

October 18, 2018

Connecticut Siting Counsel  
10 Franklin Square  
New Britain, CT 06051

RE: **DOCKET NO. 480** – SectorSite LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility on town-owned property behind the Southwest Fire Station located at 2 Westwoods Drive, Farmington, Connecticut. Development and Management Plan.

Dear Ms. Bachman:

Please find below SectorSite's responses to the interrogatories and referenced documents attached. Also, enclosed are 15 copies, an original and a copy will be sent via electronic mail.

1. CSC question/comment: Indicate what Town of Farmington officials received a copy of the D&M Plan.

*Response: Town of Farmington Clerk and William Warner, Town Planner*

2. CSC question/comment: D&M Plan Sheet C-4 depicts 4 FAA required floodlights within the compound. Provide specifications of the FAA lighting, light mounts, placement of power wiring and emergency backup power source.

*Response: Updated drawings attached.*

3. CSC question/comment: Provide procedures for notifying the FAA of the presence of an unlit structure in the event the FAA lighting emergency power systems fails or runs out of fuel.

*Response: SectorSite will follow the FAA Light Outage Reporting requirements. As required in the attached. As such, any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, will be reported immediately to (877) 487-6867 so a Notice to Airmen. (NOTAM) can be issued. Start of Activity/End of Validity will be provided to the same number when reporting. As soon as the normal operation is restored, notification will be sent.*

4. CSC question/comment: Provide specifications of the flag to be installed on the facility.

*Response: Specifications attached*

CSC question/comment: Indicate what entity is responsible for the daily maintenance of the flag, and replacement of the flag, when necessary.

*Response: Town of Farmington is responsible for the daily maintenance of the flag and SectorSite is responsible for replacement of the flag when necessary.*

5. CSC question/comment: Provide specifications/fuel source of the proposed “community generator”.

Response: Specifications attached

CSC question: Is the community generator intended to be a shared emergency generator for future carriers?

*Response: Yes*

CSC questions: What is the anticipated run time before refueling, assuming two carriers were using the community generator?

*Response: Run time for the generator is approximately 121 hours.*

6. CSC question: What is the composition (e.g. grass-lined, rip rap, fiber blankets) of the proposed swales?

*Response: The proposed Swales will be Grass-Lined*

7. CSC question: Is any landscaping proposed?

*Response: Landscape is not proposed. The site is located within a cornfield and the property will continue to be used for farming while the tower is constructed and operating.*

8. CSC question: When does SectorSite intend to have the flagpole and compound fully constructed?

*Response: SectorSite will commence construction within 2 weeks from receipt of all required permits and approval. The estimated completion of the flagpole and compound is 45-60 days from start of construction.*

CSC question: When does T-Mobile intend to locate on the facility?

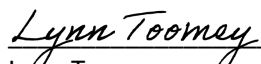
*Response: T-Mobile will be installing their equipment upon construction completion of the proposed tower.*

Question: What entity would install T-Mobile’s ground equipment and antennas?

*Response: T-Mobile does not have any specific contractor under contract to perform the installation of their antennas and ground equipment. Upon approval of the proposed tower, T-Mobile will pursue competitive bids from experienced industry general contractors and award according to costs, experience and crew availability.*

Please contact me should you have any questions or comments.

Very truly yours,

  
\_\_\_\_\_  
Lynn Toomey  
Dir. Real Estate  
908-4560-485



RECEIVED FOR RECORD  
FARMINGTON TOWN CLERK

2018 SEP 25 AM 9:39

VOL \_\_\_\_\_ PG \_\_\_\_\_  
BY *Paula B. Ray*  
TOWN CLERK

September 24, 2018

Town of Farmington  
Town Clerk  
One Monteith Drive  
Farmington, CT 06032

Re: Docket 480 Development and Management Plan submission in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies

To Whom It May Concern:

For your review, enclosed are the following documents submitted to Connecticut Siting Council prepared for the Development and Management Plan (D & M Plan):

1. One full sized sets of drawings.
2. Geotechnical Report
3. Tower and foundation design

The site work shall start after SectorSite receives Siting Council approval of the D&M Plan. The work shall be performed during the hours of 8 am to 5 pm, Monday through Saturday.

