

IN RE:
ECO-SITE, INC. CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY AND
PUBLIC NEED FOR THE CONSTRUCTION,
MAINTENANCE, AND OPERATION OF A
TELECOMMUNICATIONS FACILITY LOCATED
AT 63 WOODLAND STREET, GLASTONBURY,
CONNECTICUT.

DOCKET NO. 478

November 30, 2018

**RESPONSES TO SITING COUNCIL DEVELOPMENT and MANAGEMENT PLAN
INTERROGATORIES**

- Q1. D&M Plan Sheets C-2 & C-3 have a vernal pool construction restriction. Identify the location of the vernal pool. Also the Town of Somers is mentioned on these plans as well as on Sheet T-1. Please clarify.
- A1. *This note was added in error for this site. The notes that were added were intended for another site – Somers Docket 476. In the enclosed updated drawings, the notes on C-2 and C-3 have been removed from the drawing set. The Town of Somers on Sheet T-1 was corrected.*
- Q2. D&M Plan Sheets C-2 & C-3 state the final utility method is to be determined. When will this determination be made?
- A2. *The team met with the utility company and finalized the route and methodology of the utilities. As shown in the enclosed updated drawings, utilities will be installed completely underground (without a transition to face mounted on the retaining wall) and will be installed within the travel-way of the driveway in areas where the retaining wall is proposed.*
- Q3. If utilities are to be installed underground, provide more detail as to the locations where the utility trench will have to be installed within the travel surface of the existing road to avoid culverts.
- A3. *Detail 2 on Sheet E-2 of the enclosed updated drawings shows where the utilities will be routed along the existing farm drive.*
- Q4. Referring to D&M Plan Sheets C-6, Detail 5, shows the conduit attached to the retaining wall. At what height will the conduit be mounted on the wall? Is this height sufficient to avoid potential impacts from stormwater flows in the swale at the base of the wall?
- A4. *Since the installation of the utility conduits is now completely underground, this detail was removed from the drawing set.*
- Q5. Provide detail as to the route of the conduit once it reaches the south end of the retaining wall.

- A5. *Since the installation of the utility conduits is now completely underground, this additional detail is not need.*
- Q6. Provide a cross section detail of the upper and lower portions of the proposed swales that extend along the new portion of the compound access drive. Include the location of underground conduit, if applicable.
- A6. *Please see Detail 5 on Sheet C6 of the enclosed updated drawings.*
- Q7. D&M Plan Sheets C-2 & C-3 list hours of construction as dawn to dusk and from 8 AM to 6 PM. Please clarify. What days of the week will construction occur?
- A7. *This note is added in error for this site. The notes that were added were intended for another site – Somers Docket 476. The notes on C-2 an C-3 were removed from the drawing set.*
- Q8. The D&M Plan depicts a 10-foot extension to accommodate the Town's equipment at the top. When would the 10-foot extension be added onto the 150-foot tower? At what time would a new filing be made to the Federal Aviation Administration for a taller tower at this location?
- A8. *The 10' extension depicted is not part of this application. It is to depict where the town's emergency communication equipment would need to be installed on the tower and what it would look like for both options. The town would need to make an application to Eco-Site for the extension at which time Eco-Site would make all required Regulatory filings.*
- Q9. The emergency generator specified is different than what was initially contemplated. Is the emergency generator for shared-use? If so, how many carriers can be accommodated. What is the fuel source of the generator? Is T-Mobile or EcoSite responsible for maintaining the generator?
- A9. *The emergency generator is for T-Mobile's use only. The fuel source for this generator is diesel per T-Mobile's latest standards. Detail 1 on Sheet C12 of the enclosed drawings depicts the dimensional characteristics of this generator.*

CERTIFICATION OF SERVICE

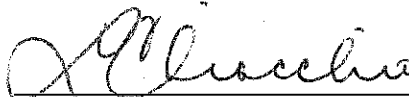
I hereby certify that on this 30th day of November 2018, fifteen (15) copies of the foregoing was sent electronically and by overnight delivery to the Connecticut Siting Council, with a copy to:

Richard J. Johnson
Town Manager
Town of Glastonbury
2155 Main Street
P.O. Box 6523
Glastonbury, CT 06033-6523
(860) 652-7500
richard.johnson@glastonbury-ct.org

Paul Cervanna
Property Owner
63 Woodland Street
Glastonbury, CT 06033

Dated: _____

11/30/18



Cuddy & Feder LLP
45 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Attorneys for:
Eco-Site, Inc.

811
 Know what's below.
 Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN MASSACHUSETTS, CALL DIG SAFE SYSTEM, INC.
 TOLL FREE: 1-888-344-7233 OR www.digsafe.com
 MASSACHUSETTS STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

Eco-Site

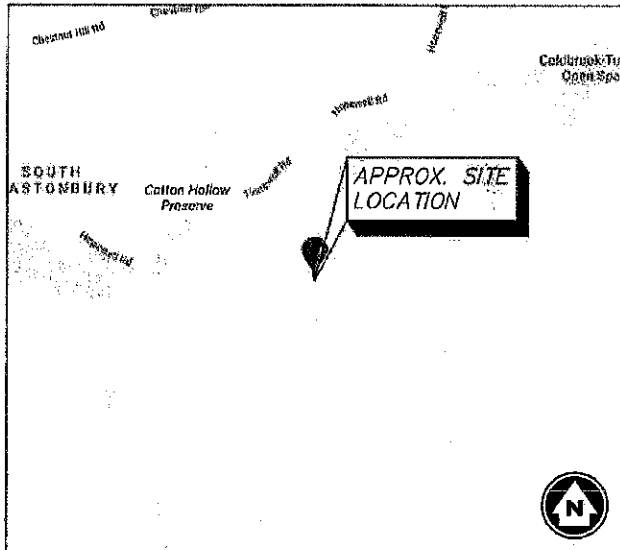
240 LEIGH FARM ROAD, SUITE 415
 DURHAM, NC 27707

DEVELOPMENT & MANAGEMENT PLAN DOCKET No.: 478 ECO-SITE: GLASTONBURY CT-0007A T-MOBILE: CTHA026A

SITE ADDRESS:
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06073
 TOLLAND COUNTY

LATITUDE: 41° 39' 38.9" N
 LONGITUDE: 72° 34' 26.8" W
 ELEVATION: 319' AMSL

TAX/PIN #: G11/7800/W0002 PID: 1451
 ZONING: RURAL RESIDENCE - AGRICULTURAL USE



- VICINITY MAP**
1. HEAD WEST ON COTTON HOLLOW RD TOWARD CT-17 S
 2. TURN RIGHT ONTO CT-17 N
 3. TURN RIGHT ONTO HOPEWELL RD
 4. TURN RIGHT ONTO WOODLAND ST

DRIVING DIRECTIONS

CONSTRUCTION OF TELECOMMUNICATION AND PUBLIC UTILITY FACILITY, CONSISTING OF A MONOPOLE TOWER, SPACE FOR CARRIER EQUIPMENT AND A UTILITY BACKBOARD WITHIN A FENCED COMPOUND. NO WATER OR SEWER IS REQUIRED.

PROJECT SUMMARY

DEVELOPER:
 ECO-SITE
 240 LEIGH FARM ROAD, SUITE 415
 DURHAM, NC 27707
 (919) 636-6810
 ATTN:

POWER COMPANY:
 EVERSOURCE
 107 SELDON STREET
 BERLIN MA, 08037
 (800) 286-2000
 ATTN: CUSTOMER SERVICE

TELEPHONE COMPANY:
 TBD
 (800) XXX-XXXX
 ATTN: CUSTOMER SERVICE

PROPERTY OWNER:
 PAUL CAVANNA
 80 WOODLAND STREET
 GLASTONBURY, CT 06073

PROJECT SUMMARY

DRWG. #	TITLE	REV.#	DATE
T1	TITLE SHEET	4	11/28/18
C1	GENERAL NOTES & LEGEND	4	11/28/18
C2	OVERALL SITE PLAN	4	11/28/18
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C6	CIVIL DETAILS	4	11/28/18
C7	UTILITY RACK DETAIL	4	11/28/18
C8	T-MOBILE EQUIPMENT DETAILS	4	11/28/18
C9	T-MOBILE EQUIPMENT DETAILS	4	11/28/18
C10	ICE BRIDGE DETAILS	4	11/28/18
C11	GENERATOR BLOCK DIAGRAM	4	11/28/18
C12	GENERATOR DETAILS	4	11/28/18
C13	SITE SIGNAGE DETAILS	4	11/28/18
C14	RETAINING WALL DETAILS	4	11/28/18
C15	RETAINING WALL DETAILS	4	11/28/18
C16	RETAINING WALL DETAILS	4	11/28/18
EC1	GRADING & EROSION SEDIMENT CONTROL NOTES & DETAILS	4	11/28/18
EC2	GRADING PLAN	4	11/28/18
EC3	GRADING PLAN CONT'D	4	11/28/18
EC4	GRADING PLAN CONT'D	4	11/28/18
E1	OVERALL UTILITY PLAN	4	11/28/18
E2	OVERALL ROUTING DETAILS	4	11/28/18

DRAWING INDEX

TOWN OF GLASTONBURY:
 2155 MAIN STREET
 GLASTONBURY, CT 06073
 (860) 763-8201

PERMIT INFORMATION

INFINIGY
 1033 Watervliet Shaker Road | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com

STATE OF CONNECTICUT
 JOHN S. STEVENS
 PROFESSIONAL ENGINEER
 License No. 20018
 EXPIRES 12/31/2021

4 REVISED FOR PERMIT 11/28/18
 3 REVISED FOR COMMENT 10/22/18
 2 REVISED PER COMMENT 10/16/18
 1 REVISED PER COMMENT 09/24/18
 0 ISSUED FOR PERMIT 08/28/18

Drawn: SB Date: 09/20/18
 Designed: AJ Date: 08/28/18
 Checked: AP Date: 08/28/18

Project Number: 502-000

Project Title: GLASTONBURY CT-0007A

63-80 WOODLAND STREET
 GLASTONBURY, CT 06073

Prepared For: Eco-Site

Drawing Title: TITLE SHEET

Drawing Scale: CD
 Date: 11/28/18

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Drawing Number: T1

GENERAL NOTES

- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE APPROVAL.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS. REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIALS, LITTER, AND ALL FOREIGN SUBSTANCES. REMOVE PETRO-CHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS TO A SMOOTH EVEN-TEXTURED SURFACE.
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-922-4455.
- THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
- THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO, THE BUILDING PERMIT, INSPECTIONS, CERTIFICATES, ETC.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR.
- ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE OSHA REGULATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
- ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
- MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OR OWNER'S REPRESENTATIVE ON THE DRAWINGS.
- CONTRACTOR SHALL GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE EQUIPMENT PAD AND THE TOWER.
- ALL IMPROVEMENTS TO CONFORM WITH LOCAL JURISDICTION CONSTRUCTION STANDARDS AND SPECIFICATIONS, LATEST EDITION.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- ALL INTERIOR STRUCTURAL STEEL USED SHALL BE, WHEN DELIVERED, FINISHED WITH ONE COAT FABRICATOR'S NON-LEAD, RED OXIDE PRIMER. PRIMING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, AND WELDS IN THE PRIMED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- ALL EXTERIOR STEEL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIFICATION ASTM A36 UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, AND WELDS IN THE GALVANIZED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- CONNECTIONS:
 - ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.
 - BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4" DIA) AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
 - NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. GALVANIZED ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
 - CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.

DESIGN DATA

- WIND LOADS: PER EJA/TIA G-222
ICE LOADS: 1/2" RADIAL ON ALL COMPONENTS & CABLE
SNOW LOAD: PER CT STATE BLDG. CODE.
SEISMIC LOADS: PER CT STATE BLDG CODE.

CONCRETE NOTES

- DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE";
- MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE NORMAL WEIGHT, 6% AIR ENTRAINED (±1.5%) WITH A MAXIMUM 4" SLUMP, AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
- MAXIMUM AGGREGATE SIZE SHALL BE 1".
- THE FOLLOWING MATERIALS SHALL BE USED:

PORTLAND CEMENT:	ASTM C 150, TYPE I
REINFORCEMENT:	ASTM A 185
NORMAL WEIGHT AGGREGATE:	ASTM C 33
WATER:	DRINKABLE
ADMIXTURES:	NON-CHLORIDE CONTAINING
- REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

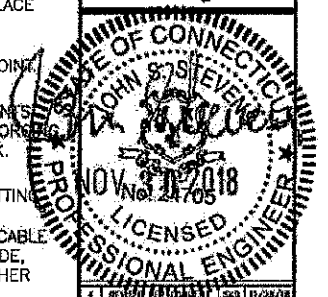
CONCRETE CAST AGAINST EARTH.....	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2 IN.
#5 AND SMALLER & WWF	1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	
SLAB AND WALL	3/4 IN.
BEAMS AND COLUMNS	1 1/2 IN.

- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.
- CURING COMPOUNDS SHALL CONFORM TO ASTM C-309.
- ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301.
- DO NOT WELD OR TACKWELD REINFORCING STEEL.
- ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINTS.
- REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
- PLACE CONCRETE IN A UNIFORM MANNER TO PREVENT THE FORMATION OF COLD JOINTS AND OTHER PLANES OF WEAKNESS. VIBRATE THE CONCRETE TO FULLY EMBED REINFORCEMENT. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE THROUGH CHUTES OR FORMWORK.
- DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
- DO NOT ALLOW CONCRETE SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 14 DAYS AFTER PLACEMENT.
- FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS MINIMUM.

CIVIL LEGEND

EXISTING		PROPOSED
UNDERGROUND ELECTRIC	FENCE	UNDERGROUND ELECTRIC
UNDERGROUND TELEPHONE		UNDERGROUND TELEPHONE
OVERHEAD WIRES	OVERHEAD TELEPHONE	OVERHEAD ELECTRIC
250	5' OR 10' CONTOUR LINE	250
202	1' OR 2' CONTOUR LINE	202
120.5 OR 120.5	SPOT ELEVATION	120.5 OR 120.5
	PRIMARY PROPERTY OR R.O.W.	
	LEASE LINE	
	EASEMENT	
	UTILITY POLE	
	TELEPHONE PEDESTAL	
	CURB	
	ASPHALT PAVEMENT	
	BUILDING	
	TREES, SHRUBS, BUSHES	
	REPRESENTS DETAIL NUMBER	
	REF. DRAWING NUMBER	

INFINIGY
 1033 WaterVillet Shaker Road | Albany, NY 12205
 Phone: 518-690-0790 | Fax: 518-690-0793
 www.infinigy.com



4	REVISED PER COMMENT	SRB	11/24/16
3	REVISED PER COMMENT	SRB	10/12/16
2	REVISED PER COMMENT	SRB	10/09/16
1	REVISED PER COMMENT	SRB	09/24/16
0	ISSUED FOR PERMIT	SRB	08/29/16

Drawing: SRB Date: 08/29/16
 Designed: A.B. Date: 09/29/16
 Checked: A.B. Date: 08/28/16

Project Number: 502-000
 Project Title: GLASTONBURY

CT-0007A
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06033

Prepared For:

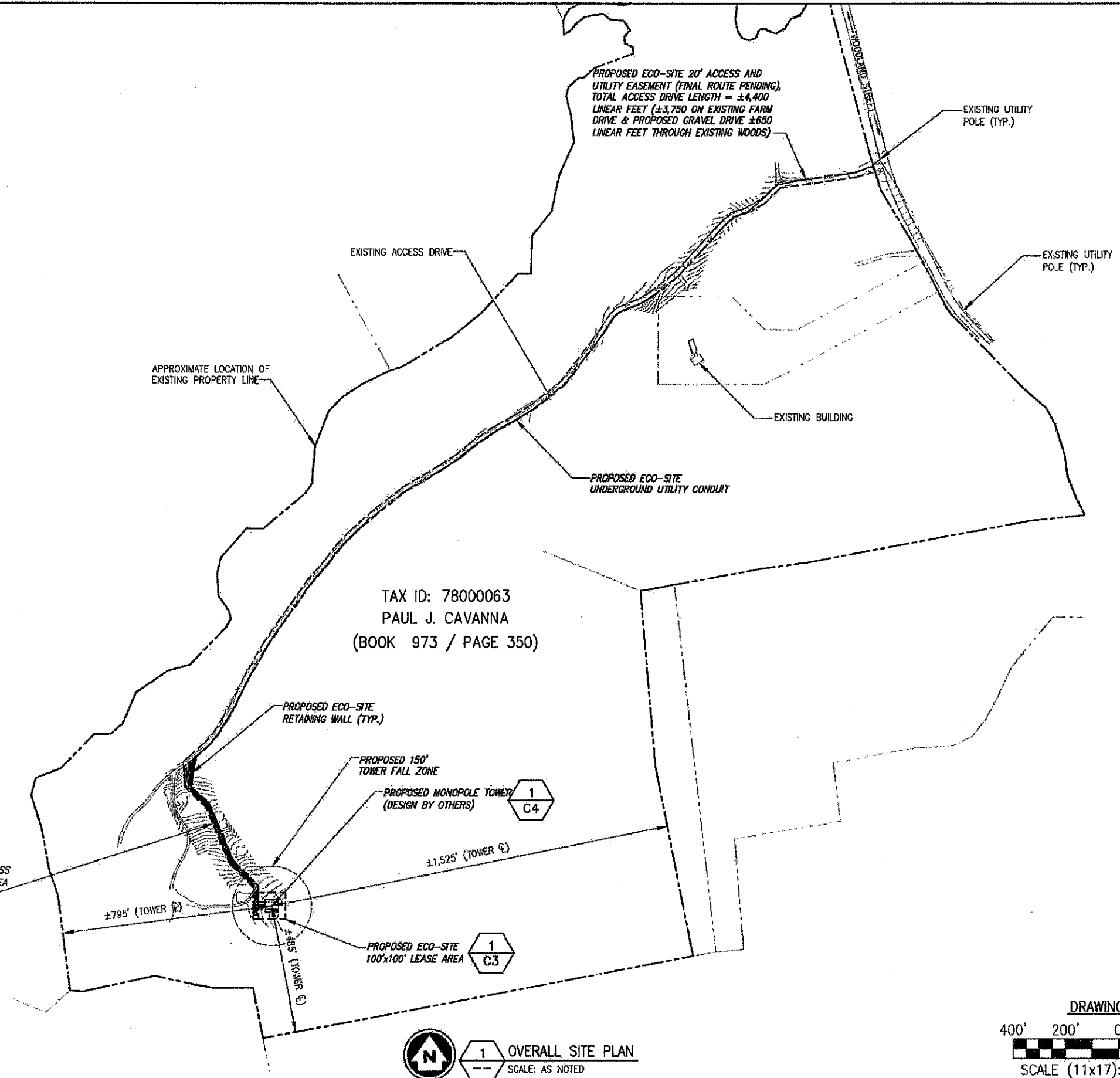
Drawing Title:
 GENERAL NOTES & LEGEND

Drawing Scale:
 Date: 11/28/16
CD

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Drawing Number:
C1

NOTE:
ROUTE OF UTILITY IS TO FOLLOW ACCESS EASEMENT
UNLESS OTHERWISE DIRECTED BY UTILITY COMPANY



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STATE OF CONNECTICUT
JOHN S. STEVENSON
PROFESSIONAL ENGINEER
LICENSED
NOV 20 2018

4	REVISED PER COMMENT	SKB	11/29/18
3	REVISED PER COMMENT	SKB	10/12/18
2	REVISED PER COMMENT	SKB	10/05/18
1	REVISED PER COMMENT	SKB	09/24/18
0	ISSUED FOR PERMIT	SKB	08/20/18

Drawn: SKB Date: 08/20/18
Designed: AJB Date: 08/20/18
Checked: AJB Date: 08/20/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A
83-80 WOODLAND STREET
GLASTONBURY, CT 06033

Prepared For:
Eco-Site

Drawing Title:
OVERALL SITE PLAN

Drawing Scale:
Date: 11/28/18
CD

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAWS

Drawing Number:
C2

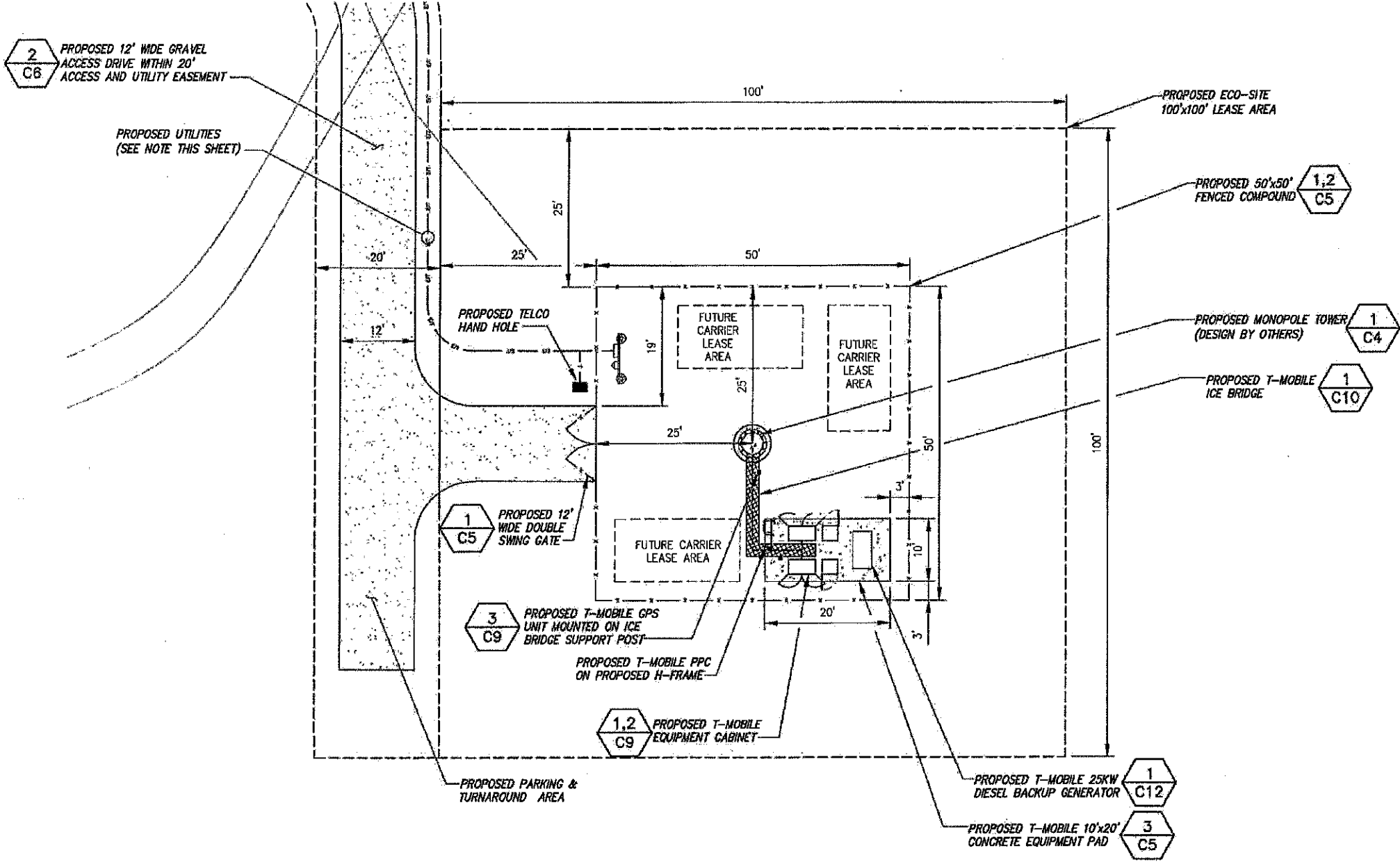
BASEMAPPING INFORMATION BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY INFINIGY ENGINEERING ON 5/17/16 AND SURVEY COMPLETED BY CLIMAX DEVELOPMENT OF W.N.Y. TITLED "GLASTONBURY", DATED 6/14/16.

