AGENT SPOKES TOGETHER. ABOUT EVERY 60" FT THE SOCK DOWN SHALL BE STAGGERED IN LENGTH OF THE NEXT DOWN GRADIENT SOCK.
3. SECURE THE SOCK WITH 18-24 1/2" DIA. STAKES EVERY 3'-0" TO 4'-0" IN 1.2 M AND WITH A STAKE ON EACH SIDE OF THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.



6 TEMPORARY STOCKPILE DETAIL
SCALE: N.T.S.

1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
2. SOIL ADJACENT TO STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.
3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED FLATTER.
4. STOCKPILE EDGES MUST NOT EXCEED 36" STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
5. ANY SOIL STOCKPILES IN EXCESS OF SEVEN (7) DAYS SHALL BE RESEED AND MULCHED OR COVERED.



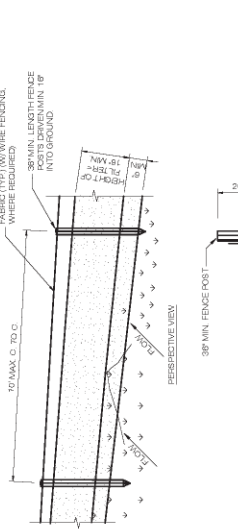
(CE) GEOTEXTILE ENTRANCE DETAIL
SCALE: N.T.S.

1. WIDTH - NOT LESS THAN 36" MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
2. THICKNESS - NOT LESS THAN 18 IN (6) INCHES.
3. WORTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
4. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
5. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PERMITTED WITH THE ENTRANCE. IF PHRUG'S IMPACTUAL A WOODPILE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC ROADS OR WAYS. ALL SEDIMENT SHALL BE DROPPED, WASHED OR TRACKED ON TO PUBLIC ROADS OR WAYS. MUST BE REMOVED IMMEDIATELY.
7. INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



5 TEMPORARY CONCRETE WASHOUT DETAIL
SCALE: N.T.S.

1. PERFORM WASH-OUT OF EXISTING CONCRETE IN DESIGNATED CONCRETE WASH-OUT AREA ONLY.
2. DO NOT WASH OUT CONCRETE INTO STORM DRAINS, OPEN STREAMS, STREETS OR OTHER RECEIVING AREAS.
3. DO NOT ALLOW EXCESS CONCRETE TO BE DISPOSED IN ANY MANNER OTHER THAN THE DESIGNATED CONCRETE WASH-OUT AREA.



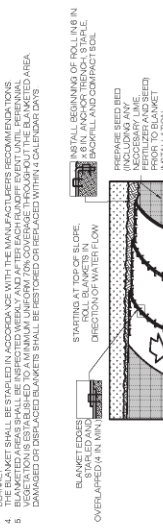
1 GEOTEXTILE SILT FENCE DETAIL
SCALE: N.T.S.

1. PROVIDE ANCHOR TRENCH AT TOP OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
2. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY ENDS ARE TO BE IN CONTACT WITH SOIL. DO NOT TIE THE ENDS TOGETHER.
3. BLANKET SHALL BE REPLENISHED AS NECESSARY. THE MAXIMUM PERCENTAGE OF SOIL LOSS SHALL BE 10%.
4. VEGETATION SHALL BE RE-PLANTED AS NECESSARY. AND NOT ALLOW TO GROW THROUGHOUT THE BLANKETED AREA. VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM TON COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISAPPEARED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 14 CALENDAR DAYS.
5. CONSECUTIVE REPS SPACED DOWN THE SLOPE MUST BE END OVER END (SHIMBLE STYLE) WITH AN OVERLAP OF APPROXIMATELY 12" WIDTH THROUGHOUT DISAPPEARED AREA, APPROXIMATELY 12" WIDTH ACROSS ENTIRE RECS WIDTH.