The supervisor of the site work will be:

Scott Murdoch  
Director of Construction  
SectorSite, LLC  
(732) 232-4083  
[Smurdoch@sectorsite.com](mailto:Smurdoch@sectorsite.com)

Please contact me should you have any questions or comments.

Very truly yours,

*Lynn Toomey*  
Lynn Toomey  
Dir. Real Estate  
908-456-0485

Cc: Town of Farmington



PROJECT SUMMARY	
SCOPE OF WORK:	SectorSite, LLC. IS PROPOSING TO INSTALL THE FOLLOWING IMPROVEMENTS:  130' FLAGPOLE 48'x48' FENCED COMPOUND POWER AND TELCO UTILITIES T-MOBILE EQUIPMENT CABINET & COMMUNITY GENERATOR ON (2) CONCRETE PADS (6) T-MOBILE ANTENNAS, WITH ASSOCIATED CABLING AND APPURTENANCES INSIDE THE FLAGPOLE.
SITE ADDRESS:	2 WESTWOODS DRIVE FARMINGTON, CT 06032
LATITUDE:	41° 42' 37.40" N
LONGITUDE:	72° 52' 54.90" W
PROPERTY OWNER:	TOWN OF FARMINGTON 1 MONTEITH DRIVE FARMINGTON, CT 06032
TAX MAP#:	125-5
POWER COMPANY:	EVERSOURCE
TELEPHONE COMPANY:	FRONTIER COMMUNICATIONS
TOWER OWNER/APPLICANT:	SectorSite, LLC P.O. BOX 118 CONVENT STATION, NJ 07961
CO APPLICANT:	T-MOBILE 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002
PROJECT ENGINEERING:	DOUG ROBERTS, AIA. HUDSON DESIGN GROUP, LLC. 45 BEECHWOOD DRIVE NORTH ANDOVER, CT 01845

GENERAL NOTES:

- THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF SectorSite, LLC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
- THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.

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SECTOR SITE SITE AQUISION
SECTOR SITE SITE AQUISION
ATTORNEY
OTHER

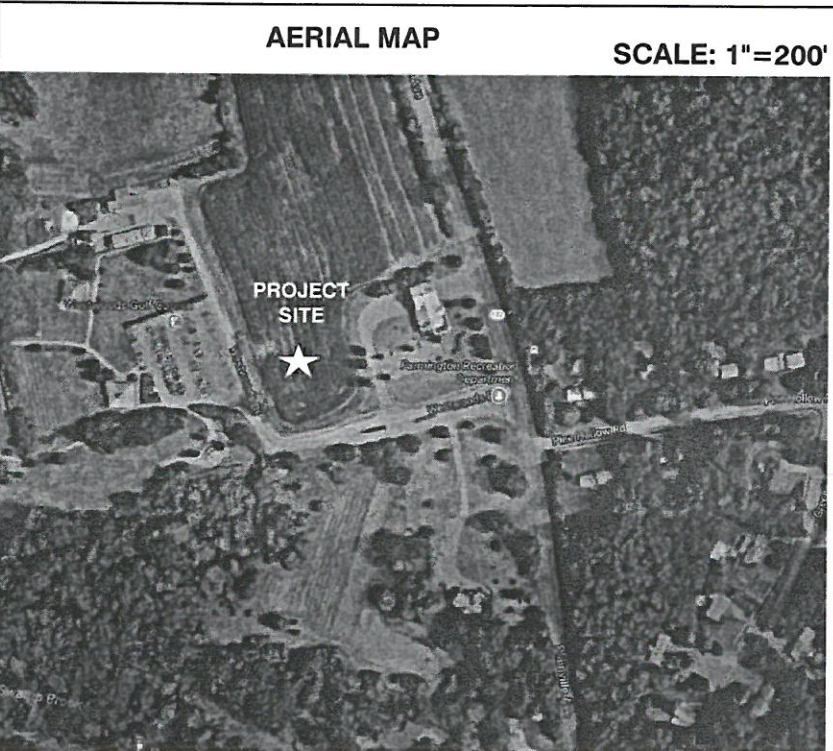
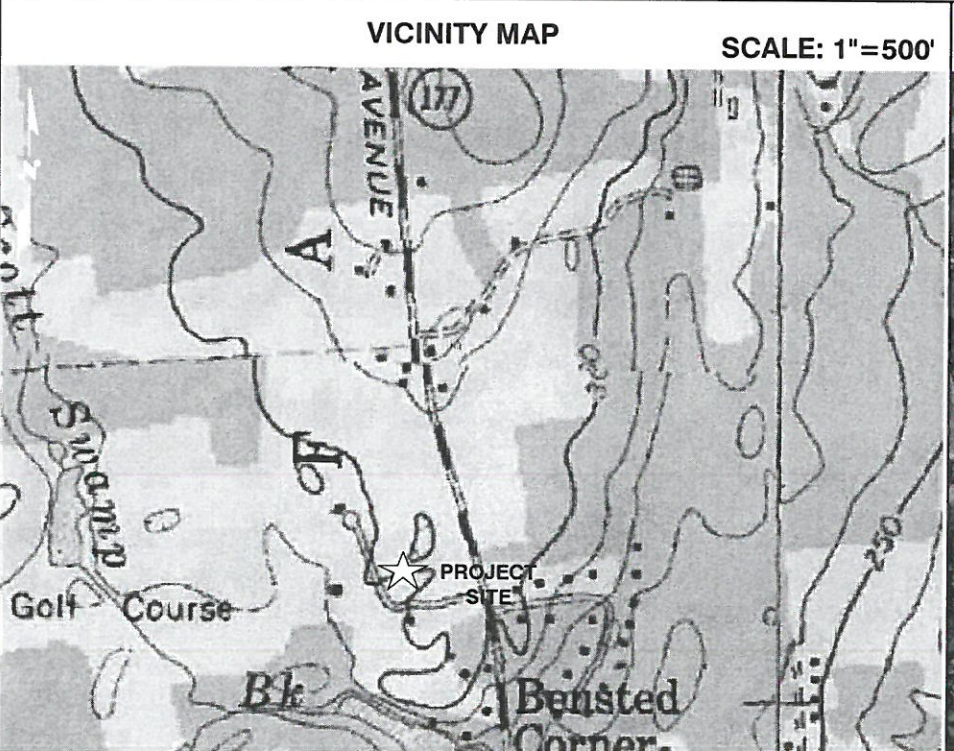