1 OVERALL SITE PLAN
SCALE: AS NOTED

APPROX. NORTH

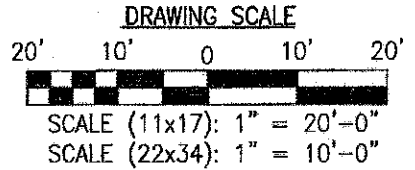
DRAWING SCALE
400' 200' 0 200' 400'
SCALE (11x17): 1" = 400'-0"
SCALE (22x34): 1" = 200'-0"

NOTE:
ROUTE OF UTILITY IS TO FOLLOW ACCESS EASEMENT
UNLESS OTHERWISE DIRECTED BY UTILITY COMPANY



CALLLED NORTH

1 ENLARGED SITE LAYOUT
SCALE: AS NOTED



BASEMAPPING INFORMATION BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY INFINGY ENGINEERING ON 5/17/16 AND SURVEY COMPLETED BY CLIMAX DEVELOPMENT OF W.N.Y. TITLED "GLASTONBURY", DATED 6/14/16.

INFINGY
1033 Watervliet Shaker Road | Albany, NY 12205
Phone: 518-450-0790 | Fax: 518-450-0793
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No.	Submital / Revision	App'd	Date
1	REVISED PER COMMENT	SKS	11/24/18
3	REVISED PER COMMENT	SKS	10/12/18
2	REVISED PER COMMENT	SKS	10/26/18
1	REVISED PER COMMENT	SKS	09/21/18
0	ISSUED FOR PERMIT	SKS	08/16/18

Drawn: SKS Date: 08/29/18
Designed: AM Date: 08/29/18
Checked: AS Date: 08/30/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
ENLARGED
SITE LAYOUT

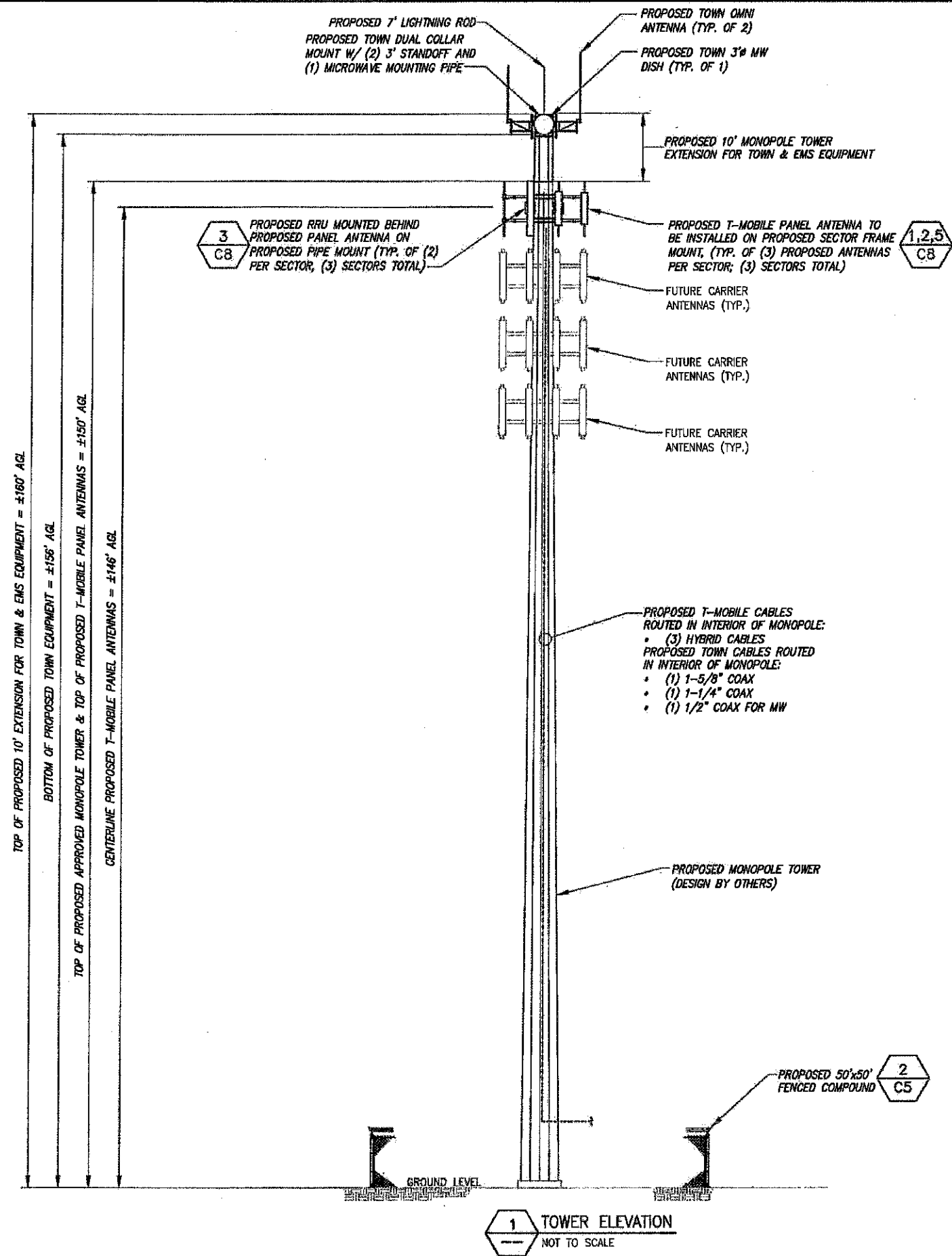
Drawing Scale:
CD

Date:
11/22/18

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Drawing Number:
C3

INFINIGY ENGINEERING ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED TOWER INSTALLATION. A STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO START OF CONSTRUCTION.



1 TOWER ELEVATION
 NOT TO SCALE

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4	REVISED PER COMMENT	SKB	11/26/18
3	REVISED PER COMMENT	SKB	10/12/18
2	REVISED PER COMMENT	SKB	10/05/18
1	REVISED PER COMMENT	SKB	09/24/18
0	ISSUED FOR PERMIT	SKB	08/30/18
Rev.	Revised/Revised	App'd	Date

Drawn: SKB Date: 08/30/18
 Designed: A.B. Date: 08/30/18
 Checked: A.B. Date: 08/30/18

Project Number: 502-000
 Project Title: GLASTONBURY
 CT-0007A
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06073

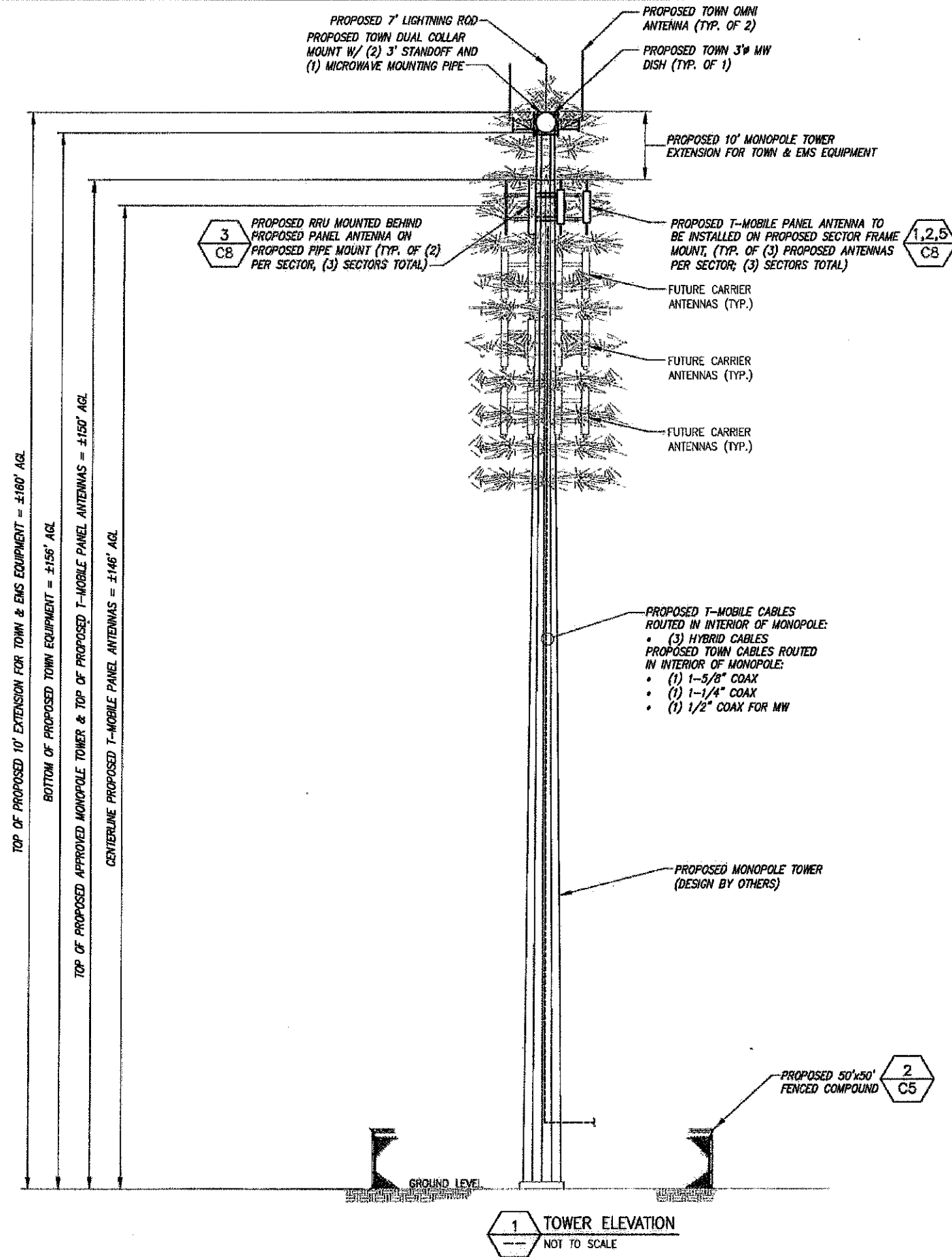
Prepared For:
Eco-Site

Drawing Title:
 TOWER ELEVATION
 OPTION 1

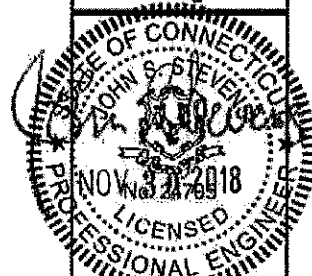
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 11/28/18

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C4

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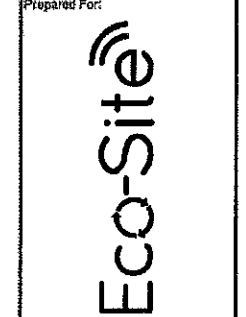
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No.	Submitted / Revision	App'd	Date
4	REVISED PER COMMENT	SKB	11/20/18
3	REVISED PER COMMENT	SKB	10/22/18
2	REVISED PER COMMENT	SKB	10/09/18
1	REVISED PER COMMENT	SKB	09/24/18
0	ISSUED FOR PERMIT	SKB	08/15/18

Drawn: SKB Date: 08/15/18
 Assigned: ASB Date: 08/30/18
 Checked: ASB Date: 08/30/18

Project Number: 502-000
 Project Title: GLASTONBURY CT-0007A
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06073



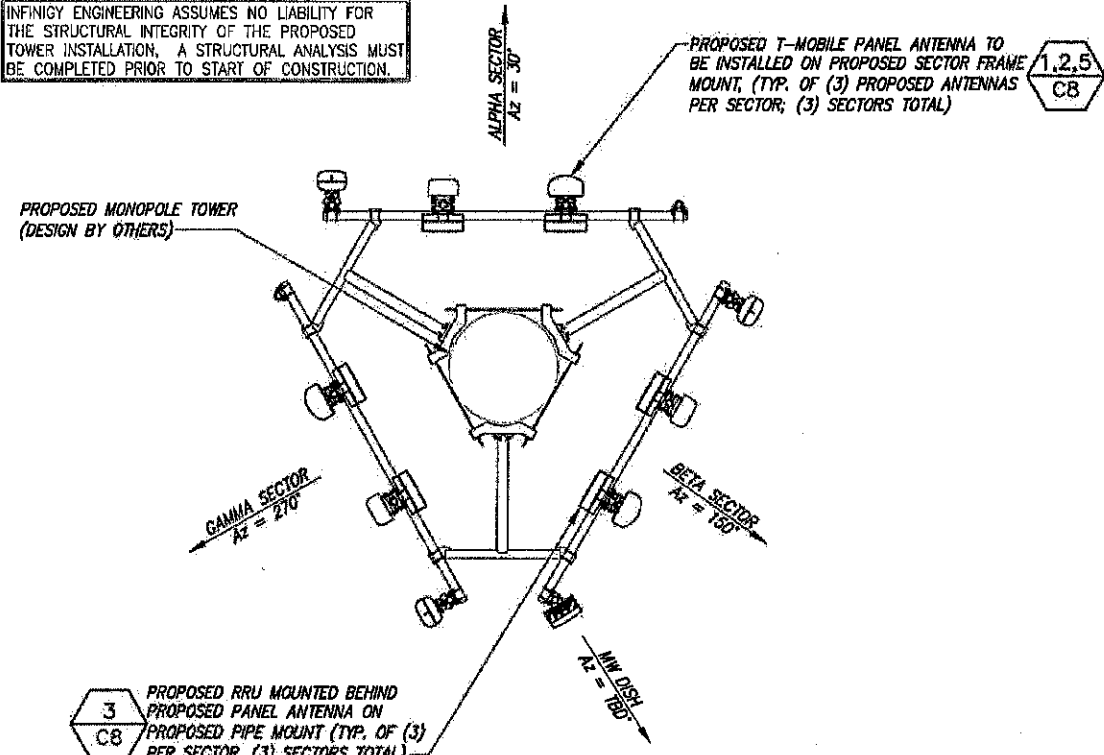
Drawing Title: TOWER ELEVATION OPTION 2

Drawing Scale: CD
 Date: 11/28/18

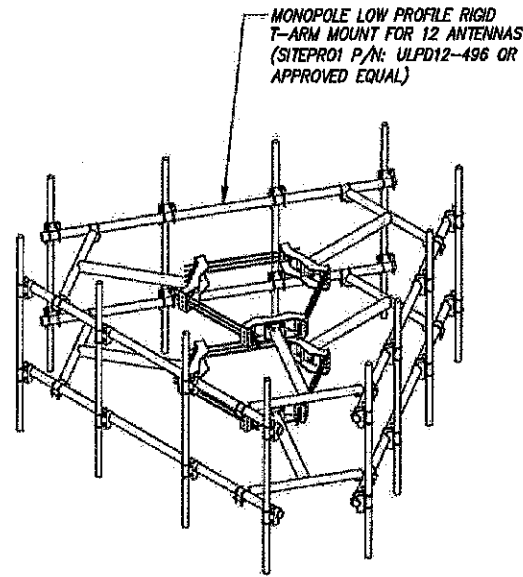
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Drawing Number: C4A

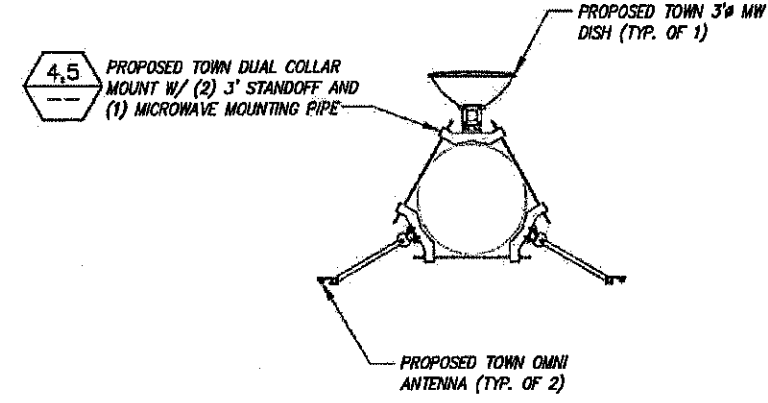
INFINIGY ENGINEERING ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED TOWER INSTALLATION. A STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO START OF CONSTRUCTION.



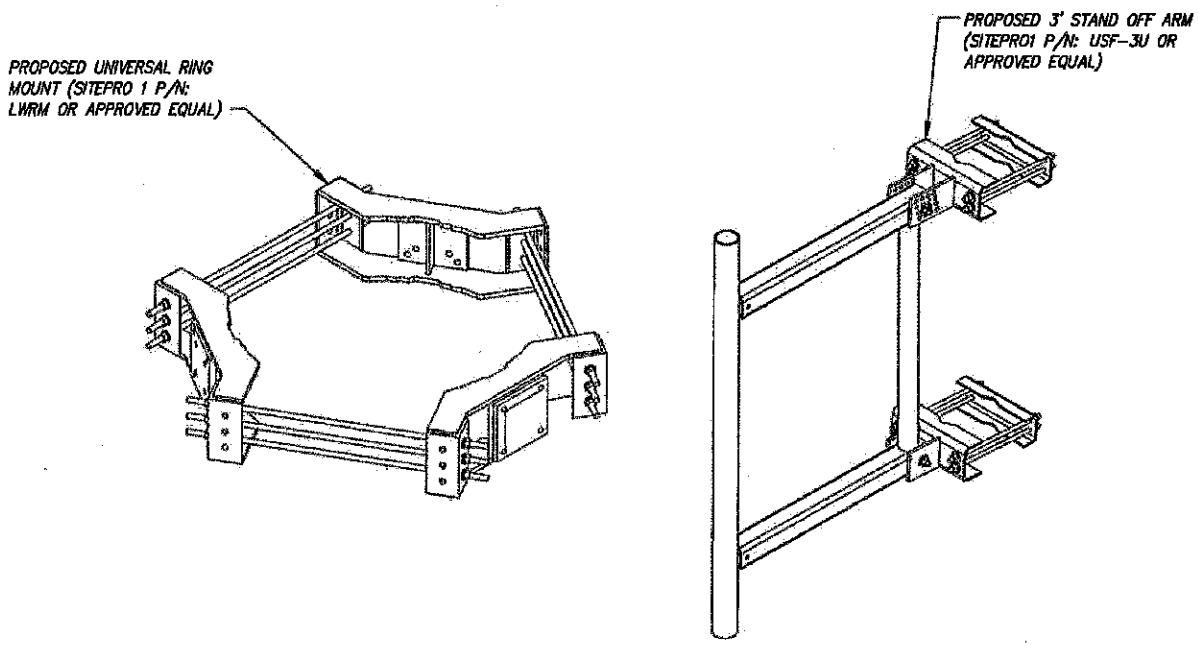
1 ANTENNA ORIENTATION PLAN (@ ±146' AGL)
NOT TO SCALE



2 ANTENNA FRAME DETAIL (@ ±146' AGL)
NOT TO SCALE



3 ANTENNA ORIENTATION PLAN (@ ±156' AGL)
NOT TO SCALE



4 COLLAR MOUNT DETAIL
NOT TO SCALE

5 STAND OFF ARM DETAIL
NOT TO SCALE

ANTENNA AND RRU SCHEDULE									
SECTOR	ANTENNA POSITION	ANTENNA MAKE	ANTENNA MODEL	RAD. CTR. FT. AGL	AZIMUTH	RRU/ODU	E-TILT	M-TILT	CABLE
ALPHA	#1	ERICSSON	AIR32 KRD901146-1	150'-0"	30°	---	2' (L2100) 2' (L1900)	0°	(1) 6X12 HYBRID (SHARED BY ALPHA)
	#2	ANDREW	LNX-8515DS-A1M	150'-0"	30°	ERICSSON RRUS-11 B12	2' (L700)	0°	(1) 6X12 HYBRID (SHARED BY ALPHA)
	#3	RFS	APX16DW-16DW-S-E-A20	150'-0"	30°	ERICSSON RRUS-11 B4	2' (U2100)	0°	(1) 6X12 HYBRID (SHARED BY ALPHA)
BETA	#1	ERICSSON	AIR32 KRD901146-1	150'-0"	150°	---	2' (L2100) 2' (L1900)	0°	(1) 6X12 HYBRID (SHARED BY BETA)
	#2	ANDREW	LNX-8515DS-A1M	150'-0"	150°	ERICSSON RRUS-11 B12	2' (L700)	0°	(1) 6X12 HYBRID (SHARED BY BETA)
	#3	RFS	APX16DW-16DW-S-E-A20	150'-0"	150°	ERICSSON RRUS-11 B4	2' (U2100)	0°	(1) 6X12 HYBRID (SHARED BY BETA)
	#4	FASTBACK	IBR-1300	150'-0"	TBD	N/A	N/A	N/A	1/2" # COAX
GAMMA	#1	ERICSSON	AIR32 KRD901146-1	150'-0"	270°	---	2' (L2100) 2' (L1900)	0°	(1) 6X12 HYBRID (SHARED BY GAMMA)
	#2	ANDREW	LNX-8515DS-A1M	150'-0"	270°	ERICSSON RRUS-11 B12	2' (L700)	0°	(1) 6X12 HYBRID (SHARED BY GAMMA)
	#3	RFS	APX16DW-16DW-S-E-A20	150'-0"	270°	ERICSSON RRUS-11 B4	2' (U2100)	0°	(1) 6X12 HYBRID (SHARED BY GAMMA)