4 EROSION CONTROL BLANKET STEEP SLOPES
SCALE: N.T.S.

1. PROVIDE ANCHOR TRENCH AT TOP OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
2. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY ENDS ARE TO BE IN CONTACT WITH SOIL. DO NOT TIE THE ENDS TOGETHER.
3. BLANKET SHALL BE REPLENISHED AS NECESSARY. THE MAXIMUM PERCENTAGE OF SOIL LOSS SHALL BE 10%.
4. VEGETATION SHALL BE RE-PLANTED AS NECESSARY. AND NOT ALLOW TO GROW THROUGHOUT THE BLANKETED AREA. VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM TON COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISAPPEARED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 14 CALENDAR DAYS.
5. CONSECUTIVE REPS SPACED DOWN THE SLOPE MUST BE END OVER END (SHIMBLE STYLE) WITH AN OVERLAP OF APPROXIMATELY 12" WIDTH THROUGHOUT DISAPPEARED AREA, APPROXIMATELY 12" WIDTH ACROSS ENTIRE RECS WIDTH.



2 SILT FENCE DETAIL
SCALE: N.T.S.

1. PERFORM WASH-OUT OF EXISTING CONCRETE IN DESIGNATED CONCRETE WASH-OUT AREA ONLY.
2. DO NOT WASH OUT CONCRETE INTO STORM DRAINS, OPEN STREAMS, STREETS OR OTHER RECEIVING AREAS.
3. DO NOT ALLOW EXCESS CONCRETE TO BE DISPOSED IN ANY MANNER OTHER THAN THE DESIGNATED CONCRETE WASH-OUT AREA.

PREPARED BY:

NEXIUS
 A&E OFFICE
 300 BUCKLE DRIVE, 2ND FLOOR
 CHELSEA, MA 01824

APPLICANT:

verizon
 CELLO PARTNERSHIP 4/9/6
 118 FLANDERS ROAD, 3RD FLOOR
 WESTBOROUGH, MA 01581



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REV	DATE	DESCRIPTION	BY
0	01/19/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/29/22	REVISED PER CSC	JM

SITE NAME:
WOLCOTT_SOUTH_CT

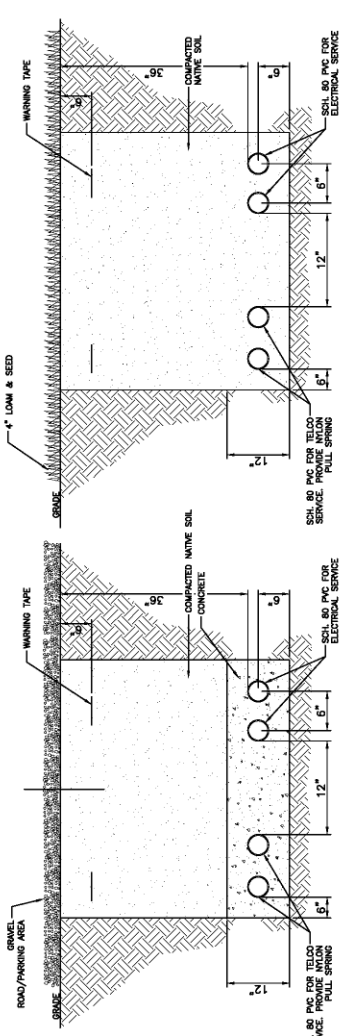
LOCATION CODE:
469036

SITE ADDRESS:
**CHESTNUT HILL ROAD
 WOLCOTT, CT 06716
 NEW HAVEN COUNTY**

SHEET TITLE:
ELECTRICAL NOTES & DETAILS

SHEET NUMBER:
E-1

PROJECT NO. NO. VZ11500
 CHECKED BY: MS
 CHECKED BY DATE: 01/19/22

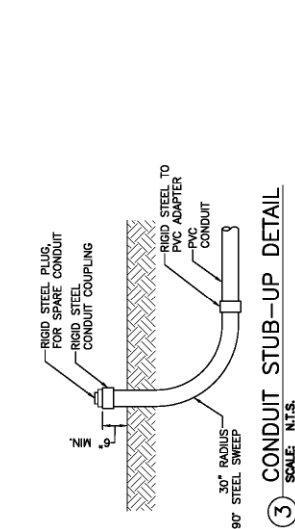


② CONDUIT TRENCH DETAIL
 SCALE: N.T.S.

① CONDUIT TRENCH DETAIL
 SCALE: N.T.S.