**SITE NUMBER: CT-119**

**SITE NAME: FARMINGTON SOUTHWEST FIRE DEPT.  
DEVELOPMENT & MANAGEMENT PLAN - DOCKET NO.480**

WORK WILL BE PERFORMED MONDAY THRU SATURDAY, FROM 8AM TO 5PM

T-MOBILE SITE ID: CTHA112A



CHECKED BY: DJR

APPROVED BY: DPH

SUBMITTALS			
REV.	DATE	DESCRIPTION	BY
3	10/17/18	REVISED PER COMMENTS	KAM
2	09/21/18	REVISED PER COMMENTS	KAM
1	07/31/18	ADDED COMMON GENERATOR	SLY
0	06/08/18	ISSUED FOR REVIEW	KB/KAM

SITE NAME:  
**FARMINGTON SOUTHWEST FIRE DEPT.**  
SITE NUMBER:  
**CT-119**  
T-MOBILE SITE ID: CTHA112A  
SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER  
**T-1**



LOCUS  
125-5  
2 WESTWOODS DRIVE  
N/F  
TOWN OF FARMINGTON  
1 MONTEITH DRIVE  
FARMINGTON, CT 06032  
AREA = 230.6 AC.±

**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- - - ABUTTERS PROPERTY LINE
- - - CONTOUR MINOR
- - - CONTOUR MAJOR