6 RF LOADING CHART
NOT TO SCALE

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STATE OF CONNECTICUT
JOHN S. STEVENS
No. 2208
LICENSED PROFESSIONAL ENGINEER

1	REVISED PER COMMENT	SKB	11/22/18
2	REVISED PER COMMENT	SKB	10/12/18
3	REVISED PER COMMENT	SKB	10/02/18
4	REVISED PER COMMENT	SKB	09/24/18
5	ISSUED FOR PERMIT	SKB	08/30/18

Drawn: SKB Date: 06/20/18
Designed: AD Date: 06/20/18
Checked: ASB Date: 06/22/18

Project Number: 502-000

Project Title: GLASTONBURY
CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For: Eco-Site

Drawing Title: ORIENTATION & ANTENNA MOUNTING DETAILS

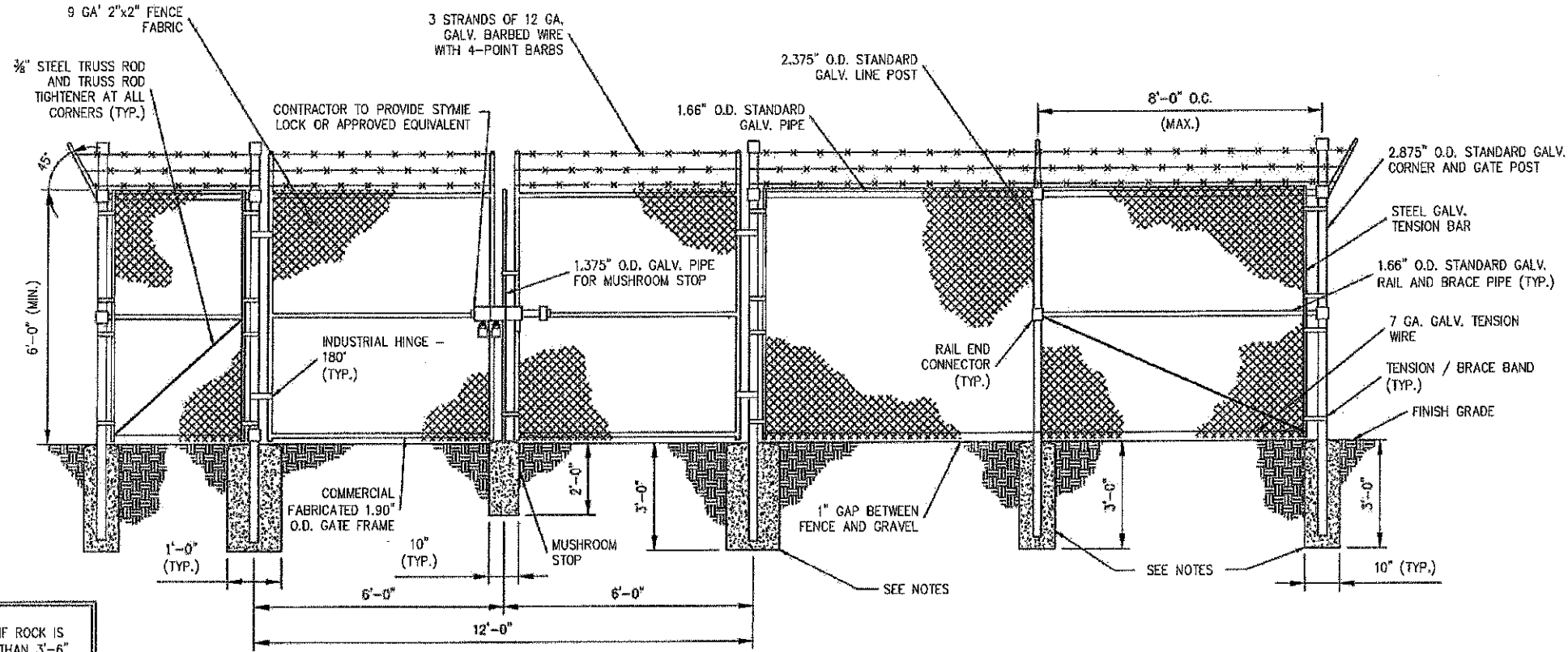
Drawing Scale: CD
Date: 11/28/18

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Drawing Number: C4B

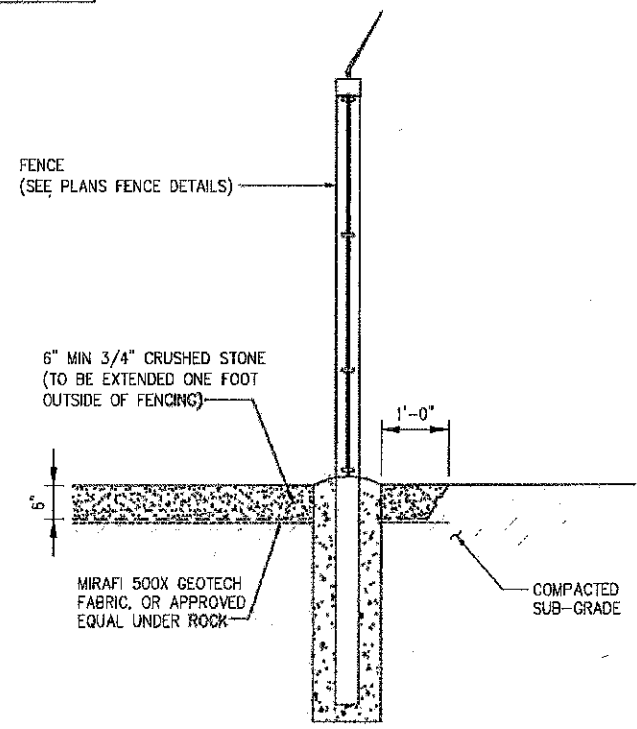
FENCE NOTES

- USE 3,000-PSI CONCRETE, FULLY CONSOLIDATED AROUND THE POST.
- WHERE THE POST IS SET IN ROCK OR CONCRETE, CORE A HOLE 12" DEEP AND 1" LARGER IN DIAMETER THAN THE POST. SET THE POST AND GROUT IN PLACE USING NON-SHRINK GROUT.
- ALL POSTS MUST BE PLUMB AND ALIGNED WITH ONE ANOTHER IN BOTH HORIZONTAL AND VERTICAL PLANES.
- CORNERS AND GATEPOSTS FOR CHAIN LINK FENCES SHALL EXTEND ABOVE THE TOP STRAND OF BARBED WIRE TO PROVIDE TENSIONING FOR THE BARBED WIRE.
- PROVIDE MIDRAILS AND BRACING AT ALL CORNER POSTS WHERE THE FENCE CHANGES DIRECTION BY MORE THAN 30 DEGREES.
- THE GRADE OF THE SITE AND INSTALLATION OF THE FENCE SHALL PROVIDE FOR NO MORE THAN A 1" GAP BETWEEN THE BOTTOM OF THE FENCE MATERIAL AND FINISH GRADE.
- CONTRACTOR SHALL PROVIDE HOLD OPEN DEVICES FOR ALL GATES AT THE SPECIFIED OPEN POSITIONS, DRIVEN PIPE TYPE RECEIVERS ARE NOT AUTHORIZED.
- CONTRACTOR SHALL ALSO PROVIDE A MUSHROOM TYPE RECEIVER AT THE CLOSE POSITION.

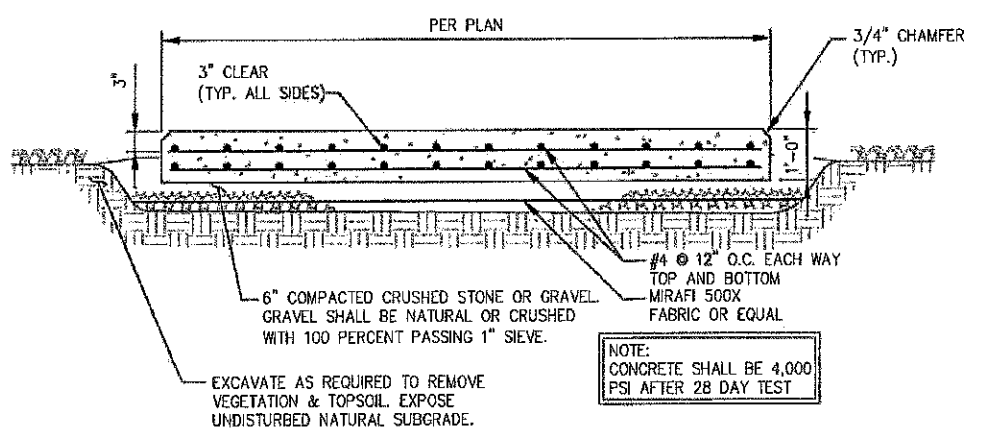


1 CHAIN LINK FENCE & GATE ELVATION
SCALE: N.T.S.

NOTE:
1. ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN ROCK: IF ROCK IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLOWER THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE ROCK. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF ROCK IS BELOW FINISH GRADE, COAT BACKFILLED SECTION OF POST WITH COAL TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.
2. ATTACH EACH GATE WITH 3 NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL. (THREE POINT HINGE)

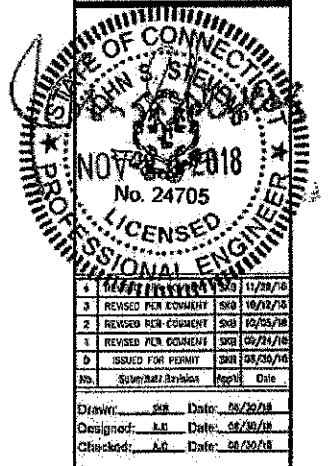


2 SECTION THROUGH COMPOUND
SCALE: N.T.S.



3 CONCRETE SLAB DETAIL
SCALE: N.T.S.

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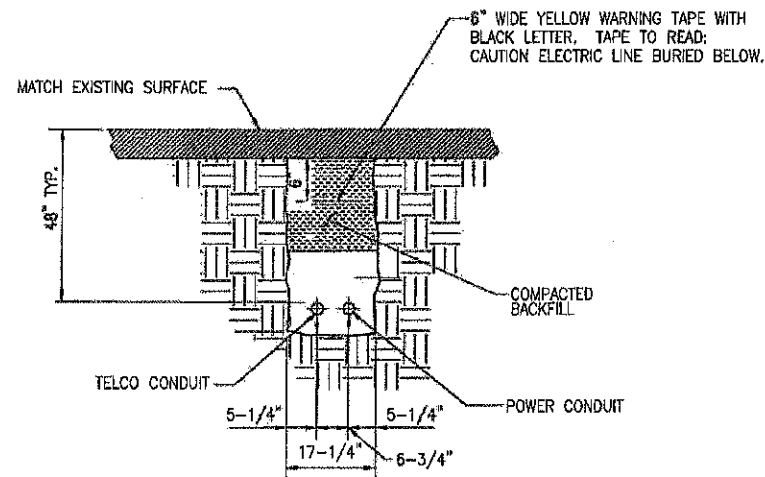
No.	Revised For	Comment	Appr.	Date
1	ISSUED FOR PERMIT			08/28/18
2	REVISED PER COMMENT			02/24/18
3	REVISED PER COMMENT			02/25/18
4	REVISED PER COMMENT			12/27/18

Project Number: 502-000
Project Title: GLASTONBURY CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

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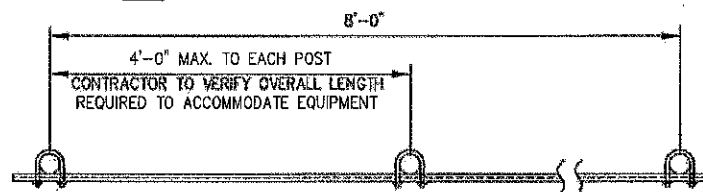
Drawing Title: CIVIL DETAILS
Drawing Scale: CD
Date: 11/26/18

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Drawing Number: C5

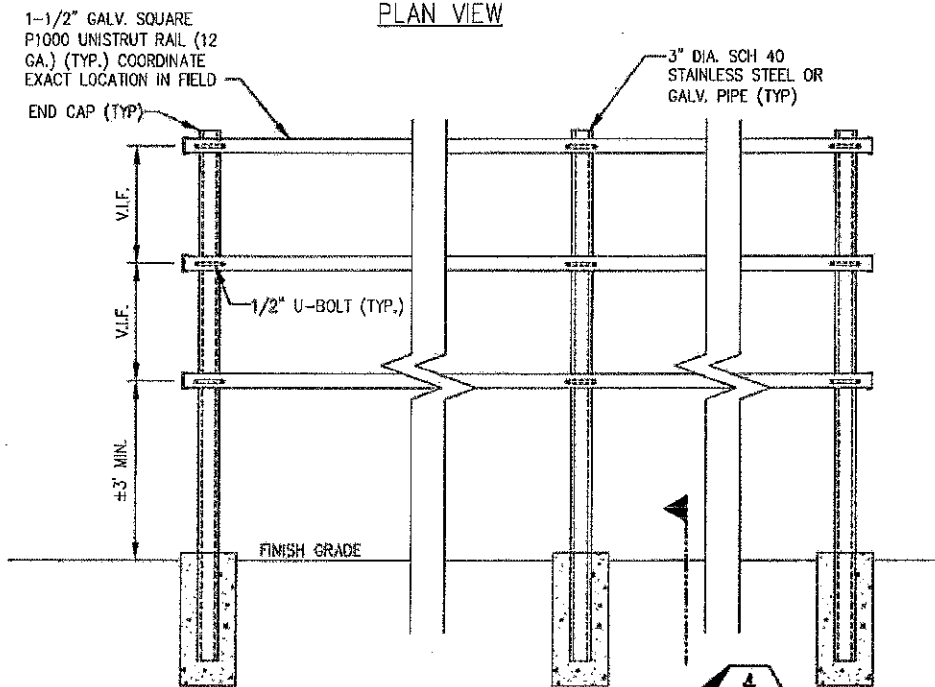


- NOTE:
1. NUMBER AND SIZE OF CONDUITS MAY VARY. REFER TO CONSTRUCTION DRAWINGS FOR CONDUIT SIZE AND LOCATION. CONFIRM DIMENSIONS SHOWN WITH UTILITY COMPANY.
 2. CONTRACTOR TO VERIFY IN FIELD THE LOCATION, SIZE, TYPE, AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING THE SERVICE TRENCH. PROVIDE A MINIMUM OF 18" CLEARANCE BETWEEN PROPOSED UTILITIES AND EXISTING UTILITIES IN THE CASE OF UTILITY LINE CROSSINGS.

1 TYPICAL CONDUIT TRENCH DETAIL
NOT TO SCALE

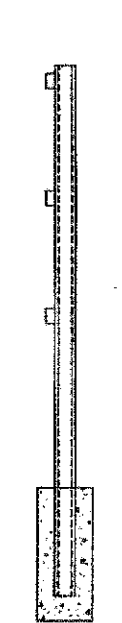


PLAN VIEW

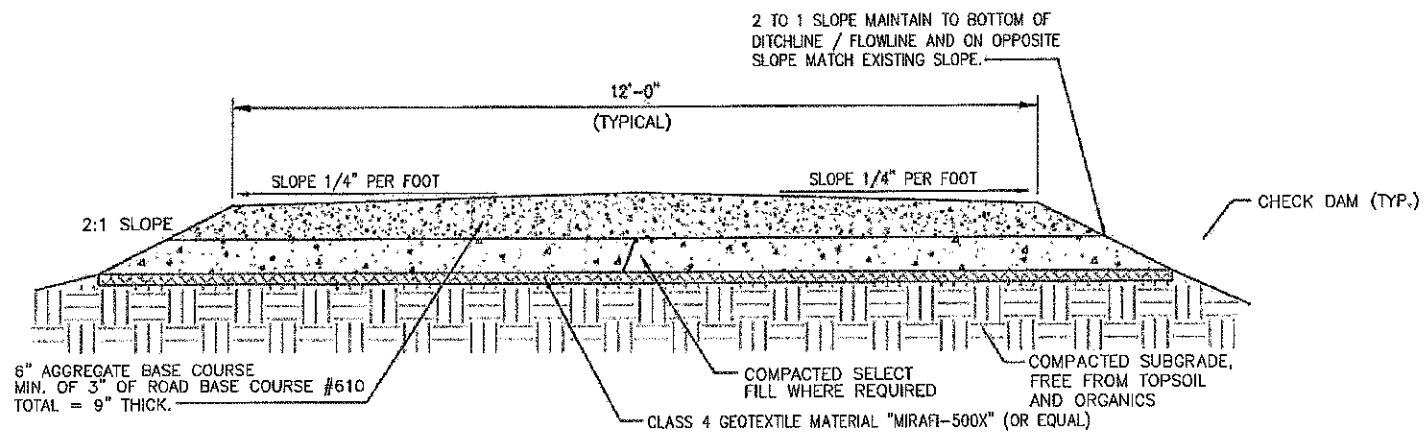


ELEVATION

3 H-FRAME FABRICATION DETAIL
NOT TO SCALE

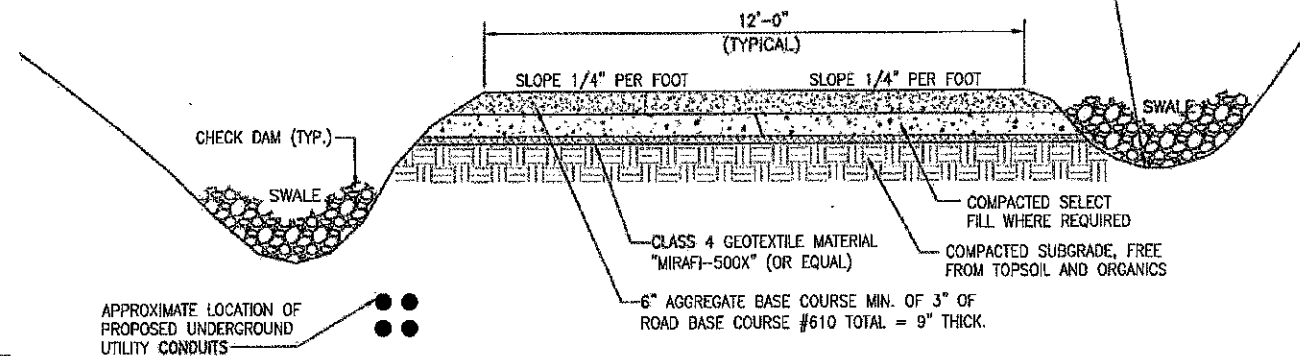


END VIEW

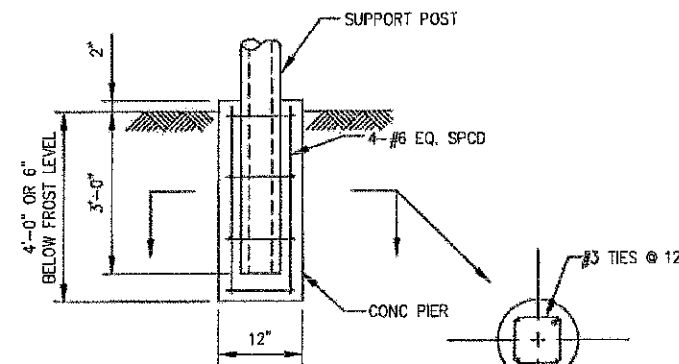


2 TYPICAL DRIVEWAY SECTION
NOT TO SCALE

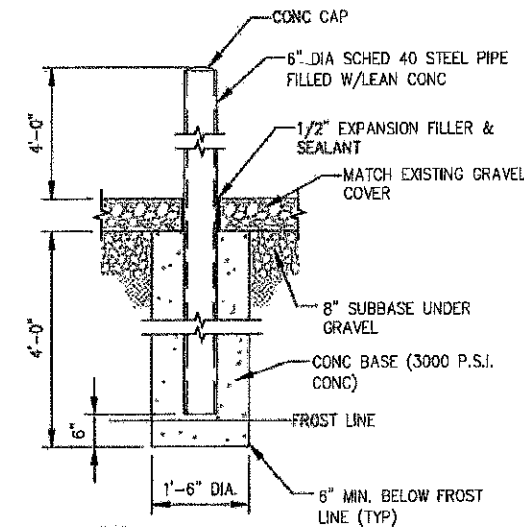
- NOTES:
- USE OF SWALES AND/OR DRAINAGE DITCHES FOR PROPER WATER RUNOFF AS NEEDED.
 - AGGREGATE IS BASED ON STANDARD AASHTO.
 - PIPE SHALL BE AT A MINIMUM OF 4' LONGER THEN ACCESS ROAD WIDTH ON EACH SIDE FOR PROPER SHOULDERING.
 - ALL CROSSDRAINS SHALL BE INSTALLED ON A 45° ANGLE WITH THE FALL OF THE GRADE.