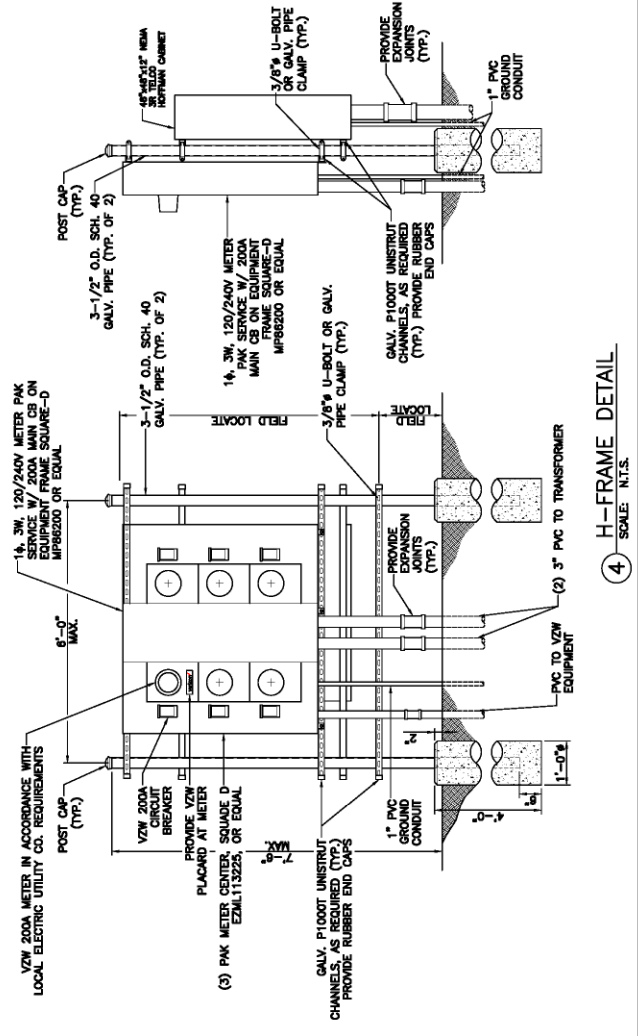
ABBREVIATIONS

A	AMPERE
A.I.C.	AVAILABLE INTERRUPTING CURRENT
A.T.S.	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
C.S.	CORROSION RESISTANT
R.M.C.	RIGID METAL CONDUIT
GND.	GROUND
KWH	KILOWATT HOUR
PH	PHASE
PVC	POLYVINYL CHLORIDE
SCA	AVAILABLE SHORT CIRCUIT CURRENT
TB	THIN BAKE COPPER
TB	THIN BAKE COPPER
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
ILC	INTEGRATED LOAD CENTER



③ CONDUIT STUB-UP DETAIL
 SCALE: N.T.S.

1. SUBMITTALS OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD VERIFICATION.
2. THESE PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. UTILITY SERVICES SHOWN ARE PROPOSED. THE CONTRACTOR SHALL COORDINATE EXACT TELEPHONE AND ELECTRIC SERVICE CONNECTION POINTS, ALL WORKS, INCLUDING ANY EXISTING REQUIREMENTS WITH LOCAL UTILITY COMPANIES.
4. VISIT THE SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCEPTANCE OF EXISTING CONDITIONS INCLUDING PREPARATORY WORK DONE BY OTHERS.
5. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR ALL WORK. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL AND STATE ELECTRICAL CODES, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR TYPE OF MATERIAL. ALL WIRING SHALL BE COPPER. ALL WIRING DEVICES AND EQUIPMENT SHALL BE SPECIFICATION GRADE AND UL LISTED AND SHALL BEAR THE INSPECTION LABEL "I". THERE SHALL BE NO SUCH APPROVAL LABELS ON INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, AND NFPA.
7. ALL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED UNLESS OTHERWISE NOTED. ALL METALLIC CONDUITS SHALL BE PROVIDED WITH BONDING BUSHINGS. THE ENTIRE SYSTEM SHALL BE SOLIDLY GROUNDING USING COMPRESSION-TYPE BONDING CONNECTORS. ALL CONDUITS SHALL BE SET SLOW-TYPE CONDUIT FITTINGS ARE NOT ALLOWED.
8. CONTRACTOR SHALL CARRY OUT THE WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES, AND BY O.S.H.A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS SPECIFIED IN THE NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
9. ELECTRICAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, OBTAIN ELECTRICAL PERMITS AND LICENSES, PAY OBTAIN NECESSARY APPROVALS CHARGES AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
10. THE CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY PERMANENT POWER-UP COSTS SHALL BE PAID BY THE CONTRACTOR.
11. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL LOCAL CONSTRUCTION MANAGERS, COMPANY AND FIELD CONSTRUCTION MANAGER. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY SUPPORTS FOR CONDUIT RUNS ALONG WALL AND CEILING. ALL CONDUITS INSTALLED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS.
12. LOCATION OF TELECONS AND RE-BARS ARE NOT TO BE DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY, OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING STEEL TENDONS.
13. UPON DRILLING HOLES INTO CONCRETE, WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR FOR ANY OTHER PURPOSES, THE CONTRACTOR SHALL UNDERSTOOD THAT TENDONS AND REBARS WILL NOT BE DRILLED INTO, CUT, OR DAMAGED UNDER ANY CIRCUMSTANCES.
14. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH APPLICABLE BUILDING CODES, USING U.L. RATED MATERIALS.
15. PROVIDE "FIRE FLANGE" RATED PENETRATIONS FOR PIPES AND CONDUITS THROUGH RATED WALL