**SITE SPECIFIC NOTES:**

1. FIELD SURVEY DATE: 9/14/2017
2. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
3. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88)
4. OWNER: TOWN OF FARMINGTON  
1 MONTEITH DRIVE  
FARMINGTON, CT 06032
5. SITE NAME: CT-119
6. SITE ADDRESS: 2 WESTWOODS DRIVE  
FARMINGTON, CT 06032
7. APPLICANT: SECTORSITE, LLC
8. JURISDICTION: TOWN OF FARMINGTON
9. TAX ID: 125-5
10. DEED REFERENCE: BOOK 274 PAGE 1075
11. PLAN REFERENCE: PLAN 3098-C-50
12. ZONING DISTRICT: R40
13. THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM AN RTK GPS SURVEY.
14. ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE 1-800-322-4944 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
15. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN AN AREA DESIGNATED AS ZONE X (UNSHADED), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. COMMUNITY PANEL NO. 09003C 0459 F EFFECTIVE DATE: 9/26/2008
16. FIELD SURVEY BY EDM TOTAL STATION.
17. THIS IS NOT A BOUNDARY SURVEY.
18. ALL PROPERTY LINES SHOWN ARE FROM DEEDS, PLANS OF RECORD, AND CONNECTICUT PARCEL GIS AND ARE APPROXIMATE ONLY.
19. ABUTTING PROPERTY LINES, ABUTTING STREET LINES AND ABUTTING BUILDING LOCATIONS ARE AS TAKEN FROM DEEDS, REFERENCE PLANS, THE TOWN OF FARMINGTON ASSESSORS' MAPS & GIS AND ARE APPROXIMATE ONLY.
20. NO WETLAND DELINEATION WAS FOUND DURING THE SURVEY.

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

TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY  
BOUNDARY SURVEY CATEGORY: DEPENDENT RESURVEY  
CLASS OF ACCURACY: HORIZONTAL CLASS 0  
                          TOPOGRAPHIC CLASS T-2  
PURPOSE OF SURVEY: PROPOSED CELLULAR ANTENNA

PROPERTY LINES SHOWN HEREON ARE FROM RECORD DEEDS, PLANS, AND GIS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY LINE SURVEY WAS NOT PERFORMED BY NORTHEAST SURVEY CONSULTANTS, P.C. OR ITS AFFILIATES, AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/ BOUNDARY OPINION.

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE LIVE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED PROFESSIONAL. UNAUTHORIZED ALTERATIONS RENDER ANY DECLARATION NULL AND VOID.

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

*Charles G. Bidman*  
CHARLES G. BIDMAN, P.L.S. #70103



SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586

**NORTHEAST SURVEY CONSULTANTS**

116 Pleasant St. Ste. 302  
P.O. Box 109  
Easthampton, MA 01027  
(413) 203-5144  
northeastsurvey.com



CHECKED BY: BCF

APPROVED BY: CGG

**SUBMITTALS**

REV.	DATE	DESCRIPTION	BY
0	10/04/17	ISSUED FOR REVIEW	BCF

SITE NAME:  
**FARMINGTON  
SOUTHWEST FIRE DEPT.**

SITE NUMBER:  
**CT-119**  
T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**ABUTTERS  
PLAN**

SHEET NUMBER  
**C-1**

## BRISTOL ABUTTER PARCELS

49-9  
2 OLD TURNPIKE RD  
PAWELCZYK, GEORGE T & JUDITH L  
2 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-10  
6 OLD TURNPIKE RD  
CARLSON, GARY R & MARIANNE E  
6 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-11  
16 OLD TURNPIKE RD  
KANDYBOWICZ, KRYSZYNA & TADEUSZ  
16 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-12  
26 OLD TURNPIKE RD  
FOX, LAURENCE J & JANICE M  
26 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-13  
36 OLD TURNPIKE RD  
RONDEAU, KENNETH A II & CAROL E  
36 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-14  
46 OLD TURNPIKE RD  
DIMATTIA, ULDERICO & ROSINA I  
46 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-15  
58 OLD TURNPIKE RD  
DOBRYNSKI, JOAN L ESTATE OF  
174 RED OAK HILL RD  
FARMINGTON, CT 06032

49-16  
68 OLD TURNPIKE RD  
ADORNO, SEBASTIAN & JENNIFER A  
68 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-17  
78 OLD TURNPIKE RD  
BURKE, SEAN & JESSICA V  
78 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-18  
88 OLD TURNPIKE RD  
LEVINS, JAMES R & ROCHELLE O  
88 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-19  
98 OLD TURNPIKE RD  
DEMAREST, JEFFREY S & JESSICA M  
98 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-20  
108 OLD TURNPIKE RD  
BRUNI, THOMAS J  
108 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-20  
327 IVY DR  
LOWREY, JAMES J & LESLIE R  
327 IVY DR  
BRISTOL, CT 06010