5 DRIVEWAY SECTION
NOT TO SCALE

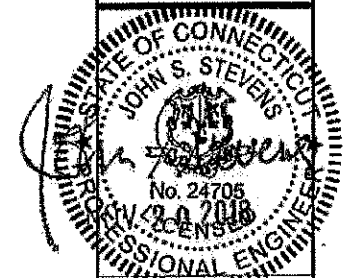


4 SUPPORT POST FOOTING
NOT TO SCALE



6 BOLLARD DETAIL
NOT TO SCALE

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No.	Submitted/Revision	App'd	Date
4	ISSUED FOR PERMIT	SKB	11/28/18
3	REVISED PER COMMENT	SKB	10/27/18
2	REVISED PER COMMENT	SKB	10/05/18
1	ISSUED PER COMMENT	SKB	09/24/18
0	ISSUED FOR PERMIT	SKB	08/30/18

Drawn: SKB Date: 08/30/18
Designed: AD Date: 08/30/18
Checked: AD Date: 08/30/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:

Eco-Site

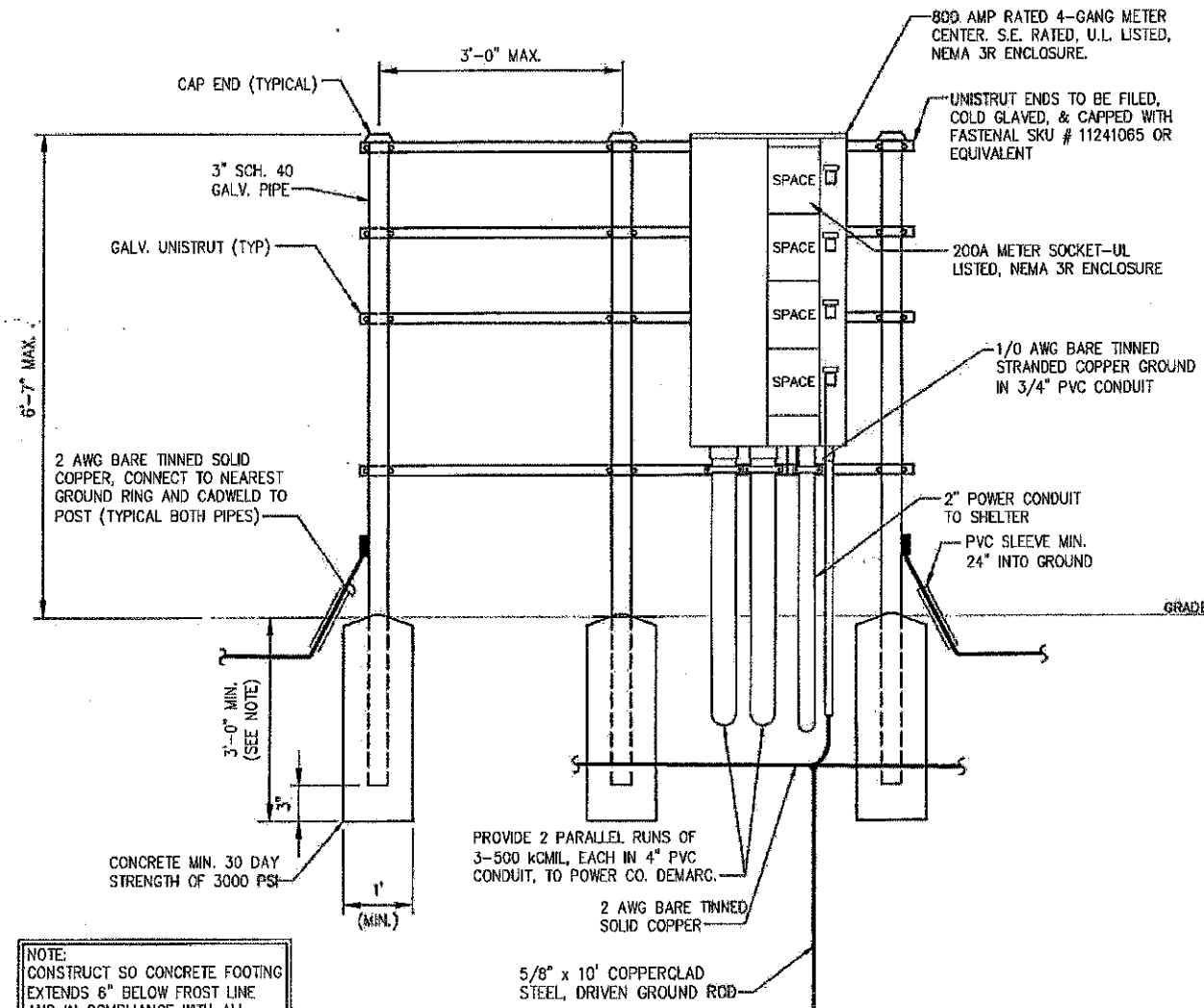
Drawing Title:
CIVIL DETAILS

Drawing Scale:
Date: 11/28/18
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Drawing Number:
C6

1. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, STATE BUILDING CODES AND THE LOCAL BUILDING CODES. ALL COMPONENTS SHALL BE U.L. LISTED.
2. REFER TO SITE LAYOUT PLAN FOR THE EXACT LOCATION OF H-FRAME.
3. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR METER.
4. CONTRACTOR TO PROVIDE AND INSTALL METER SOCKET.
5. CONTRACTOR TO LOCATE METER RACK TO ENSURE WORKING SPACES REQUIRED BY THE NEC (ART. 110.26), STATE, OR LOCAL CODES ARE MAINTAINED BETWEEN FRONT OF ENCLOSURES AND THE CHAIN LINK FENCE.
6. SHOW LOCATION (INCLUDING DIMENSIONS) OF ALL CAPPED UNDERGROUND CONDUIT ON FINAL AS-BUILT DRAWINGS SUBMITTED TO OWNER.
7. COORDINATE EXACT LOCATION OF UNDERGROUND FEEDERS AND CIRCUITRY WITH THE OWNER.
8. CONTRACTOR SHALL COORDINATE WITH LOCAL ELECTRICAL AUTHORITY HAVING JURISDICTION (AHJ) AND OTHER TRADES TO DETERMINE "FROST" LINE, AND TYPES OF RACEWAYS REQUIRED FOR INSTALLATION.
9. ALL CONDUITS ABOVE GROUND SHALL BE GALVANIZED CONDUIT.
10. CONTRACTOR TO CONTACT LOCAL UTILITY PRIOR TO PURCHASING METER CENTER TO VERIFY ANY PARTICULAR REQUIREMENTS, SUCH AS LEVER BYPASS, ETC.

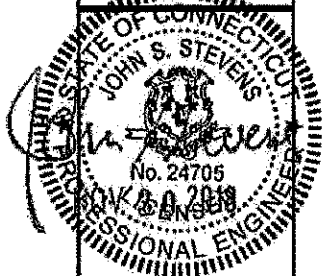


NOTE:
CONSTRUCT SO CONCRETE FOOTING
EXTENDS 6" BELOW FROST LINE
AND IN COMPLIANCE WITH ALL
LOCAL AND STATE CODES.

NOTE:
EQUIPMENT AND CONDUITS ON BACK
NOT SHOWN FOR CLARITY PURPOSES.

1 H-FRAME DETAIL (FRONT)
C7 SCALE: AS NOTED

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4	SKB	11/28/18
3	SKB	10/12/18
2	SKB	10/04/18
1	SKB	09/24/18
D	SKB	08/30/18

ISSUED FOR PERMIT: SKB 08/30/18
 Submitted/Revision: Appl. Date

Drawn: SKB Date: 06/20/18
 Designed: A.D. Date: 06/20/18
 Checked: A.D. Date: 06/20/18

Project Number:
592-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

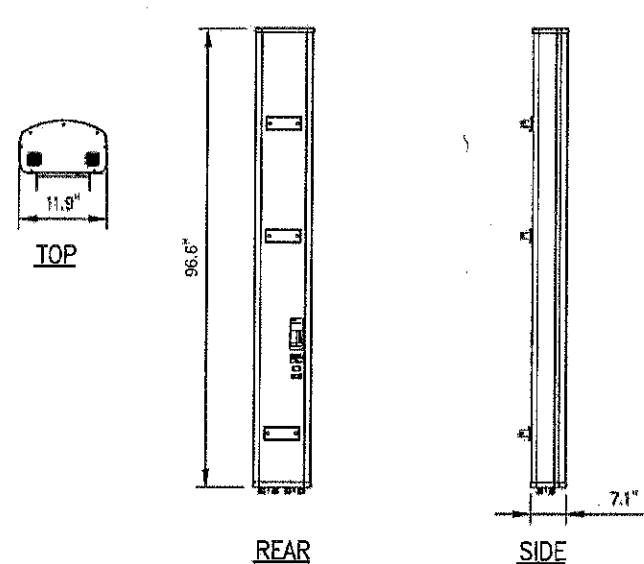
Drawing Title:
UTILITY RACK DETAIL

Drawing Scale:
CD

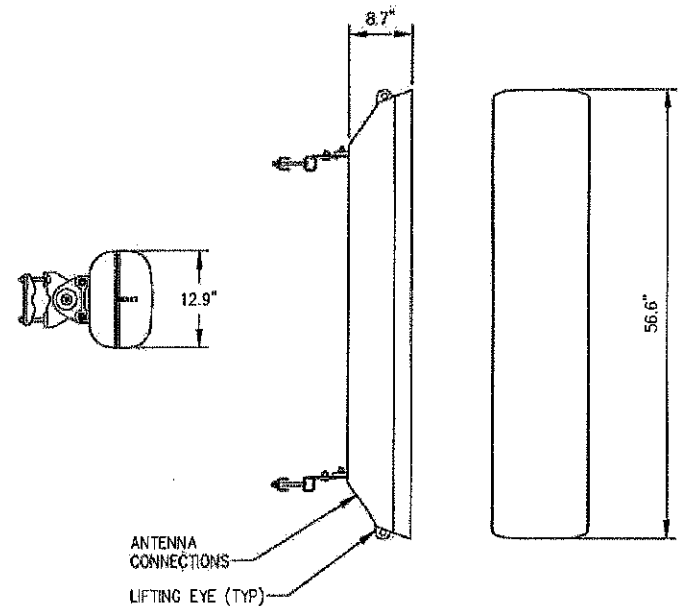
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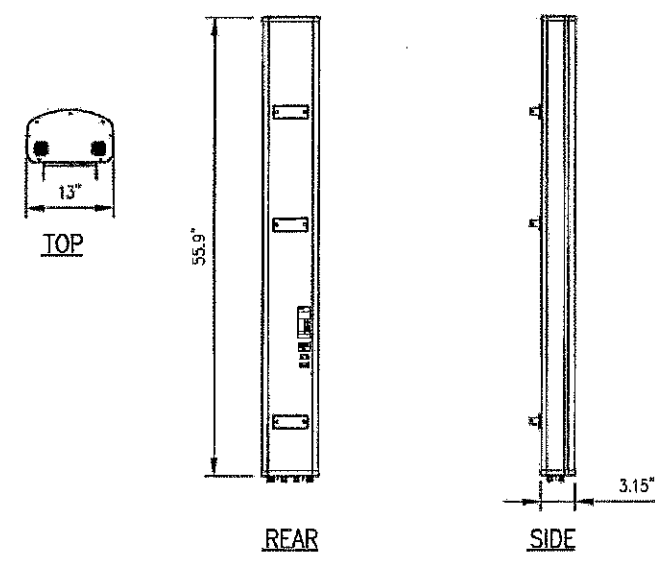
Drawing Number:
C7



COMMSCOPE MODEL NO.:	LNX-6515DS-A1M
RADOME MATERIAL:	FIBERGLASS, UV RESISTANT
RADOME COLOR:	LIGHT GRAY
DIMENSIONS, HxWxD:	96.4"x11.9"x7.1" (2448 x 301 x 180.5 mm)
WEIGHT, W/ PRE-MOUNTED BRACKETS:	50.3 LBS
CONNECTOR:	7-16 DIN FEMALE



ERICSSON MODEL NO.:	AIR32 KRD901146-1
RADOME MATERIAL:	FIBERGLASS, UV RESISTANT
RADOME COLOR:	LIGHT GRAY
DIMENSIONS, HxWxD:	56.6"x12.9"x8.7"
WEIGHT, W/ PRE-MOUNTED BRACKETS:	132.2 LBS
CONNECTOR:	(2) 7-16 DIN FEMALE

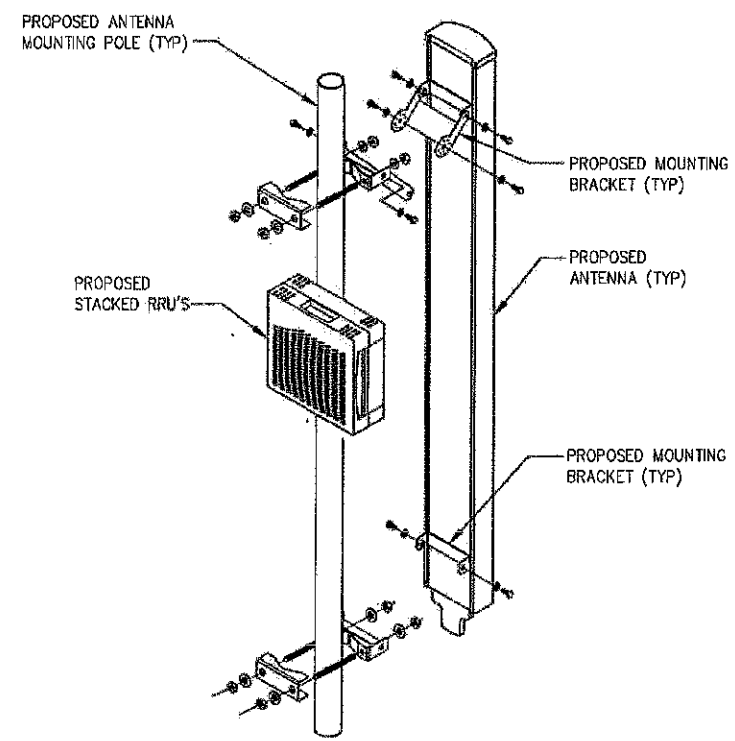


RFS MODEL NO.:	APX16DWV-16DWV-S-E-A20
RADOME MATERIAL:	FIBERGLASS, UV RESISTANT
RADOME COLOR:	LIGHT GRAY
DIMENSIONS, HxWxD:	55.9"x13"x3.15" (1420 x 331 x 80 mm)
WEIGHT, W/ PRE-MOUNTED BRACKETS:	40.7 LBS
CONNECTOR:	7-16 DIN FEMALE

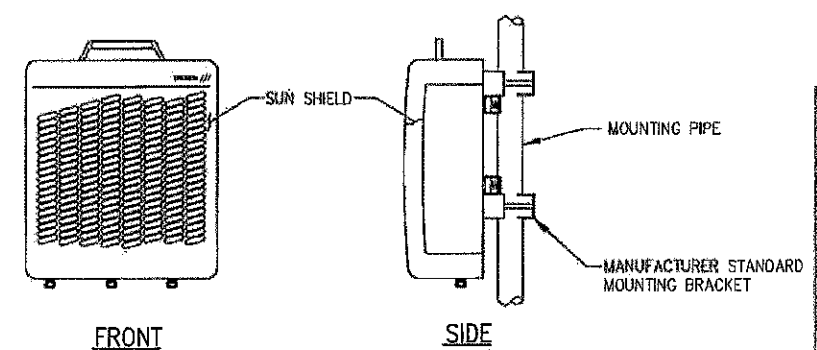
1 ANTENNA DETAIL
NOT TO SCALE

2 ANTENNA DETAIL
NOT TO SCALE

5 ANTENNA DETAIL
NOT TO SCALE

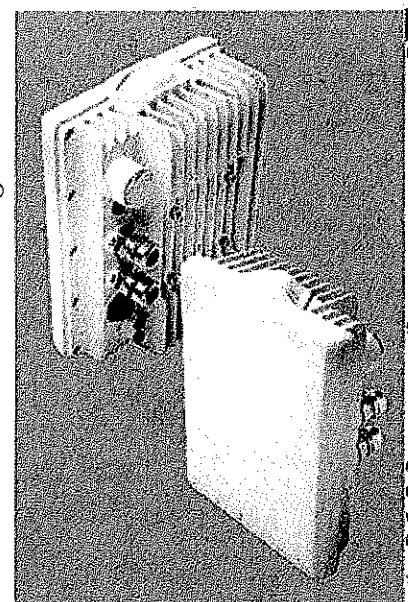


3 MOUNTING DETAIL
NOT TO SCALE



SPECIFICATIONS
• HxWxD, (INCHES) : 24"x24"x9"
• WEIGHT (LBS) : ±60
• COLOR : GRAY

4 ERICSSON RRU-11 DETAIL
NOT TO SCALE



Specifications	IBR
RADIO	
Speed and Range	Typical: Scalable up to 1.6 Gbps at 500m Range (ILOS) and 2km range (LOS), 900 Mbps at 3km range (LOS), 300Mbps at 13km range (LOS)*
Latency	Typical: < 400µsec
Frequency bands	FDD+ (no A or B side) operation across all 5 GHz UNII bands
Antenna Beamwidth	20 degrees, steerable over 40 degrees
EIRP	FCC Up to +42 dBm
Adaptive Rate Modulation	Supported via proprietary adaptive algorithms
Interference Mitigation	Supported via proprietary avoidance and cancellation algorithms
Diversity	Supported via proprietary antenna array signal processing
Security	AES-256 OTA Encryption
SWITCH	
Carrier Ethernet Features	V.1731 and 802.1ag OAM, Q In Q, RFC 2544 reflection, QoS, Broadcast / Unknown / Multicast (BUM) filter, Configurable latency per queue
Interfaces	1 x GbE (Cu), 1 x GbE (SFP or Cu), 1 ALOS radio interface (see above)
QoS	802.1p and DSCP classification, strict priority scheduling, WRR scheduling
Timing	1588v2 Transparent Clock
Management	HTTPS, ssh, Telnet, SNMP v2c & v3, IPv6, Dying Gasp
Dimensions (W x H x D)	200mm width, 260mm height, 90mm depth
Weight	4 kg
Power Input	IBR-1300: PoE IBR-1301: 90-240 VAC
Temperature	-40C to +50C operating -55C to +85C storage

6 MICROWAVE DETAIL
SCALE: NOT TO SCALE

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STATE OF CONNECTICUT
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PROFESSIONAL ENGINEER
LICENSED
No. 3470818

Drawn: SKB Date: 08/20/18
Designed: AD Date: 08/20/18
Checked: AD Date: 08/20/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
T-MOBILE EQUIPMENT DETAILS

Drawing Scale:
CD

Date:
11/28/18

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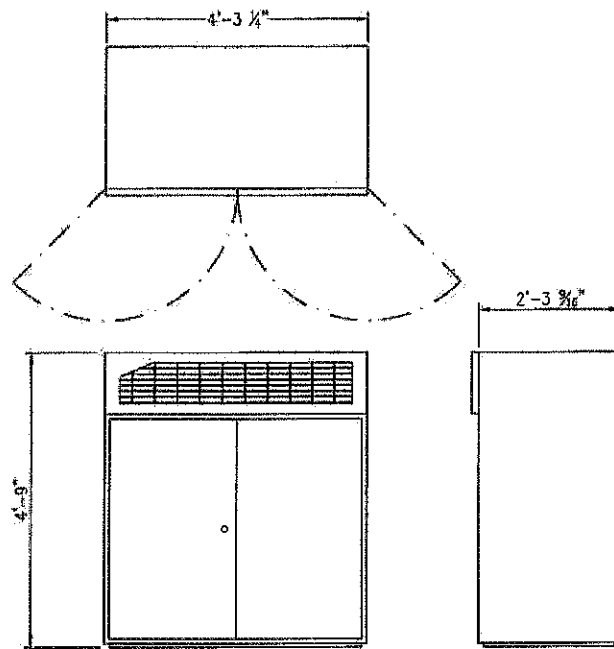
Drawing Number:
C8

BBU SPECIFICATIONS	
MANUF.	UPS DATA SERVICES
MODEL #	DURON-241U
HEIGHT (H) CABINET	20.67"
HEIGHT (S) COMPONENTS	20.21"
WIDTH	24.24"
DEPTH	20.24"

NOTE: ALL 1/2" x 2" MINIMUM DEPTH 3/8" DIA. Ø-1/8" ANCHORS (TYP. OF 4) SHALL BE INSTALLED 24" ON CENTER (C/O) CABINET.

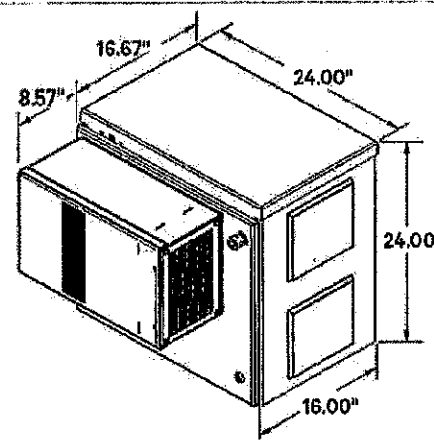
NOTE: UPS DATA SERVICES BBU CABINET, MODEL DURON-241U (STACKABLE - 3 TOTAL PROPOSED)

1 ERICSSON BBU CABINET DETAIL
NOT TO SCALE



ERICSSON MODEL NO.: RBS 6102
DIMENSIONS, HxWxD: 4'-9"x4'-3 1/4"x2'-3 3/8"
WEIGHT: 772 Lbs (W/O BATTERIES)

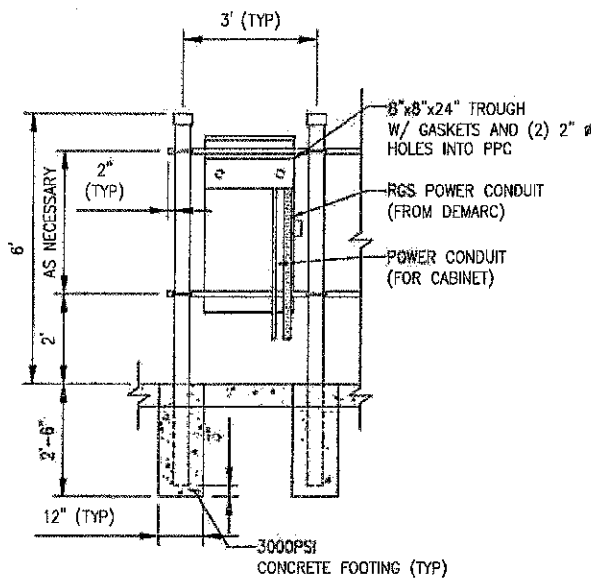
2 RBS 6102 DETAIL
SCALE: NOT TO SCALE



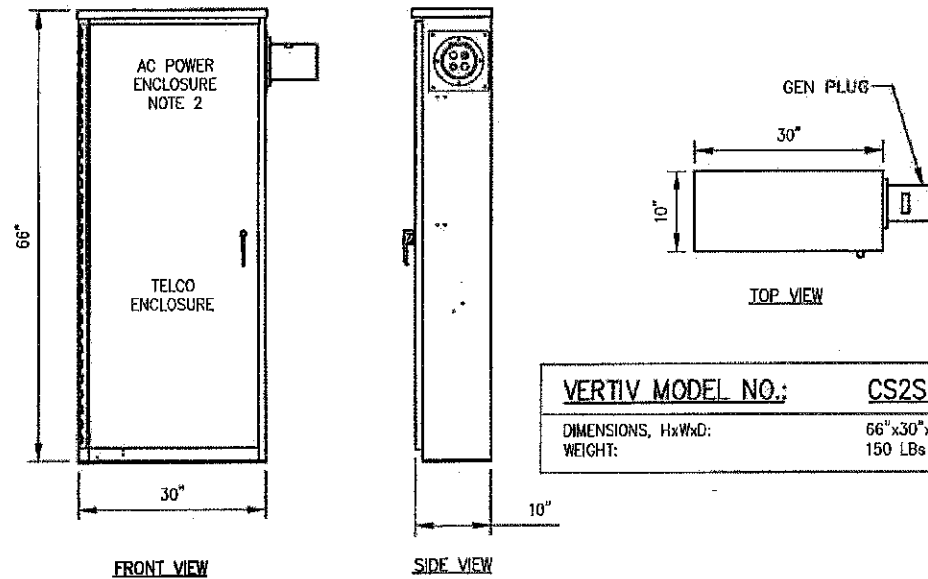
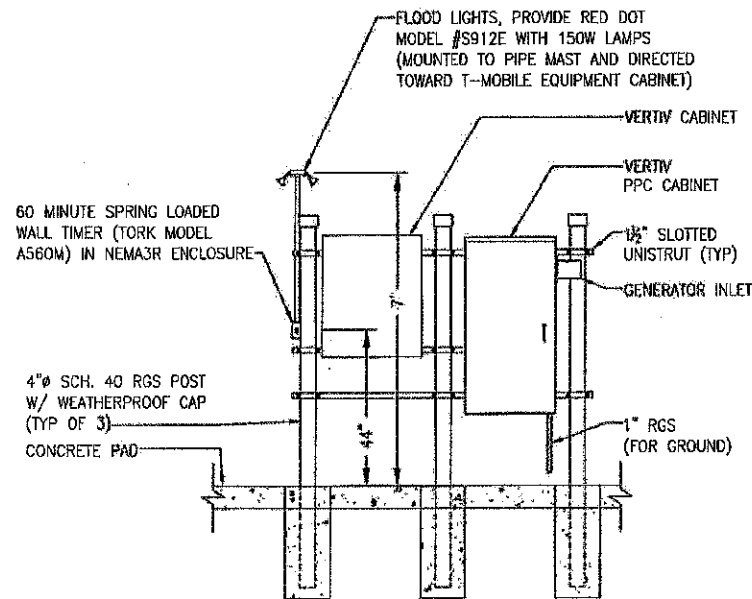
PHYSICAL CHARACTERISTICS	
Framework Type	NetXtend™ Compact Enclosure
Available Space	Up to 14 RU, 19" W
Dimensions (H x W x D)	Enclosure: 24" x 24" x 16" Battery tray: 22" W x 13" D
Mounting	Wall or H-frame, pole mount (wall-mount kit included)
Weight, Equipped	Enclosure: 64 lb., w/out batteries Four (4) batteries: 36 lb. total
Access	Front