④ H-FRAME DETAIL
 SCALE: N.T.S.

PREPARED BY:

NEXIUS

AME OFFICE
300 APOCALYPSE DRIVE, 2ND FLOOR
CHELSEA, MA 01824

APPLICANT:



CELLO PARTNERSHIP 4/4/6
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REV	DATE	DESCRIPTION	BY
0	01/18/22	CONSTRUCTION DRAWINGS	JM
1	02/09/22	REVISED PER COMMENTS	JM
2	03/14/22	REVISED METER DETAIL	JM
3	04/25/22	REVISED PER CSC	JM

SITE INFO:

SITE NAME:
WOLCOTT_SOUTH_CT
LOCATION CODE:
469936

SITE ADDRESS:
**CHESTNUT HILL ROAD
WOLCOTT, CT 06716
NEW HAVEN COUNTY**

SHEET TITLE:

POWER RISER DIAGRAM

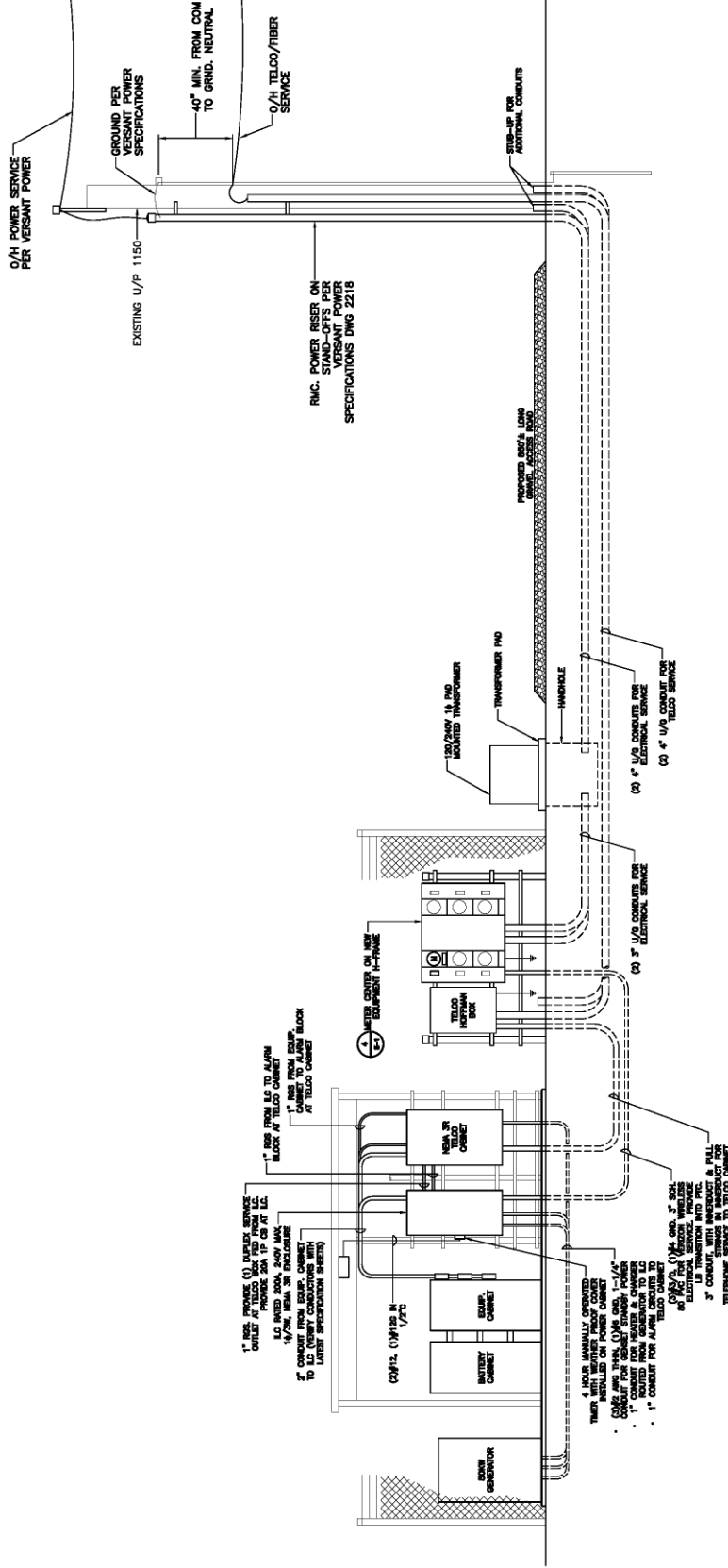
NEXIUS PROJ. NO.:
VZ11509

CHECKED BY:
MS

CHECKED BY DATE:
01/19/22

E-2

CONDUIT EXPANSION JOINTS SHALL BE INSTALLED ON ANY AND ALL CONDUITS ENTERING OR EXITING FROM UNDERGROUND. ANY CONDUIT BELOW ROAD SURFACE TO BE ENCASED CONCRETE.
INSTALL PULL ROPE, WIRE TAPES, OR APPROVED EQUAL AT ALL CONDUITS



NOTE:

- ALL POWER ROUTING SHALL BE COORDINATED WITH THE VZW CONSTRUCTION MANAGER AND THE SITE OWNER OR ELECTRICAL CONTRACTOR. ALL POWER SERVICE MUST BE APPROVED AND COORDINATED WITH THE SITE REPRESENTATIVE AND THE VZW CONSTRUCTION MANAGER.
- ELECTRICAL CONTRACTOR SHALL PLACE IN ACCORDANCE WITH THE NEC THE FOLLOWING SIGNS AT THIS EQUIPMENT:
SIGN AT JLC:
"WARNING: SHOCK HAZARD EXISTS IF GROUNDING ELECTRODE CONDUCTOR OR BONDING JUMPER CONNECTION IN THE EQUIPMENT IS REMOVED WHILE ALTERNATE SOURCE(S) IS ENERGIZED."
SIGN AT SERVICE METER:
"WARNING: A 50KW, 240V SINGLE PHASE STANDBY GENERATOR WITH AN AUTOMATIC TRANSFER SWITCH PROVIDES BACK UP POWER TO THE VERIZON WIRELESS EQUIPMENT."

① POWER RISER DIAGRAM
SCALE: N.T.S.

PREPARED BY:

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CHELSEA, MA 01824

APPLICANT:

verizon

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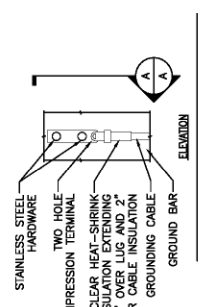
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SITE NAME:
WOLCOTT_SOUTH_CT

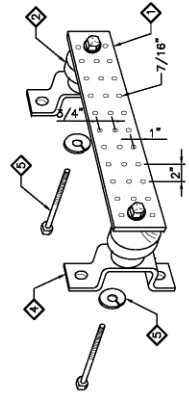
LOCATION CODE:
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SITE ADDRESS:
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WOLCOTT, CT 06716
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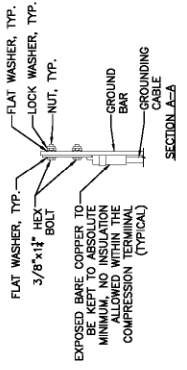
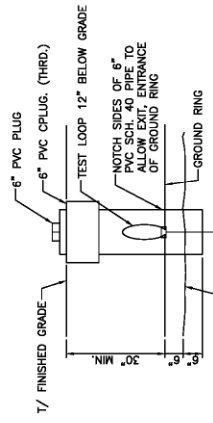
SHEET TITLE:	
GROUNDING DETAILS & NOTES	
NEXIUS PROJ. NO.:	VZ11509
CHECKED BY:	MS
CHECKED BY DATE:	01/19/22
E-3	



① GROUND TEST WELL DETAIL
SCALE: N.T.S.