49-20-1  
IVY DR  
BRISTOL, CITY OF  
111 NORTH MAIN ST  
BRISTOL, CT 0601

49-21  
118 OLD TURNPIKE RD  
WASHBURN, GORDON W & TEXIE, ANN L U  
118 OLD TURNPIKE RD  
BRISTOL, CT 06010

49-22  
128 OLD TURNPIKE RD  
GENEST, MARC  
128 OLD TURNPIKE RD  
BRISTOL, CT 06010

50-24  
138 OLD TURNPIKE RD  
GRADY, LAURIE H & PETER M  
138 OLD TURNPIKE RD  
BRISTOL, CT 06010

50-25  
148 OLD TURNPIKE RD  
GRASSO, GERARD F & JAYNE  
148 OLD TURNPIKE RD  
BRISTOL, CT 06010

50-26  
158 OLD TURNPIKE RD  
COTE, PAUL F & SANDRA J  
158 OLD TURNPIKE RD  
BRISTOL, CT 06010

50-27  
168 OLD TURNPIKE RD  
CLEMENT, JOYCE  
168 OLD TURNPIKE RD  
BRISTOL, CT 06010

50-28  
178 OLD TURNPIKE RD  
GOULET, ALLAN & AMY  
178 OLD TURNPIKE RD  
BRISTOL, CT 06010

50-29  
188 OLD TURNPIKE RD  
LLOYD, ROYCE W & CLAUDETTE A  
188 OLD TURNPIKE RD  
BRISTOL, CT 06010

## FARMINGTON ABUTTER PARCELS

111-58A  
8138 COPE FARMS RD  
FARMINGTON TOWN OF  
1 MONTEITH DR  
FARMINGTON, CT 06032

111-59  
49 COPE FARMS RD  
WALLACE, JUDY R.  
49 COPE FARMS RD  
FARMINGTON, CT 06032

111-118  
56 TALL TIMBERS DR  
DOYON FAMILY LIVING TRUST  
56 TALL TIMBERS DR  
FARMINGTON, CT 06032

111-119  
52 TALL TIMBERS DR  
HAYHURST, WILLIAREM  
52 TALL TIMBERS DR  
FARMINGTON, CT 06032

111-120  
48 TALL TIMBERS DR  
TOMLINSON, DOUGLAS W & PATRICIA A  
48 TALL TIMBERS DR  
FARMINGTON, CT 06032

111-121  
44 TALL TIMBERS DR  
DADDARIO, SUSAN T  
44 TALL TIMBERS DR  
FARMINGTON, CT 06032

111-122  
40 TALL TIMBERS DR  
GILL, CAROL A  
40 TALL TIMBERS DR  
FARMINGTON, CT 06032

111-123  
36-TALL TIMBERS DR  
BLUM, MICHAEL C  
36-TALL TIMBERS DR  
FARMINGTON, CT 06032

111-124  
32 TALL TIMBERS DR  
ARLAUSKAS, JOHN A &  
694 LNKE SCENE DR  
VENICE, FL 34293

112-5AB  
740 PLAINVILLE AVE  
SCB HOLDINGS LLC  
70 SANFORD AVE  
UNIONVILLE, CT 06085

112-7-2  
9364 PLAINVILLE AVE  
FARMINGTON TOWN OF  
1 MONTEITH DR  
FARMINGTON, CT 06032

112-7/8A  
741 PLAINVILLE AVE  
KRELL, PATRICIA A  
397 MEADOW RD  
FARMINGTON, CT 06032

112-60  
47 COPE FARMS RD  
PRICE, DAVID K  
47 COPE FARMS RD  
FARMINGTON, CT 06032

112-61  
45 COPE FARMS RD  
SILVA, ARMENIO & JOAQUINA  
45 COPE FARMS RD  
FARMINGTON, CT 06032

112-62  
43 COPE FARMS RD  
STIERER, JACK G &  
43 COPE FARMS RD  
FARMINGTON, CT 06032

112-63  
41 COPE FARMS RD  
KU, WENDY  
41 COPE FARMS RD  
FARMINGTON, CT 06032

112-64  
39 COPE FARMS RD  
SIMONEAU, PAUL J & JOANNE M  
1250 MORSE BLVD  
SINGER ISLND FL 33404

112-65  
37 COPE FARMS RD  
BYER, JANET I  