VERTIV MODEL NO.: NETXTEND COMPACT 2416
DIMENSIONS, HxWxD: 24"x24"x16"
WEIGHT: 64 Lbs W/O BATTERIES

3 NETXTEND COMPACT BATTERY CABINET DETAIL
NOT TO SCALE



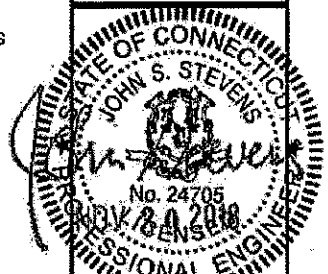
4 PPC BACKBOARD DETAIL
SCALE: NOT TO SCALE



VERTIV MODEL NO.: CS2S2-W736
DIMENSIONS, HxWxD: 66"x30"x10"
WEIGHT: 150 Lbs

- NOTES
- METER SOCKET BY THIS CONTRACT. METER TO BE SUPPLIED BY LOCAL UTILITY COMPANY.
 - AC POWER ENCLOSURE. 200 AMP, 208/120V, 1Ø, 3W W/ GROUND. 200A/2P MAIN CIRCUIT BREAKER.
 - ALL EQUIPMENT SHALL BE GROUNDED PER LATEST EDITION OF NEC AND AS INDICATED.
 - ELECTRICAL EQUIPMENT SHALL BE MIN. 3'-0" FROM ANY STRUCTURE AND AS REQUIRED BY LOCAL UTILITY COMPANIES AND AHJ.
 - CONTRACTOR MUST LABEL ALIKE BREAKERS IN DISTRIBUTION PANEL.
 - REFER TO ACTUAL EQUIPMENT DRAWINGS.

5 PPC DETAIL
NOT TO SCALE



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No.	Revised/Revisions	App'd	Date
1	ISSUED FOR PERMIT	ESB	08/29/18
2	REVISED PER COMMENT	ESB	09/24/18
3	REVISED PER COMMENT	ESB	10/12/18
4	REVISED PER COMMENT	ESB	11/29/18

Drawn: ESB Date: 08/29/18
Designed: ESB Date: 08/29/18
Checked: ESB Date: 08/29/18

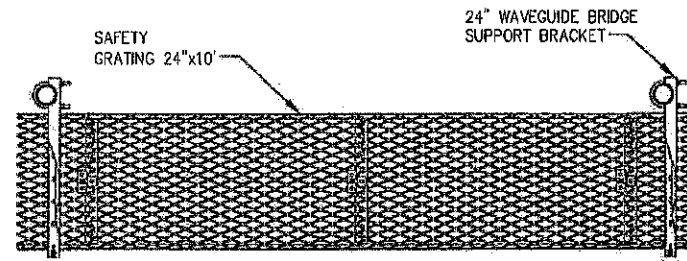
Project Number: 502-000
Project Title: GLASTONBURY
CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For: Eco-Site

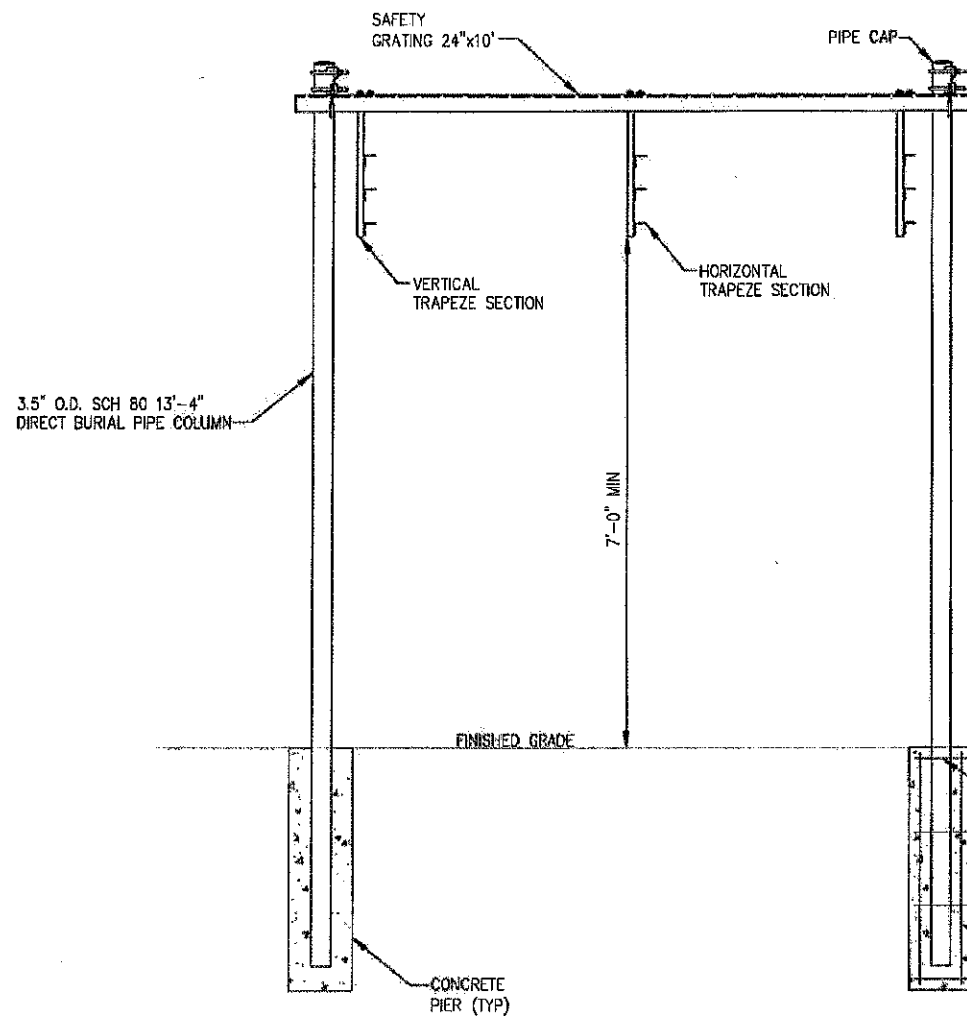
Drawing Title: T-MOBILE EQUIPMENT DETAILS

Drawing Scale: CD
Date: 11/28/18

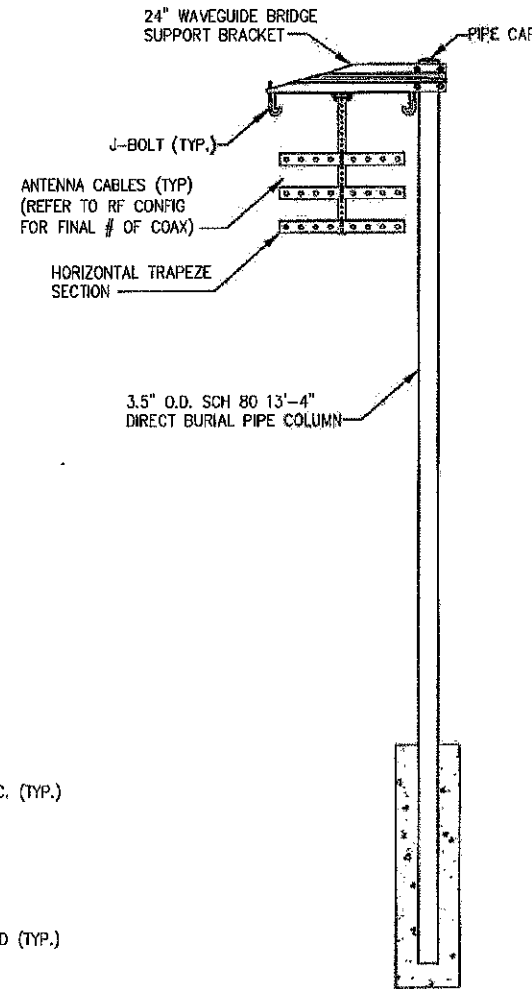
Drawing Number: C9



TOP



FRONT

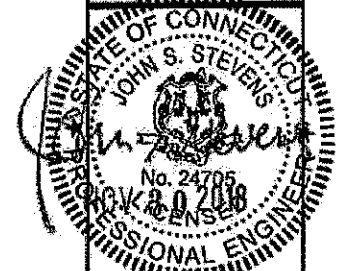


SIDE

- NOTES:
1. USE SITE PRO 1 PARTS OR APPROVED EQUAL.
 2. SUPPORT POSTS SHALL BE LOCATED ON ALTERNATING SIDES OF ICE BRIDGE, SPACED NO MORE THAN 6'-0".
 3. ANY SPLICES OR CANTILEVERED SECTIONS OF THE ICE BRIDGE SHALL BE LOCATED WITHIN 2'-0" OF A SUPPORT POST.

1 WAVEGUIDE BRIDGE KIT (SITE PRO P/N: IB24D-T3)
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No.	Submitted / Revised	Appr.	Date
1			11/28/18
3			10/17/18
2			10/20/18
1			09/24/18
0			09/26/18

Drawn: *AS* Date: 08/28/18
Designed: *AS* Date: 08/28/18
Checked: *AS* Date: 08/28/18

Project Number: 502-000

Project Title: GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

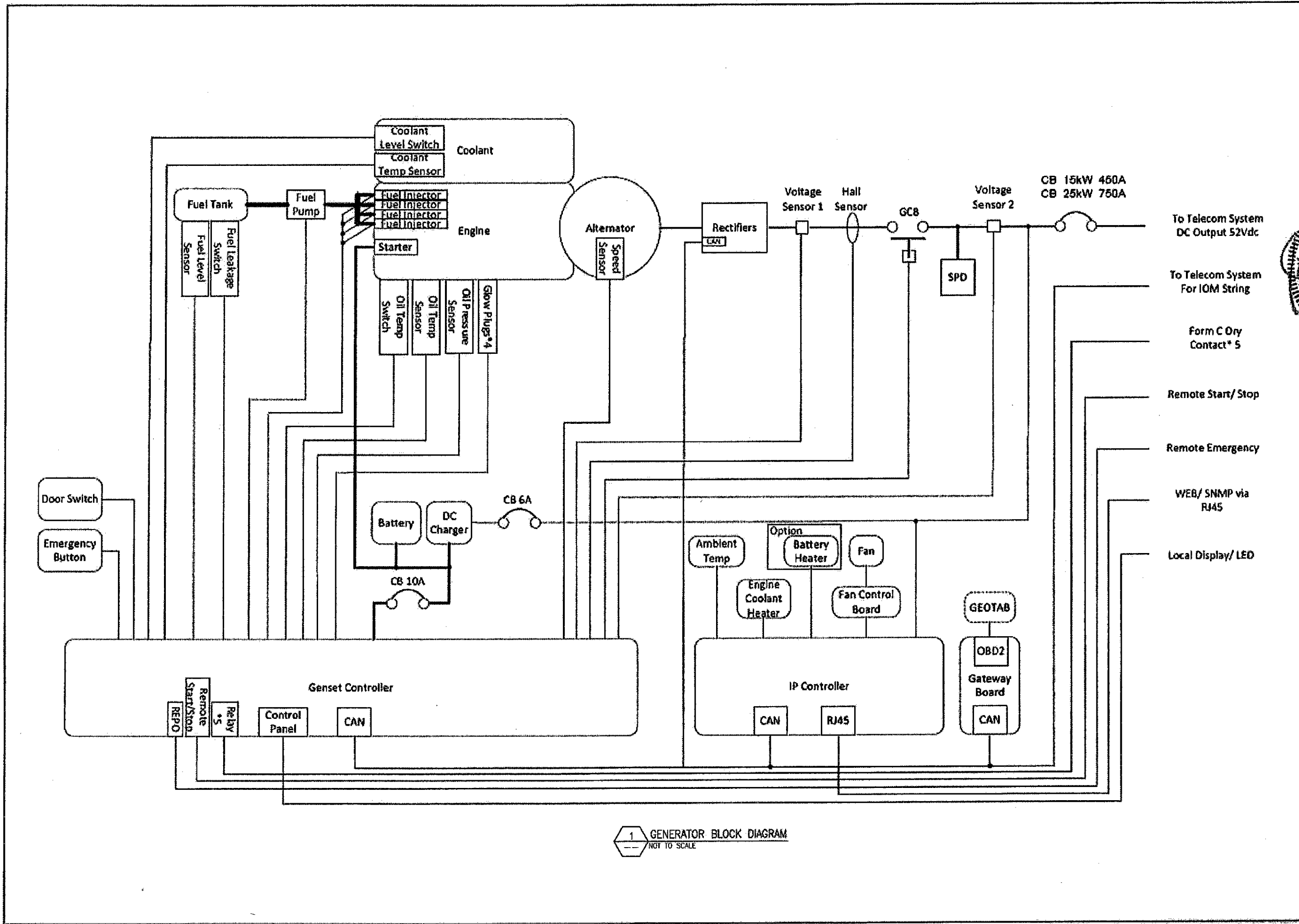
Eco-Site

Drawing Title: ICE BRIDGE DETAILS

Drawing Scale: CD
Date: 11/28/18

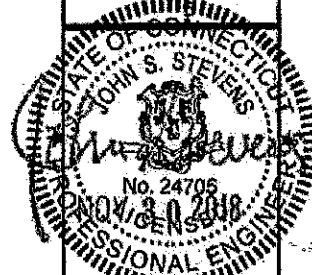
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Drawing Number: C10



1 GENERATOR BLOCK DIAGRAM
NOT TO SCALE

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No.	Submitted / Revision	App'd	Date
4	REVISED PER COMMENT	SHB	11/28/18
3	REVISED PER COMMENT	SHB	10/12/18
2	REVISED PER COMMENT	SHB	10/05/18
1	REVISED PER COMMENT	SHB	09/21/18
0	ISSUED FOR PERMIT	SHB	08/30/18

Drawn: SHB Date: 08/29/18
Designed: SHB Date: 08/29/18
Checked: AIC Date: 08/29/18

Project Number: 502-000

Project Title: GLASTONBURY
CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
GENERATOR BLOCK DIAGRAM

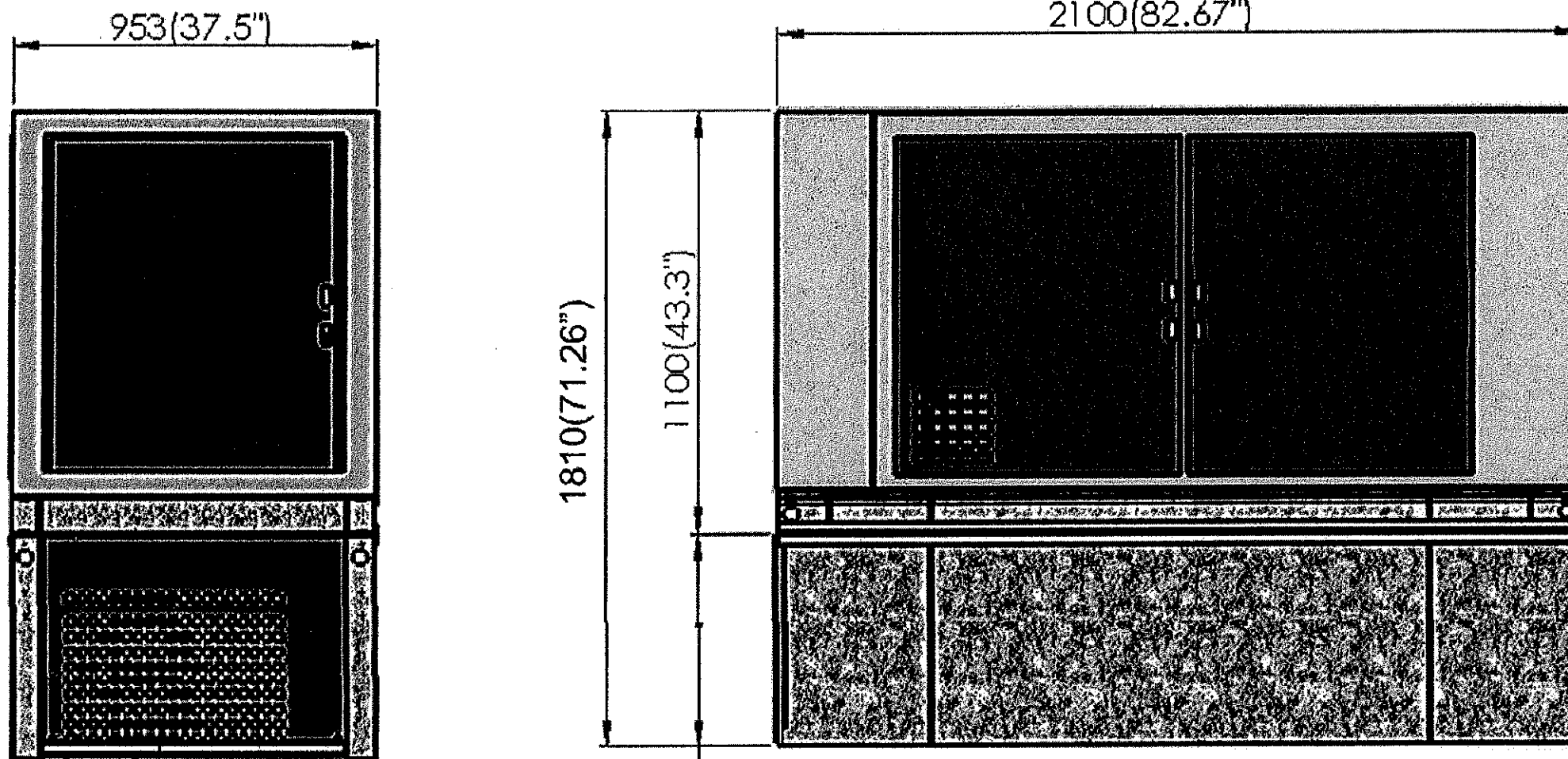
Drawing Scale:
Date: 11/28/18
CD

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Drawing Number:
C11



220 Gallon Tank Dimensions 25kW DC Genset

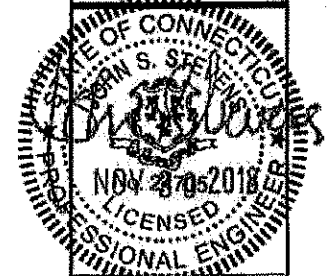


220 gallon fuel tank

Upgraded Tank	25kW @ 75% Load
220 gallon	120 hours

1 GENERATOR DETAIL
NOT TO SCALE

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www.infinigy.com



1	ISSUED FOR PERMIT	SKG	11/28/18
2	REVISED PER COMMENT	SKG	10/12/18
3	REVISED PER COMMENT	SKG	10/25/18
2	REVISED PER COMMENT	SKG	09/24/18
1	REVISED PER COMMENT	SKG	09/24/18
0	ISSUED FOR PERMIT	SKG	08/20/18
No.	Submital / Revision	Appd	Date

Drawn: SKG Date: 09/20/18
Designed: A.B. Date: 08/29/18
Checked: A.B. Date: 09/20/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-60 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

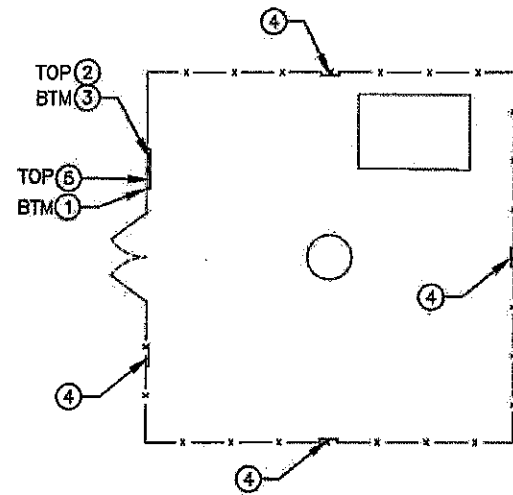
Drawing Title:
GENERATOR DETAILS

Drawing Scale:
CD

Date:
11/28/18

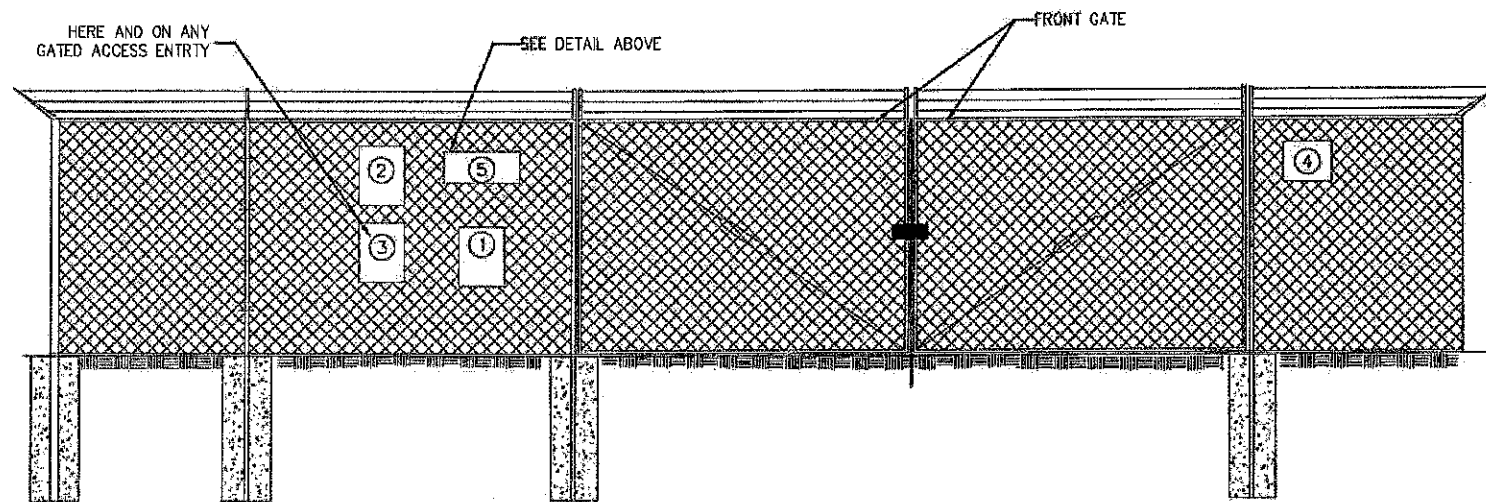
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Drawing Number:
C12



NOTE:
SEE TYPICAL SIGNS AND SPECIFICATIONS DETAIL
ON THIS SHEET FOR SIGN DESIGNATIONS.