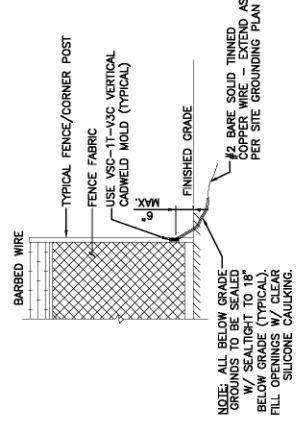


② STANDARD GROUND BAR DETAIL
SCALE: N.T.S.



NOTE:
1. "TOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
3. EGG, LOWER EGG AND MGB.

③ GROUND BAR CONNECTIONS DETAIL
SCALE: N.T.S.



④ GROUND BAR CONNECTIONS DETAIL
SCALE: N.T.S.

GROUNDING NOTES

- ALL ELECTRICAL AND GROUNDING AT THE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, (NEC) NFPA 70, (NATIONAL FIRE PROTECTION ASSOCIATION).
- ALL GROUND WIRE SHALL BE INSULATED GREEN COPPER #2 AWG UNLESS OTHERWISE NOTED.
- ALL GROUND WIRES SHALL PROVIDE A STRAIGHT, DOWNWARD PATH TO GROUND WITH GRADUAL BENDS AS REQUIRED. GROUND WIRES SHALL NOT BE LOOPED OR SHARPLY BENT.
- ELECTRICAL CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING GROUND ELECTRODE WITH SITE CONSTRUCTION MANAGER.
- IF EQUIPMENT CABINET SHALL BE CONNECTED TO THE MASTER ISOLATION GROUND BAR (MGB) WITH #2 AWG INSULATED STRANDED COPPER WIRE. EQUIPMENT CABINETS SHALL EACH HAVE (2) CONNECTIONS, UNLESS NOTED OTHERWISE.
- PROVIDE DEDICATED #2 AWG COPPER GROUND WIRE FROM EACH ANTENNA PIPES PER SECTOR).
- ANTENNA GROUND KITS SHALL BE FURNISHED BY VZW AND INSTALLED BY ELECTRICAL CONTRACTOR.
- THE GROUND SYSTEM SHALL BE TESTED AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS.
- ALL RECEPTACLES AND EQUIPMENT CIRCUITS SHALL BE GROUNDING USING A FULL-SIZE EQUIPMENT GROUNDING CONDUCTOR RUN WITH THE CURRENT CONDUCTORS
- ALL #6 STRANDED COPPER WITH GREEN INSULATION TO BE ATTACHED WITH CRIMPED DOUBLE LUG BOLTED ATTACHED WITH CAO PLATED BOLTS AND STAR WASHERS (TYPICAL). NO OX-GREASE
- IF THE AC PANEL IN THE POWER CABINET IS WIRED AS SERVICE ENTRANCE THE AC SERVICE GROUND CONDUCTOR SHALL BE CONNECTED TO THE GROUND ELECTRODE SYSTEM. WHEN THE AC PANEL IN THE POWER CABINET IS CONSIDERED A SUB-PANEL, THE GROUND WIRE SHALL BE INSTALLED IN THE AC POWER CONDUIT. THE INSULATION SHALL BE PER LOCAL AND NATIONAL ELECTRIC CODE (NFPA-70)
- EXOTHERMIC WELDING IS RECOMMENDED FOR GROUNDING CONNECTION WHERE PRACTICAL. OTHERWISE, THE CONNECTION SHALL BE MADE USING CRIMPING. ALL WIRE CONNECTIONS SHALL BE MADE USING 100% "C" CLAMP. COPPER CABLES SHALL BE COATED WITH ANTI-OXIDANT (COPPER SHIELD) BEFORE MAKING THE CRIMP CONNECTIONS. THE MANUFACTURER'S TORQUING RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS ARE TO BE FOLLOWED.
- THE ANTENNA CABLES SHALL BE GROUNDING AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTNING PROTECTION. THE ANTENNA CABLE SHIELD SHALL BE BONDED TO A COPPER GROUND BUS AT THE TOP AND BOTTOM OF THE VERTICAL RUN. THE COPPER GROUND BUS TO BE BONDED TO THE HORIZONTAL PLANE. WIRE RUNS TO GROUND SHALL BE KEPT AS STRAIGHT AND SHORT AS POSSIBLE. THE ANTENNA CABLE SHIELD SHALL BE GROUNDING JUST BEFORE ENTERING THE MANICELL. ANY ANTENNA CABLES OVER 200 FEET IN LENGTH SHALL ALSO BE EQUIPPED WITH ADDITIONAL GROUNDING AT MID-POINT.
- THE MASTER GROUND BUS (MGB) SHALL BE MADE OF BARE 1/4"x4" COPPER (FOR OUTDOOR APPLICATIONS. IT SHALL BE TINNED COPPER) AND LARGE ENOUGH TO ACCOMMODATE THE REQUIRED NUMBER OF GROUNDING CONNECTIONS. THE MGB SHALL BE SECURELY BONDED TO THE STRUCTURE. INSULATE THE MGB FROM ANY STRUCTURE TO WHICH IT IS FASTENED.
- GROUND CONNECTIONS: CLEAN SURFACES THOROUGHLY BEFORE APPLYING GALVANIZING. GALVANIZING SHALL BE APPLIED TO ALL SURFACES TO BE REMOVED DOWN TO THE BARE METAL. AFTER THE COATING HAS BEEN REMOVED, APPLY A NON-CORROSIVE APPROVED COMPOUND TO THE CLEANED SURFACE AND INSTALL LUGS OR CLAMPS. WHERE GALVANIZING IS NOT APPLIED TO THE METAL, IT SHALL BE PAINTED OR TOUCHED UP WITH "GALVANOKIT" OR EQUIV.