37 COPE FARMS DR  
FARMINGTON, CT 06032

112-66  
35 COPE FARMS RD  
FEEHAN, KEVIN T  
35 COPE FARMS RD  
FARMINGTON, CT 06032

112-67  
33 COPE FARMS RD  
DALY, GERALD E &  
33 COPE FARMS RD  
FARMINGTON, CT 06032

112-67A  
8139 COPE FARMS RD  
FARMINGTON, TOWN OF  
1 MONTEITH DR  
FARMINGTON, CT 06032

112-68  
31 COPE FARMS RD  
TIWARI DHIRENDRA, KUMAR & ANUJA  
31 COPE FARMS RD  
FARMINGTON, CT 06032

112-69  
29 COPE FARMS RD  
BERLINSKI, EDWARD J  
29 COPE FARMS RD  
FARMINGTON, CT 06032

112-70  
27 COPE FARMS RD  
KIEVIT, WILLIAM F & KRISTEN P  
27 COPE FARMS RD  
FARMINGTON, CT 06032

112-73  
4 CUTLER LN  
GRAVES, LARRY R  
4 CUTLER LN  
FARMINGTON, CT 06032

112-74  
6 CUTLER LN  
FERN, BRIAN K & AUDREY M  
6 CUTLER LN  
FARMINGTON, CT 06032

112-75  
8 CUTLER LN  
KOZAK, TODD A &  
8 CUTLER LN  
FARMINGTON, CT 06032

112-76  
10 CUTLER LN  
CRUIZ, ANGEL N & HELEN L  
10 CUTLER LN  
FARMINGTON, CT 06032

112-77  
12 CUTLER LN  
GALVIN, JOHN J JR & DONNA M  
12 CUTLER LN  
FARMINGTON, CT 06032

124-54  
339 IVY DR  
SUTTER, WILLIAM F III & ROSMARIE  
339 IVY DR  
BRISTOL, CT 06010

124-55  
349 IVY DR  
MCCABE, KELLY W & LEA L  
349 IVY DR  
BRISTOL, CT 06010

125-1  
2 PINE HOLLOW RD  
JOHNSON, KENNETH E & KIMBERLY A  
2 PINE HOLLOW RD  
FARMINGTON, CT 06032

125-1  
7 BROOKSHIRE LN  
FLANDERS, JESSICA M  
7 BROOKSHIRE LN  
FARMINGTON, CT 06032

125-002  
15 BROOKSHIRE LN  
LUTKOWSKI, ANDRZEJ M & BARBARA  
15 BROOKSHIRE LN  
FARMINGTON, CT 06032

125-003  
17 BROOKSHIRE LN  
PENNITO, JAMES W & LORI A  
17 BROOKSHIRE LN  
FARMINGTON, CT 06032

125-004  
23 BROOKSHIRE LN  
MOLONY, RANDALL C & SHEILA L  
23 BROOKSHIRE LN  
FARMINGTON, CT 06032

125-005  
25 BROOKSHIRE LN  
HOPKINSON, DAVID A  
25 BROOKSHIRE LN  
FARMINGTON, CT 06032

125-5A  
8072 BROOKSHIRE LN  
FARMINGTON, TOWN OF  
1 MONTEITH DR  
FARMINGTON, CT 06032

125-6  
798 PLAINVILLE AVE  
WESTONE, SCOTT L & SHUSDOCK, GLORIA A  
798 PLAINVILLE AVE  
FARMINGTON, CT 06032

125-6B  
796 PLAINVILLE AVE  
BERRY, JOAN R & JOHN  
796 PLAINVILLE AVE  
FARMINGTON, CT 06032

125-12  
1 GREENCREST DR  
ORMSBY, DIANE M  
1 GREENCREST DR  
FARMINGTON, CT 06032

125-13  
3 GREENCREST DR  
HELM, WALTER  
3 GREENCREST DR  
FARMINGTON, CT 06032

125-14  
5 GREENCREST DR  
ZIEBKA, MICHAEL A & CHERYL H  
5 GREENCREST DR  
FARMINGTON, CT 06032

125-18  
1 PINE HOLLOW RD  
CHEN, FEI & LI HUI, LNU  
1 PINE HOLLOW RD  
FARMINGTON, CT 06032

135-1A  
66 PEGGY LN  
SLNTER, WILLIAM T  
66 PEGGY LN  