1 OVERALL SIGN PLACEMENT PLAN VIEW
NOT TO SCALE



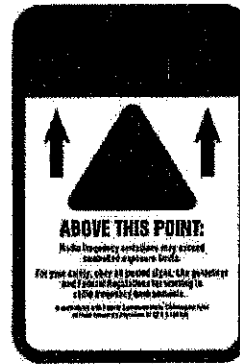
3 SITE SIGNAGE FRONT GATE VIEW
NOT TO SCALE

NOTICE



Beyond This Point you are entering an area where RF Emissions may exceed the FCC General Population Exposure Limits. Follow all posted signs and site guidelines for working in an RF environment.

1 NOTICE - RF SIGN (BLUE)
12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)



ABOVE THIS POINT:
Radio frequency emissions may exceed authorized exposure levels.
For more info, check all posted signs. Site guidelines and all posted signs are for working in an RF environment.
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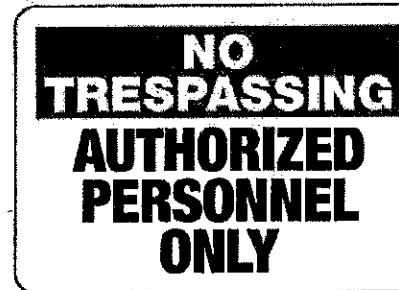
2 WARNING - RF SIGN
12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)

CAUTION



Beyond This Point you are entering a controlled area where RF Emissions may exceed the FCC Occupational Exposure Limits. Obey all posted signs and site guidelines for working in an RF environment.

3 CAUTION - RF SIGN (YELLOW)
12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)



4 NO-TRESPASSING SIGN
12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)

TOWER ID: _____ Eco-Site®
 SITE NAME: _____
 E911 ADDRESS: _____
 FCC#: _____

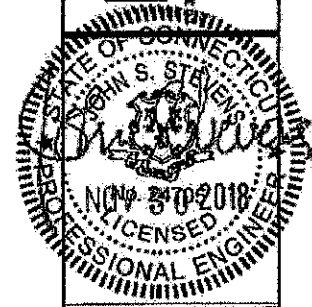
FOR TOWER LEASING INFORMATION & EMERGENCY CONTACT
1-866-899-6191

5 ECO-SITE ID SIGN
18" HIGH X 24" WIDE (OPERATIONS PROVIDED)

2 TYPICAL SIGNS AND SPECIFICATIONS
NOT TO SCALE

SIGNAGE NOTES:
 1. SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH LONG LASTING UV RESISTANT COATINGS.
 2. SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE, AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.

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No.	Submittal / Revision	App'd	Date
4	REVISED PER COMMENT	SKB	11/28/18
3	REVISED PER COMMENT	SKB	10/19/18
2	REVISED PER COMMENT	SKB	10/15/18
1	REVISED PER COMMENT	SKB	09/24/18
0	ISSUED FOR PERMIT	SKB	08/22/18

Drawn: SKB Date: 08/22/18
 Designer: A.O. Date: 08/22/18
 Checker: A.O. Date: 08/22/18

Project Number: 502-000
 Project Title: GLASTONBURY
 CT-0007A
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06073

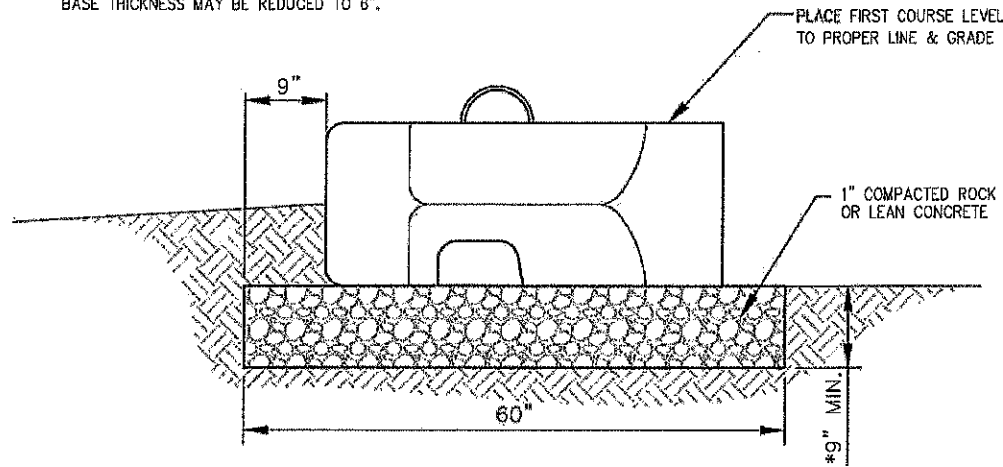
Prepared For:

 Drawing Title: SITE SIGNAGE DETAILS

Drawing Scale: CD
 Date: 11/28/18

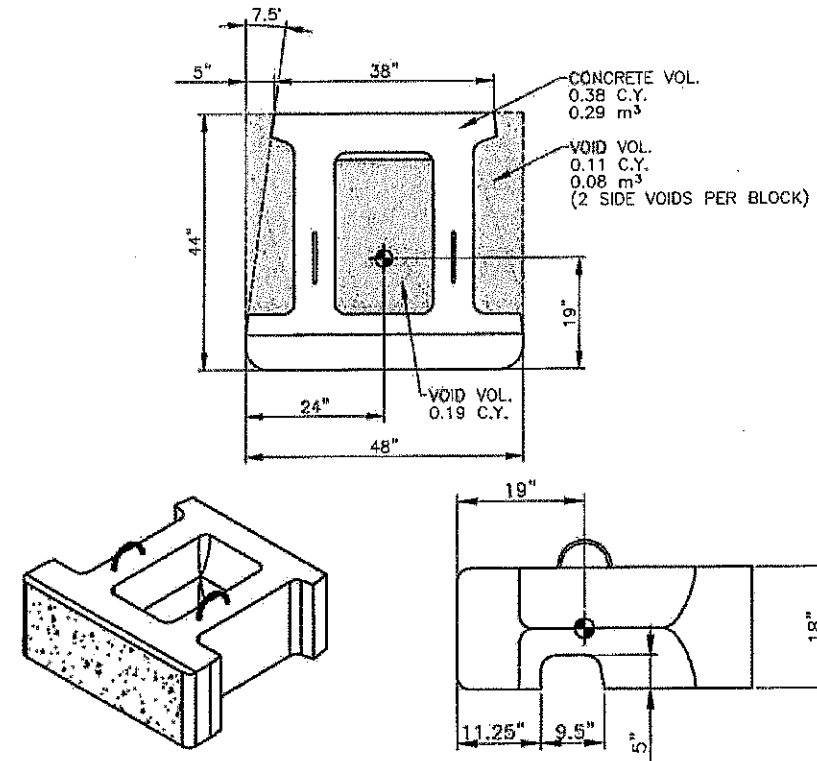
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 Drawing Number: **C13**

*FOR WALL HEIGHTS OF 6' OR LESS,
BASE THICKNESS MAY BE REDUCED TO 6".



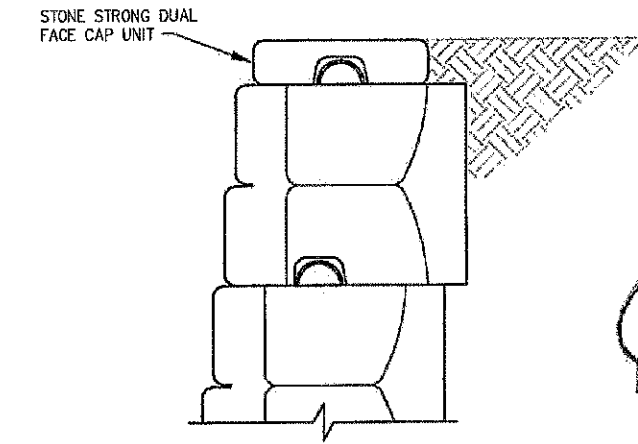
NOTE:
BEARING CONDITIONS SHALL BE OBSERVED BY
THE SITE GEOTECHNICAL ENGINEER. BASE
DIMENSIONS MAY BE INCREASED TO ADDRESS
DEFICIENT SOIL BEARING CONDITIONS.

1 6SF WALL BASE
--- NOT TO SCALE

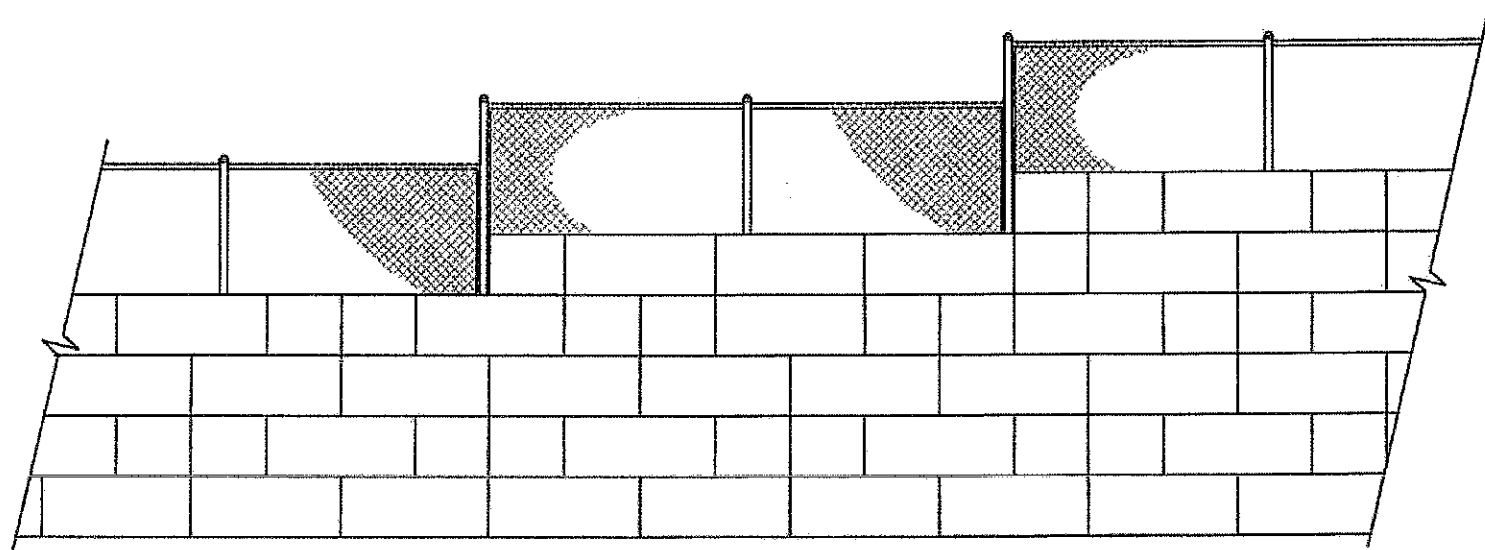


Block Wt.	1,500 lbs	680 kg
Form Wt.	1,800 lbs	815 kg
Concrete Volume	0.38 CY	0.29 m ³
Aggregate Infill	0.41 CY	0.31 m ³
(per face area)	0.1 tons/sf	1,000 kg/m ²

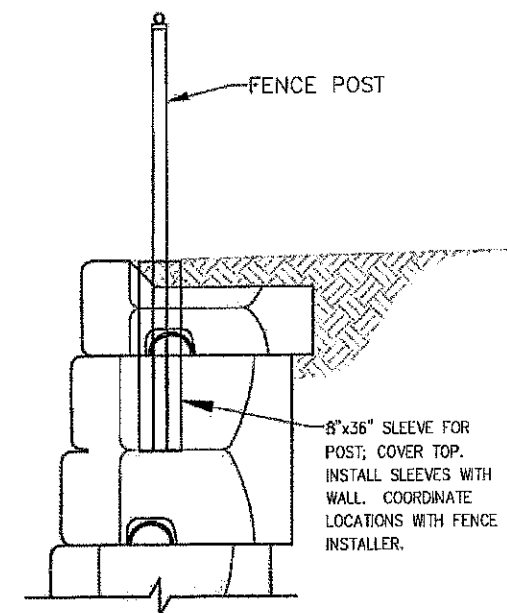
2 STONE STRONG 6sf UNIT
--- NOT TO SCALE



3 STONE STRONG CAP UNIT
--- NOT TO SCALE



4 TYPICAL FENCE CONFIGURATION
--- NOT TO SCALE



5 FENCE SLEEVE
--- NOT TO SCALE

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4	REVISED PER COMMENT	SKS	11/21/19
3	REVISED PER COMMENT	SKS	10/02/19
2	REVISED PER COMMENT	SKS	10/09/18
1	REVISED PER COMMENT	SKS	09/21/19
0	ISSUED FOR PERMIT	SKS	08/06/18
No.	Submittal/Revision	App'd	Date

Drawn: SKS Date: 08/20/18
Designed: SKS Date: 08/20/18
Checked: SKS Date: 08/20/18

Project Number:
502-000
Project Title:
GLASTONBURY
CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

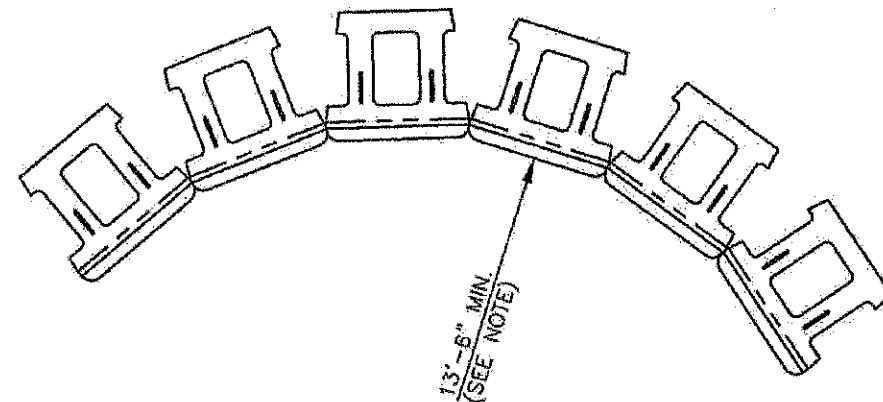
Prepared For:
Eco-Site

Drawing Title:
RETAINING WALL
DETAILS

Drawing Scale:
Date:
11/28/18
CD

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Drawing Number:
C14

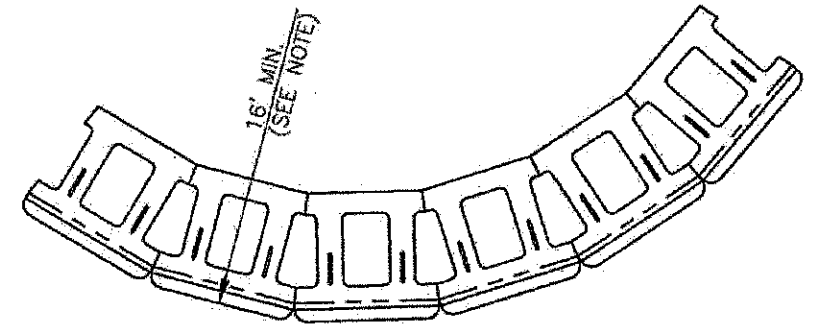


13'-6" MIN.
(SEE NOTE)

NOTE:
MINIMUM RADIUS OCCURS AT LOWEST COURSE. RADIUS INCREASES 2" PER COURSE ABOVE, AS SHOWN ON TABLE.

Minimum Concave Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
3	2	13' 8"
4 1/2	3	13' 10"
6	4	14' 0"
7 1/2	5	14' 2"
9	6	14' 4"
10 1/2	7	14' 6"
12	8	14' 8"

1 MINIMUM CONCAVE RADIUS-6SF UNITS
NOT TO SCALE



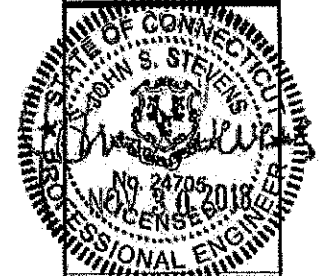
16' MIN.
(SEE NOTE)

NOTE:
MINIMUM RADIUS OCCURS AT TOP COURSE. REQUIRED RADIUS INCREASES 2" PER COURSE BELOW, AS SHOWN ON TABLE.

Minimum Convex Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
3	2	16' 2"
4 1/2	3	16' 4"
6	4	16' 6"
7 1/2	5	16' 8"
9	6	16' 10"
10 1/2	7	17' 0"
12	8	17' 2"

2 MINIMUM CONVEX RADIUS-6SF UNITS
NOT TO SCALE

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No.	Submitted/Revised	Appr.	Date
1	ISSUED FOR PERMIT	SKB	08/29/18
1	REVISED PER COMMENT	SKB	09/24/18
2	REVISED PER COMMENT	SKB	10/23/18
3	REVISED PER COMMENT	SKB	11/28/18

Drawn: SKB Date: 08/29/18
Designed: J.S. Date: 08/29/18
Checked: J.S. Date: 08/29/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