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APPLICANT:

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LOCATION CODE:
489936

SITE ADDRESS:
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WOLCOTT, CT 06716
NEW HAVEN COUNTY

SHEET TITLE:
GROUNDING PLAN
DETAILS & NOTES

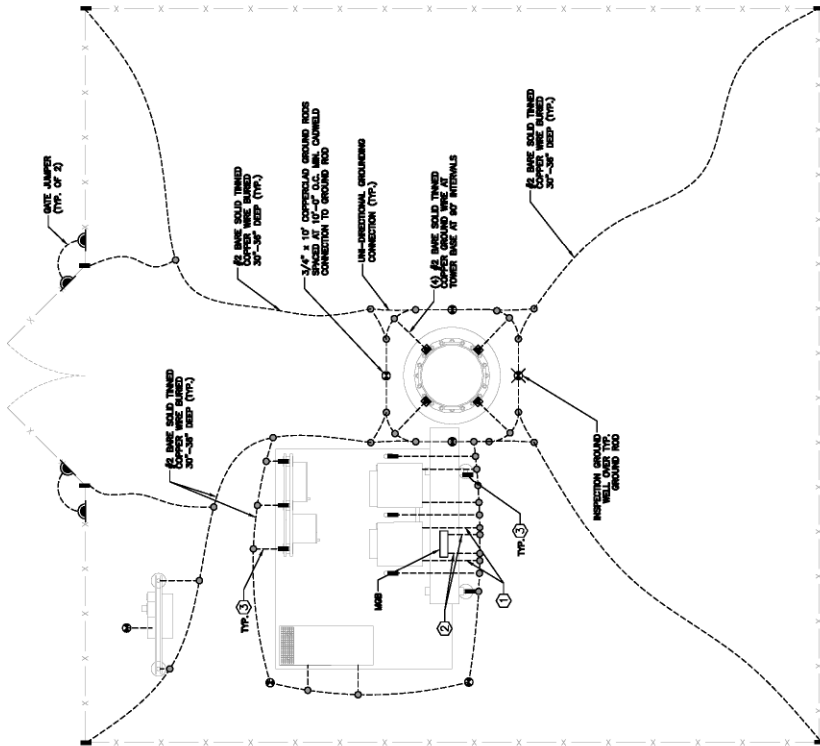
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DATE: 01/19/22