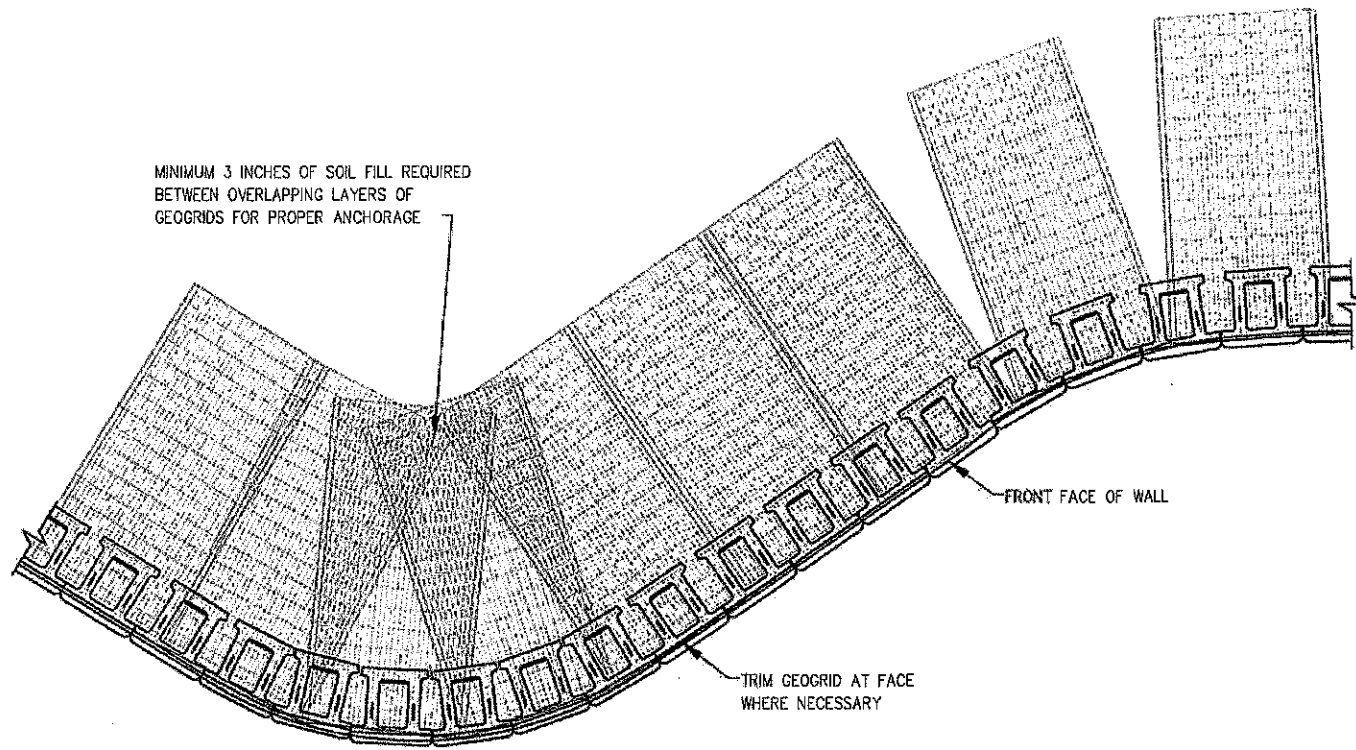
Drawing Title:
RETAINING WALL DETAILS

Drawing Scale:
CD

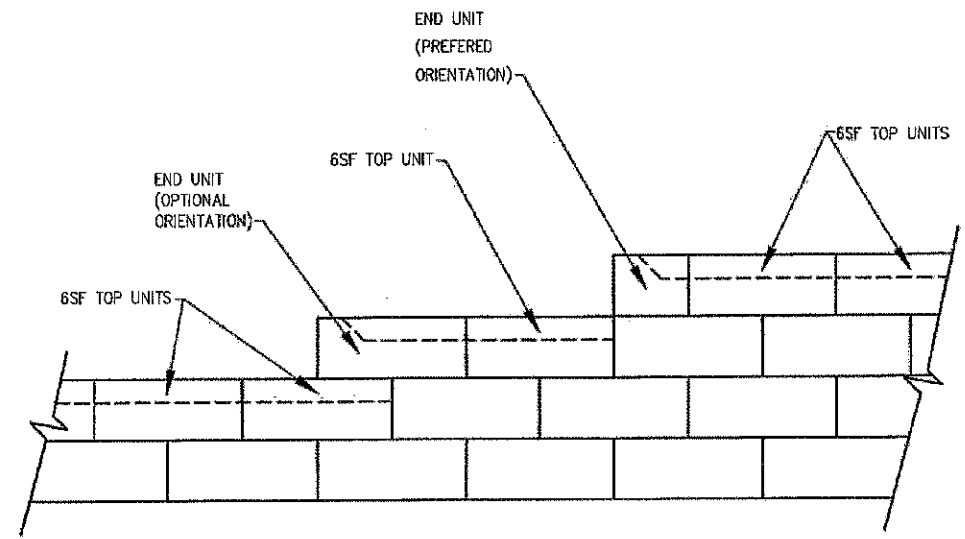
Date:
11/28/18

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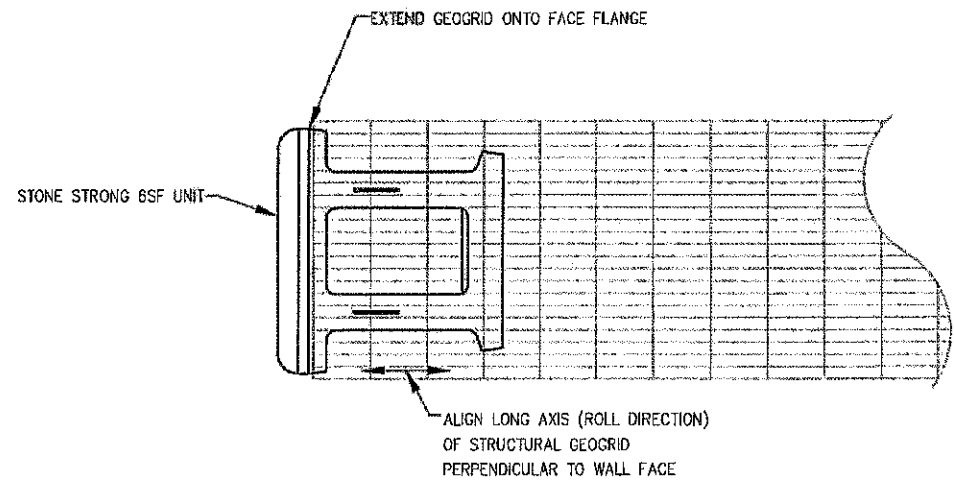
Drawing Number:
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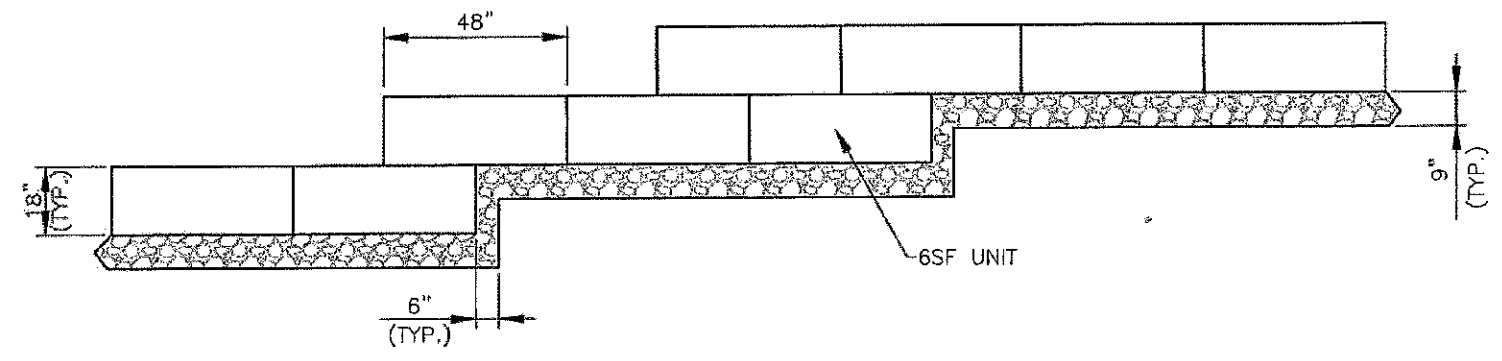
1 6SF GEOGRID PLACEMENT ON CURVES
NOT TO SCALE



2 TOP OF WALL STEPS
NOT TO SCALE



3 6SF GEOGRID ORIENTATION
NOT TO SCALE



4 6SF WALL BASE STEP
NOT TO SCALE

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No.	Submittal / For what	App'd	Date
1	ISSUED FOR PERMIT	SKS	08/29/18
2	REVISED PER COMMENT	SKS	09/24/18
3	REVISED PER COMMENT	SKS	10/15/18
4	REVISED PER COMMENT	SKS	11/24/18

Drawn: SKS Date: 08/29/18
Designed: A.D. Date: 08/29/18
Checked: A.D. Date: 08/29/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
RETAINING WALL
DETAILS

Drawing Scale:
CD
Date:
11/28/18

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Drawing Number:
C16

GRADING & EXCAVATING NOTES:

- ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUNDWATER. DEWATERING FOR EXCESS GROUNDWATER SHALL BE PROVIDED IF REQUIRED.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
- ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
- AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
- USE APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND
-BE FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS
-BE PLACED IN 6" LAYERS AND COMPACTED TO 95% STANDARD PROCTOR EXCEPT IN GRASSED/LANDSCAPED AREAS, WHERE 90% STANDARD PROCTOR
- REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
- REPLACE EXISTING GRAVEL SURFACING ON AREAS FROM WHICH GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING SHALL BE REPLACED TO MATCH EXISTING ADJACENT GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS. SURFACES OF GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL GRAVEL RESURFACING MATERIAL AS REQUIRED. BEFORE GRAVEL SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL MAY BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE, SUBJECT TO ENGINEER'S APPROVAL.
- DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
- ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
- ALL CUT AND FILL SLOPES SHALL BE MAXIMUM 2 HORIZONTAL TO 1 VERTICAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING SITE VEHICLE TRAFFIC AS TO NOT ALLOW VEHICLES LEAVING THE SITE TO TRACK MUD ONTO PUBLIC STREETS. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING PUBLIC STREETS DUE TO MUDDY VEHICLES LEAVING THE SITE.

GENERAL EROSION & SEDIMENT CONTROL NOTES:

- THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

GENERAL EROSION & SEDIMENT CONTROL NOTES:

- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
- SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
- ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
- CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

SEEDING GUIDELINES:

FINAL STABILIZATION OF ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, SHALL BE LOAMED AND SEEDED. LOAM SHALL BE PLACED AT A MINIMUM COMPACTED DEPTH OF 4". RECOMMENDED SEEDING DATES FOR PERMANENT VEGETATION SHALL BE BETWEEN JUNE 15 THROUGH AUGUST 1 AND SEPTEMBER 15 THROUGH OCTOBER 15. TEMPORARY VEGETATIVE MEASURES SHALL CONSIST OF AN ANNUAL OR PERENNIAL RYE GRASS WITH RECOMMENDED SEEDING DATES BEING FROM JUNE 1 THROUGH AUGUST 15 AND SEPTEMBER 30 THROUGH NOVEMBER 30.

EVALUATE PROPOSED COVER MATERIAL

BEFORE SPREADING COVER MATERIAL OVER THE DESIGNATED AREA, OBTAIN A REPRESENTATIVE SOIL SAMPLE AND SUBMIT TO A REPUTABLE SOIL TESTING LABORATORY FOR CHEMICAL AND PHYSICAL ANALYSIS. THE PRELIMINARY TEST IS NECESSARY TO DETERMINE THE REQUIRED INORGANIC AND/OR ORGANIC AMENDMENTS THAT ARE NEEDED TO ASSIST IN ESTABLISHING THE SEED MIXTURE IN AN ENVIRONMENTALLY AND ECONOMICALLY SOUND MANNER. THE RESULTS WILL GIVE THE COVER MATERIAL CHARACTERISTICS SUCH AS pH AND FERTILIZATION NEEDS. THESE RESULTS SHALL BE KEPT ON-SITE B THE CONTRACTOR AND AVAILABLE FOR REVIEW BY THE COUNTY.

SEED BED PREPARATION

PROPOSED COVER MATERIAL SHOULD BE SPREAD EVENLY OVER THE SITE AREA IN A MINIMUM 4" LIFT VIA BULLDOZER/BUCKET LOADER. USING THE INFORMATION FROM THE SOIL ANALYSIS, CAREFULLY CALCULATE THE QUANTITIES OF LIMESTONE AND PRE-PLANT FERTILIZER NEEDED PRIOR TO APPLYING. PRE-PLANT AMENDMENTS CAN BE APPLIED WITH A BROADCAST AND/OR DROP SEEDER AND INCORPORATED WITH AN OFFSET DISK, YORK RAKE, AND/OR HAND RAKE. AFTER INCORPORATION THE PRE-PLANT SOIL AMENDMENTS, THE SEED BED SHOULD BE SMOOTH AND FIRM PRIOR TO SEEDING. THE FOLLOWING SEED MIXTURES SHALL BE USED AS NOTED:

SEED MIXTURE

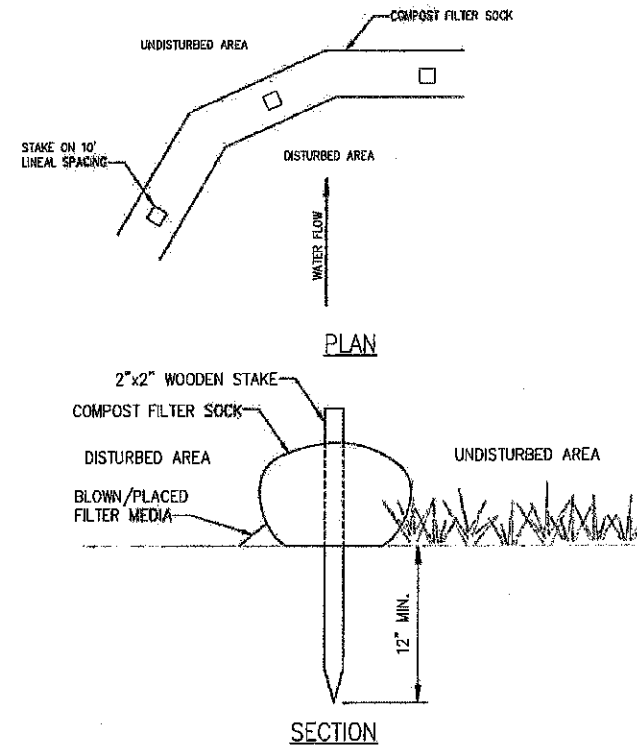
SPECIES/VARIETY	LBS/ACRE
CREeping RED FESCUE	20
KENTUCKY BLUEGRASS	20
PERENNIAL RYEGRASS	5

SEED TIME AND METHOD

THE PREFERRED TIME FOR SEEDING THE COOL SEASON MIXTURE IS LATE SUMMER. SOIL AND AIR TEMPERATURES ARE IDEAL FOR SEED GERMINATION AND SEEDING GROWTH. WEED COMPETITION IS REDUCED BECAUSE SEEDS OF MANY WEED SPECIES GERMINATE EARLIER IN THE GROWING SEASON. ADDITIONALLY, HERBICIDE USE IS GREATLY REDUCED. HOWEVER, SEEDING MAY BE DONE AT ANY OF THE ABOVE NOTED TIMES.

MULCHING

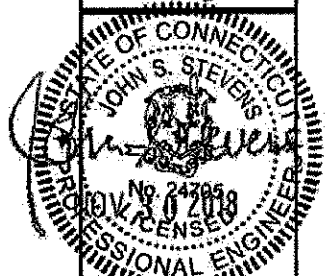
NEWLY SEEDD AREAS SHOULD BE MULCHED TO INSURE ADEQUATE MOISTURE FOR SUCCESSFUL TURF ESTABLISHMENT AND TO PROTECT AGAINST SURFACE MOVEMENT OF SEDIMENT-BOUND AGROCHEMICALS AND SOIL EROSION. IF MULCHING PROCEDURES ARE NOT SPECIFIED ON PLANS, APPLY GOOD QUALITY STRAW OR HAY AT A RATE OF 2 BALES/1000 SQ. FT. OTHER COMMERCIALY AVAILABLE MULCHES CAN BE USED.



- NOTES:**
- FILTER SOCK SHALL BE INSTALLED ON EXISTING LEVEL GRADE.
 - TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 - ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 - SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTO DEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.



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No.	Description	App'd	Date
1	ISSUED FOR PERMIT	JS	11/28/18
3	REVISED PER COMMENT	JS	10/17/18
7	REVISED PER COMMENT	JS	10/25/18
1	REVISED PER COMMENT	JS	09/24/18
0	ISSUED FOR PERMIT	JS	09/19/18

Project Number: 502-000

Project Title: **GLASTONBURY**
CT-0007A
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06073

Prepared For: **Eco-Site**

Drawing Title: **GRADING & EROSION CONTROL NOTES & DETAILS**

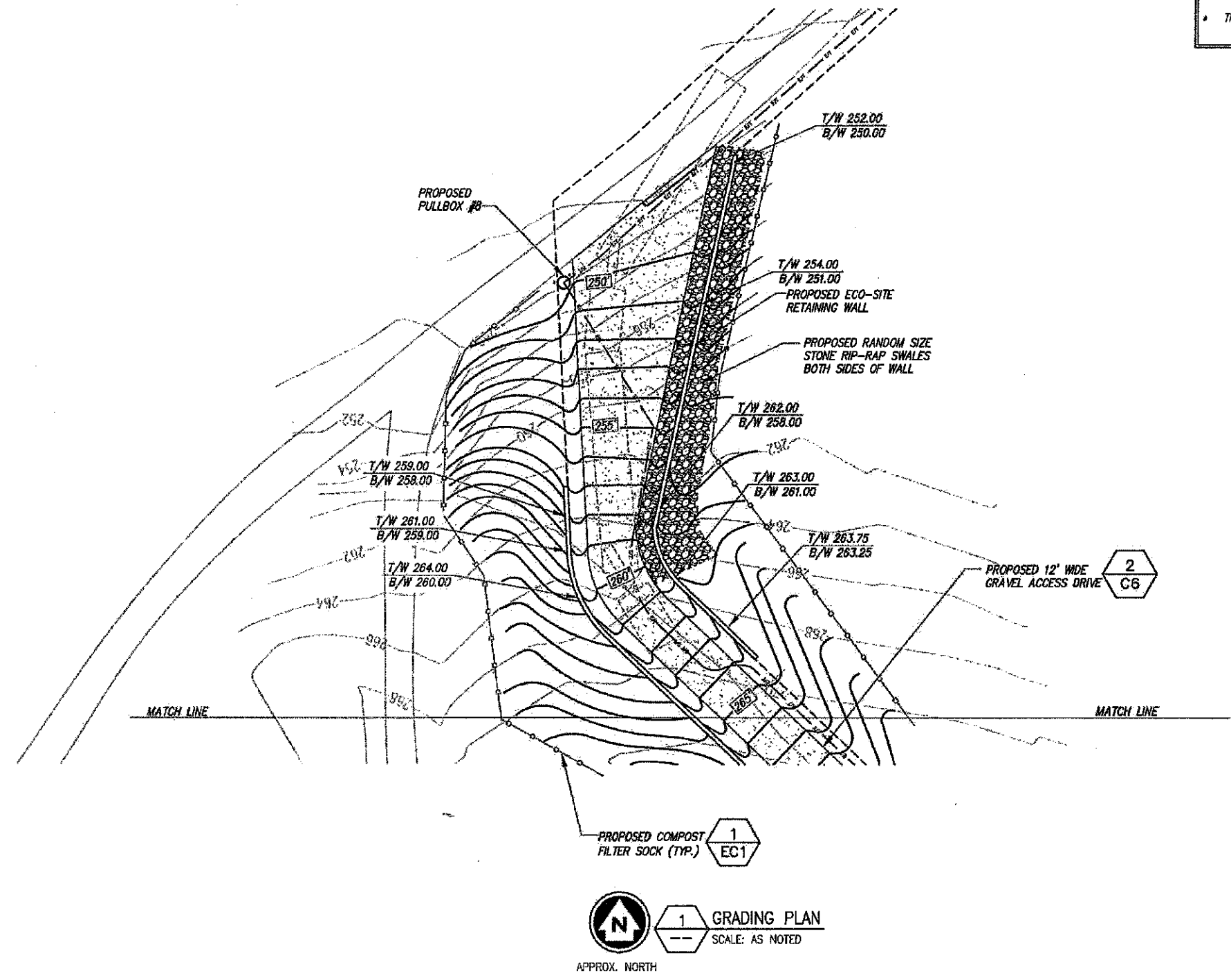
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 Date: 11/28/18

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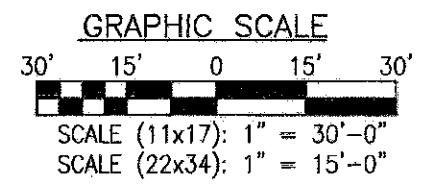
Drawing Number: **EC1**

TREE REMOVAL NOTE:

- IT IS ASSUMED THAT ONE TREE MEASURING 6" DBH OR GREATER EXISTS FOR EVERY 400 SQUARE FEET OF AREA TO BE IMPROVED.
- BASED ON A LEASE AREA OF 100'x100' AND A NEW ACCESS DRIVE CONSISTING OF 40,000 SQFT OF DISTURBANCE, THE TOTAL AREA TO BE CLEARED IS:
 $[(100)(100)] + [40,000] = 50,000$ SQUARE FEET
- ADDING AN APPROXIMATE 10% CONTINGENCY, THE TOTAL AREA TO BE CLEARED IS 55,000 SQUARE FEET.
- THEREFORE THE ESTIMATED NUMBER OF TREES TO BE CLEARED IS:
 $55,000/400 = 138$ TREES



BASEMAPPING INFORMATION BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY INFINIGY ENGINEERING ON 5/17/16 AND SURVEY COMPLETED BY CLIMAX DEVELOPMENT, SIGNED AND STAMPED BY EARLE C. NEWMAN ON 11/18/16.



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STATE OF CONNECTICUT
 JOHN S. STEVENS
 No. 24705
 PROFESSIONAL ENGINEER

4	REVISION	11/24/18
3	REVISION FOR COMMENT	10/22/18
2	REVISION FOR COMMENT	10/20/18
1	REVISION FOR COMMENT	09/14/18
0	ISSUED FOR PERMIT	08/29/18

Drawn: *SB* Date: 08/29/18
 Designed: *LD* Date: 08/29/18
 Checked: *LD* Date: 08/29/18

Project Number: 502-900

Project Title: GLASTONBURY
 CT-0007A
 63-80 WOODLAND STREET
 GLASTONBURY, CT 06073

Prepared For: Eco-Site

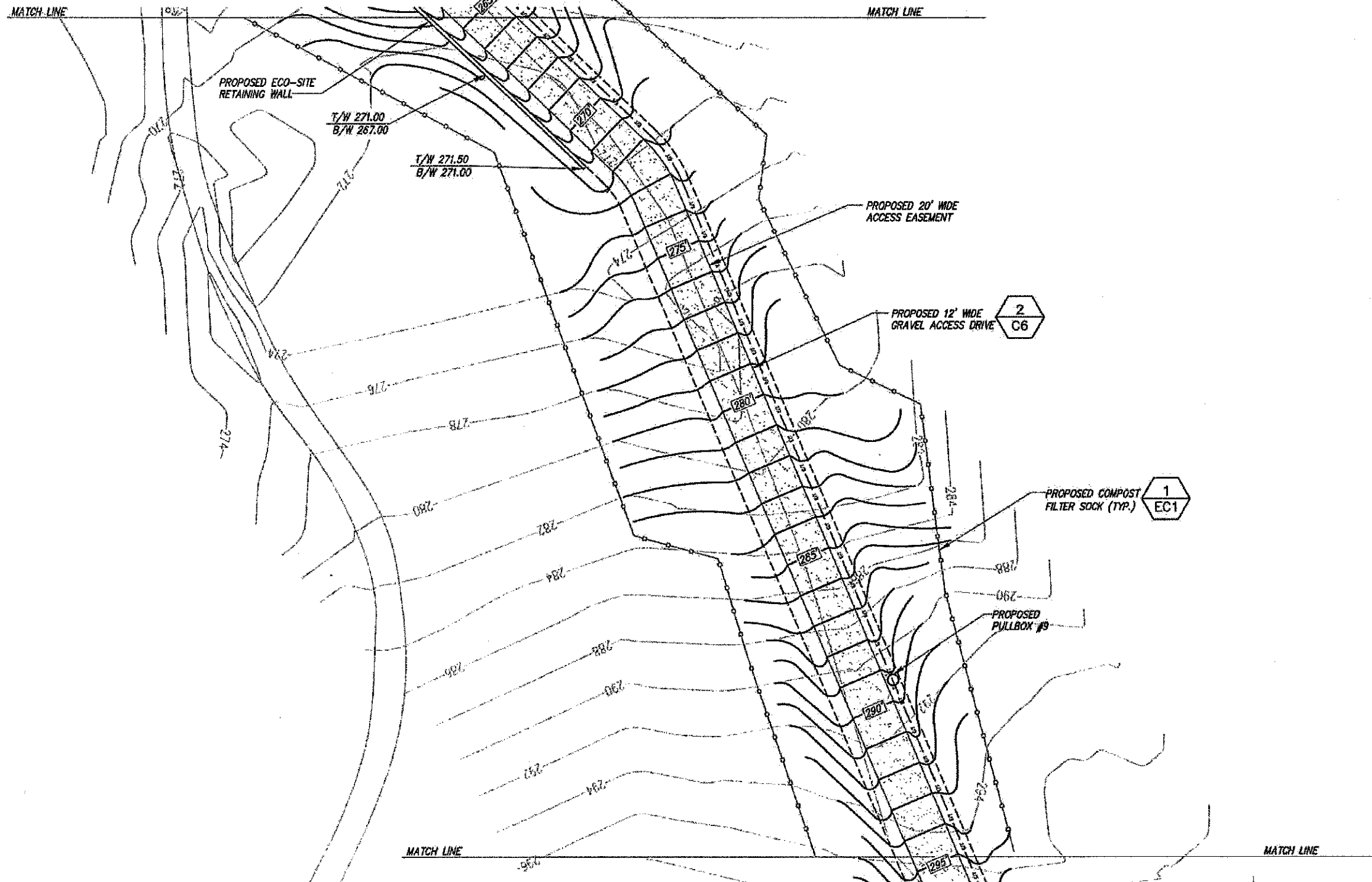
Drawing Title: GRADING PLAN

Drawing Scale: CD

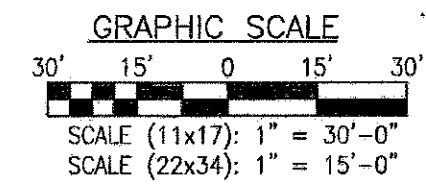
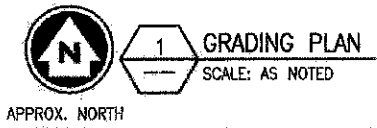
Date: 11/28/18

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Drawing Number: EC2



BASEMAPPING INFORMATION BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY INFINIGY ENGINEERING ON 5/17/18 AND SURVEY COMPLETED BY CLIMAX DEVELOPMENT, SIGNED AND STAMPED BY EARLE C. NEWMAN ON 11/18/16.



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No.	Submittal/Revision	Date
1	ISSUED FOR COMMENT	08/11/2018
2	REVISED PER COMMENT	08/15/2018
3	REVISED PER COMMENT	08/16/2018
4	REVISED PER COMMENT	08/21/2018
5	ISSUED FOR PERMIT	08/23/2018

Drawn: B.G. Date: 08/23/18
 Designed: E.D. Date: 08/23/18
 Checked: A.P. Date: 08/23/18

Project Number: 502-000

Project Title:
GLASTONBURY
 CT-0007A

63-80 WOODLAND STREET
 GLASTONBURY, CT 06033

Prepared For:
Eco-Site

Drawing Title:
 GRADING PLAN
 CONTINUED

Drawing Scale:
CD

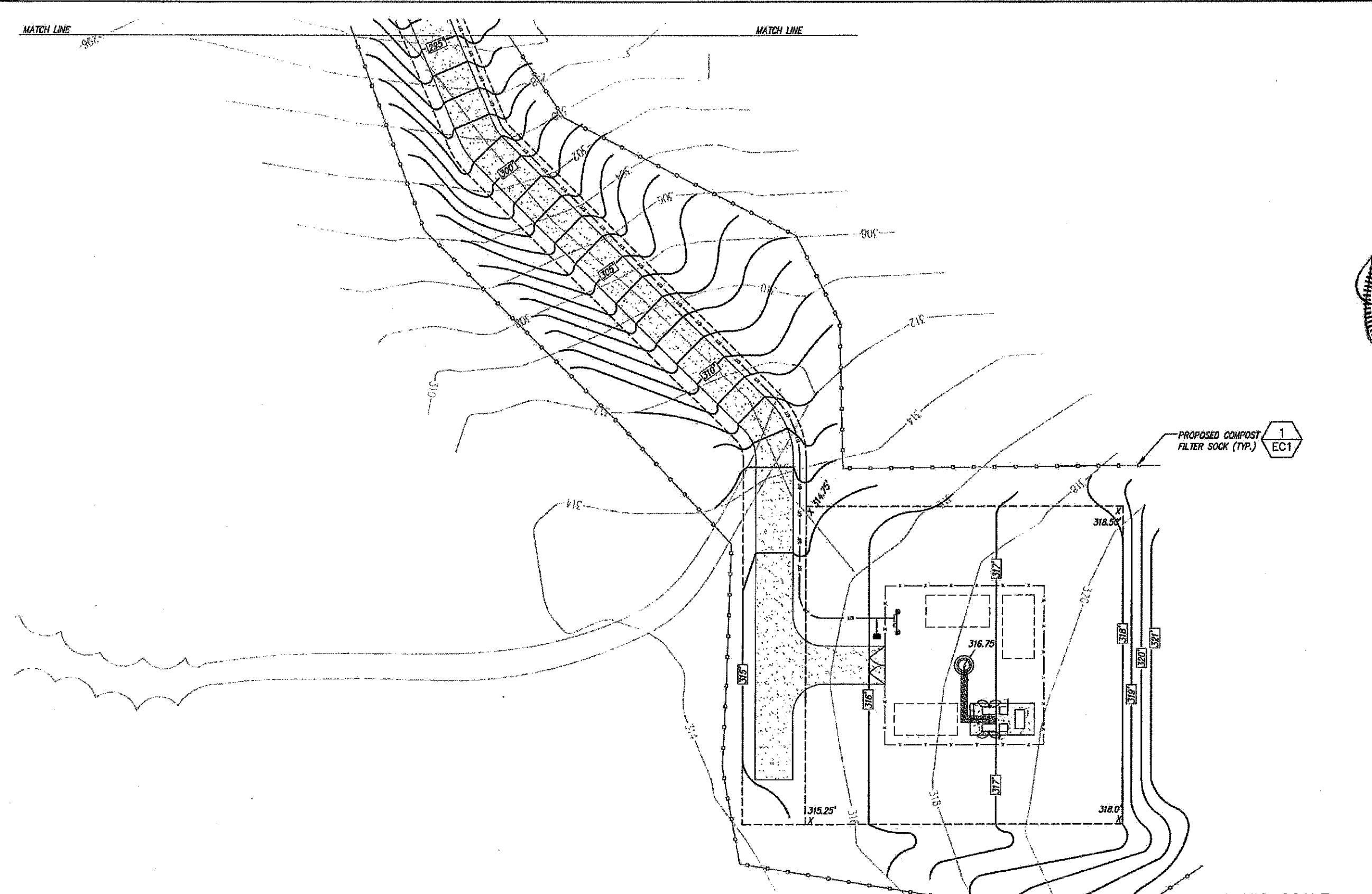
Date:
 11/28/18

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Drawing Number:
EC3

MATCH LINE

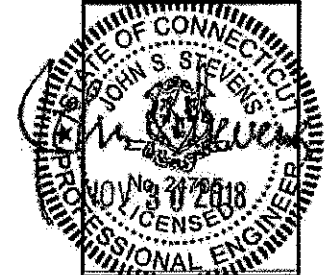
MATCH LINE



PROPOSED COMPOST
FILTER SOCK (TYP.)

1
EC1

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4	REVISED PER COMMENT	SKB	11/29/18
3	REVISED PER COMMENT	SKB	10/12/18
2	REVISED PER COMMENT	SKB	10/04/18
1	REVISED PER COMMENT	SKB	09/24/18
0	ISSUED FOR PERMIT	SKB	08/20/18
Rev.	Submittal / Revision	(App'd)	Date

Drawn: SKB Date: 08/20/18
Designed: AD Date: 08/20/18
Checked: AD Date: 08/20/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
**GRADING PLAN
CONTINUED**

Drawing Scale:
CD

Date:
11/29/18

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Drawing Number:
EC4

BASEMAPPING INFORMATION BASED ON INFORMATION
OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION
PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY
INFINIGY ENGINEERING ON 5/17/16 AND SURVEY
COMPLETED BY CLIMAX DEVELOPMENT OF W.N.Y.,
TITLED "GLASTONBURY", DATED 6/14/16.

1 GRADING PLAN
SCALE: AS NOTED

APPROX. NORTH

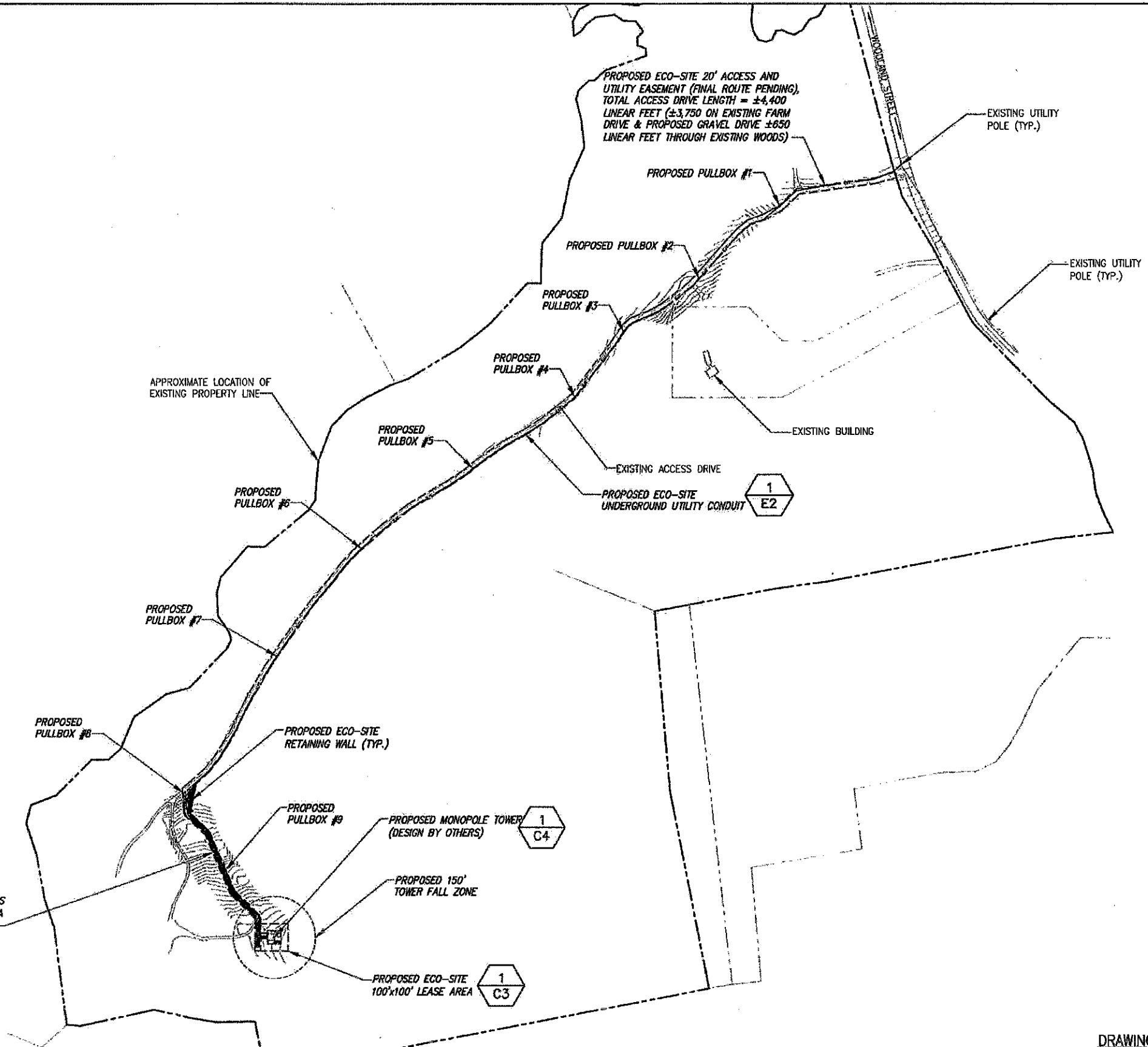
GRAPHIC SCALE

30' 15' 0 15' 30'

SCALE (11x17): 1" = 30'-0"
SCALE (22x34): 1" = 15'-0"

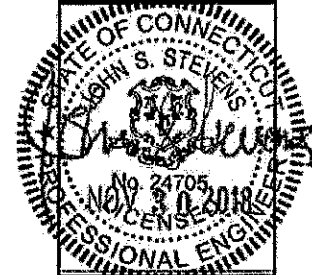
NOTE:
ROUTE OF UTILITY IS TO FOLLOW ACCESS EASEMENT
UNLESS OTHERWISE DIRECTED BY UTILITY COMPANY

Distance Between Pull Boxes	
Utility Pole to Pull Box #1	500 Feet
Pull Box #1--> Pull Box #2	400 Feet
Pull Box #2--> Pull Box #3	340 Feet
Pull Box #3--> Pull Box #4	300 Feet
Pull Box #4--> Pull Box #5	450 Feet
Pull Box #5--> Pull Box #6	500 Feet
Pull Box #6--> Pull Box #7	500 Feet
Pull Box #7--> Pull Box #8	630 Feet
Pull Box #8--> Pull Box #9	325 Feet
Pull Box #9--> Transformer	325 Feet



BASEMAPPING INFORMATION BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY INFINIGY ENGINEERING ON 5/17/16 AND SURVEY COMPLETED BY CLIMAX DEVELOPMENT OF W.N.Y. TITLED "GLASTONBURY", DATED 6/14/16.

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No.	Submitted / Revised	App'd	Date
4	REVISED PER COMMENT	SHS	11/28/18
3	REVISED PER COMMENT	SHS	10/12/18
2	REVISED PER COMMENT	SHS	10/05/18
1	REVISED PER COMMENT	SHS	09/24/18
0	ISSUED FOR PERMIT	SHS	08/26/18

Drawn: SHS Date: 06/29/18
Designed: A.G. Date: 06/28/18
Checked: A.G. Date: 08/20/18

Project Number:
502-000

Project Title:
GLASTONBURY
CT-0007A

63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
OVERALL UTILITY PLAN

Drawing Scale:
CD

Date:
11/28/18

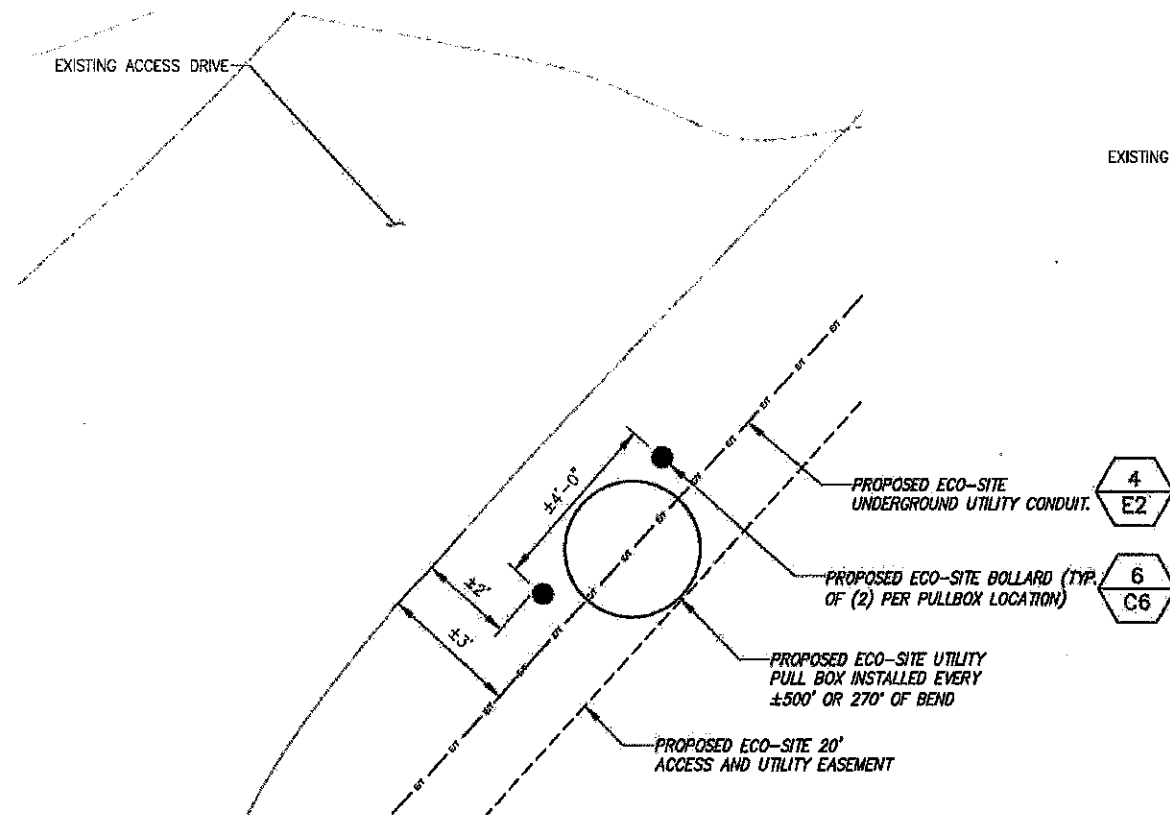
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Drawing Number:
E1

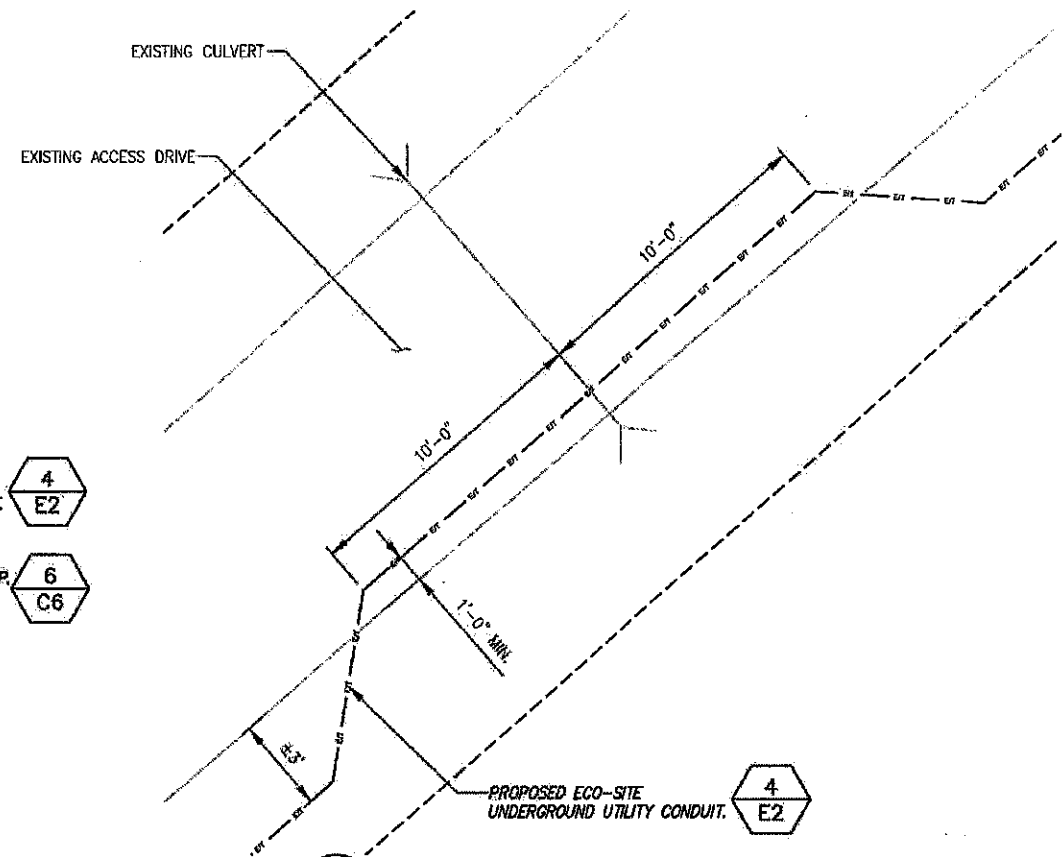
OVERALL UTILITY PLAN
SCALE: AS NOTED

DRAWING SCALE
400' 200' 0 200' 400'
SCALE (11x17): 1" = 400'-0"
SCALE (22x34): 1" = 200'-0"

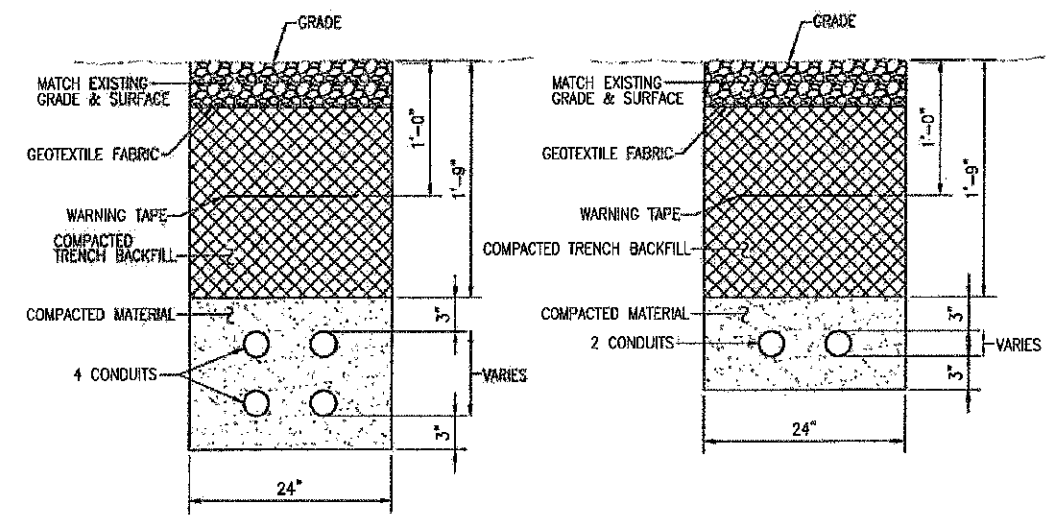
NOTE:
ROUTE OF UTILITY IS TO FOLLOW ACCESS EASEMENT
UNLESS OTHERWISE DIRECTED BY UTILITY COMPANY



1 TYPICAL PULL BOX INSTALLATION DETAIL
SCALE: AS NOTED
APPROX. NORTH



2 TYPICAL U/G CONDUIT ROUTING @ CULVERT
SCALE: AS NOTED
APPROX. NORTH

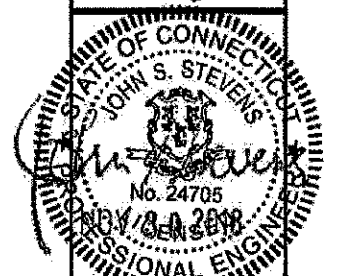


4 TYPICAL ELECTRICAL COMMUNICATION TRENCH DETAILS
NOT TO SCALE

3 DETAIL NOT USED
SCALE: AS NOTED

BASEMAPPING INFORMATION BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY, INFORMATION PROVIDED BY ECO-SITE, A SITE WALK COMPLETED BY INFINIGY ENGINEERING ON 5/17/16 AND SURVEY COMPLETED BY CLIMAX DEVELOPMENT OF W.N.Y. TITLED "GLASTONBURY", DATED 6/14/16.

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4	REVISION PER COMMENT	SNB	11/29/16
3	REVISION PER COMMENT	SNB	10/12/16
2	REVISION PER COMMENT	SNB	10/05/16
1	REVISION PER COMMENT	SNB	09/24/16
0	ISSUED FOR PERMIT	SNB	08/25/16
No.	Submitted / Revision	App'd	Date

Drawn: SNB Date: 08/25/16
Designed: AD Date: 08/25/16
Checked: AD Date: 08/25/16
Project Number: 302-000
Project Title: GLASTONBURY
CT-0007A
63-80 WOODLAND STREET
GLASTONBURY, CT 06073

Prepared For:
Eco-Site

Drawing Title:
UTILITY ROUTING DETAILS

Drawing Scale:
CD
Date:
11/28/16

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Drawing Number:
E2