E-4

LEGEND

- ⊕ 3/4" x 10" COPPER/CLAD GROUND ROD SPACED AT 10' MIN. CADWELD CONNECTION TO GROUND ROD
- VERTICAL CADWELD MOLD
- CADWELD CONNECTION
- ⊕ INSPECTION WELL SEE DETAIL DWG
- ⊕ CADWELD CONNECTION TO TOWER (TYP. OF 4 AT 90° INTERVALS)

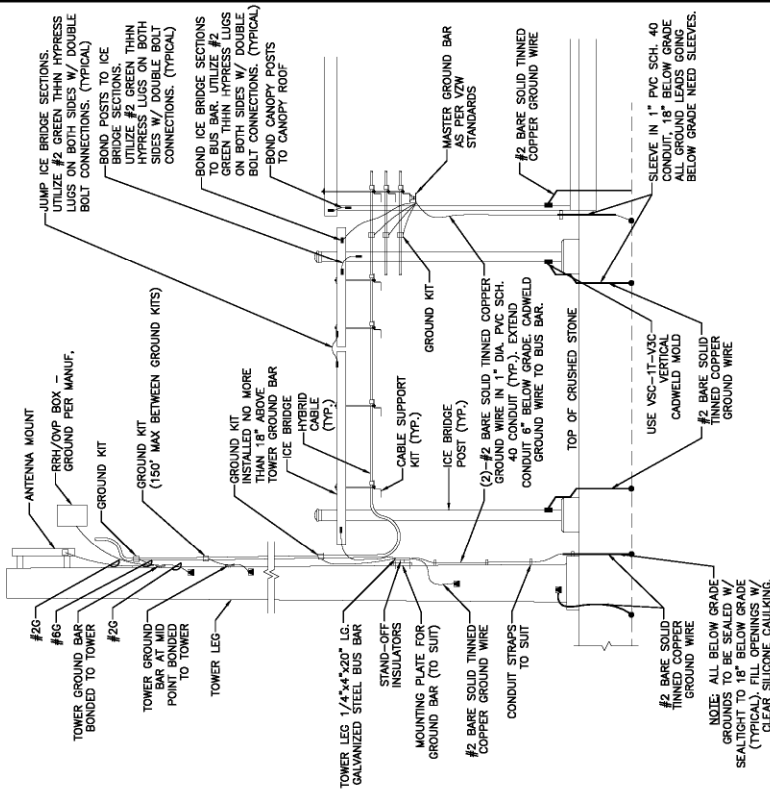
- NOTES**
- ALL ENDS OF CONDUIT SHALL BE SEALED WITH A FOAM SEALANT AFTER WIRES AND CABLES ARE INSTALLED.
 - ALL EQUIPMENT GROUND LEADS, CORNER GROUNDS, EXTERIOR GROUND BAR, TO BE #2 TINNED SOLID TO GROUND RING.
 - IF EXISTING GROUND RING IS ACCIDENTALLY BROKEN DURING CONSTRUCTION IT SHALL BE RECONNECTED VIA CADWELD.



1 GROUNDING PLAN
SCALE: N.T.S.

GROUNDING CONNECTIONS

- EQUIPMENT CABINET GROUND WIRE, #2 BARE COPPER, FASTENED TO CONCRETE PAD.
- MASTER BUS BAR, (2) #2 BARE SOLID TINNED COPPER GROUND WIRE.
- ICE BRIDGE POST, #2 BARE SOLID TINNED COPPER GROUND WIRE.
- INTERIOR TELCO CABINET EGB, #2 BARE SOLID TINNED COPPER GROUND WIRE.
- MAIN DISCONNECT SWITCH GROUND #2 BARE TINNED COPPER GROUND WIRE.



NOTES:

- CONTRACTOR SHALL ADD ADDITIONAL GROUND RODS & CABLES TO ACHIEVE LESS THAN 5 OHMS RESISTANCE TO GROUND.
- MAXIMUM VERTICAL/HORIZONTAL DISTANCE BETWEEN CABLE GROUNDING KITS SHALL NOT EXCEED 150 FEET. INSTALL ADDITIONAL KITS AS REQUIRED BY FIELD CONDITIONS.
- GROUND ALL EQUIPMENT AT ANTENNAS AS REQUIRED BY MANUFACTURER.

2 GROUNDING RISER DIAGRAM
SCALE: N.T.S.