FARMINGTON, CT 06032

135-1B  
70 PEGGY LN  
SILVER, JOHN F & SHANNON L  
70 PEGGY LN  
FARMINGTON, CT 06032

135-1C  
74 PEGGY LN  
PELTIER, MICHAEL A & KELLY  
74 PEGGY LN  
FARMINGTON, CT 06032

135-1D  
76 PEGGY LN  
MNYUKH, YURI  
76 PEGGY LN  
FARMINGTON, CT 06032

135-13/14  
46 CASE ST  
FETERA, THOMAS & KRISTIN  
46 CASE ST  
FARMINGTON, CT 06032

135-15  
61 PEGGY LN  
KOLODZIEJ, HIRONIM  
61 PEGGY LN  
FARMINGTON, CT 06032

135-28  
81 HAROLD RD  
RICHARD, ROBIN M  
81 HAROLD RD  
FARMINGTON, CT 06032

135-29  
83 HAROLD RD  
HOGERTY, JACQUELINE  
83 HAROLD RD  
FARMINGTON, CT 06032

135-30  
85 HAROLD RD  
MILLER, COLLEEN A & JAMES E  
85 HAROLD RD  
FARMINGTON, CT 06032

135-31  
87 HAROLD RD  
DREZEK, TADEUSZ & TERESE  
87 HAROLD RD  
FARMINGTON, CT 06032

135-31A  
8329 HAROLD RD  
FARMINGTON, TOWN OF  
1 MONTEITH DR  
FARMINGTON, CT 06032

135-32  
93 HAROLD RD  
WILCZAK, RAFAL S & JUSTYNA  
93 HAROLD RD  
FARMINGTON, CT 06032

135-33  
99 HAROLD RD  
MULNKA, JERZY J & ELZBIETA T  
99 HAROLD RD  
FARMINGTON, CT 06032

135-34  
103 HAROLD RD  
NGUYEN, DAVID T & DIANE H LE  
103 HAROLD RD  
FARMINGTON, CT 06032

135-35  
105 HAROLD RD  
CERASOLI, GENNARO  
105 HAROLD RD  
FARMINGTON, CT 06032

136-7  
20 INWOOD LN  
MACHADO, JORGE A & TATIANA  
20 INWOOD LN  
FARMINGTON, CT 06032

136-8  
8770 SCOTT SWAMP RD  
ROUTE 6 WESTWOODS ASSOCIATES  
6 EXECUTIVE DR  
FARMINGTON, CT 06032

136-8  
22 INWOOD LN  
WANG, TAO & YAN QIAOMEI  
22 INWOOD LN  
FARMINGTON, CT 06032

136-8A  
8391 INWOOD LN  
FARMINGTON, TOWN OF  
1 MONTEITH DR  
FARMINGTON, CT 06032

136-9/9A1  
312 SCOTT SWAMP RD  
ROUTE 6 WESTWOODS ASSOC LTD  
6 EXECUTIVE DR  
FARMINGTON, CT 06032

136-9A  
326 SCOTT SWAMP RD  
KOAPA LLC  
326 SCOTT SWAMP RD  
FARMINGTON, CT 06032

136-10  
8612 PEGGY LN  
NIMAN, JEFFERY  
21 COBBS RD  
WEST HARTFORD, CT 06107

136-47A  
8772 SCOTT SWAMP RD  
STAFFORDSHIRE ASSOCIATES  
365 BREWSTER R  
BRISTOL, CT 06010



SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586

### NORTHEAST SURVEY CONSULTANTS

116 Pleasant St. Ste. 302  
P.O. Box 109  
Easthampton, MA 01027  
(413) 203-5144  
northeastsurvey.com



CHECKED BY: BCF

APPROVED BY: CGG

### SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	10/04/17	ISSUED FOR REVIEW	BCF

SITE NAME:  
**FARMINGTON  
SOUTHWEST FIRE DEPT.**

SITE NUMBER:  
**CT-119**

T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
**2 WESTWOODS DRIVE  
FARMINGTON, CT 06032**

SHEET TITLE  
**ABUTTERS  
LIST**

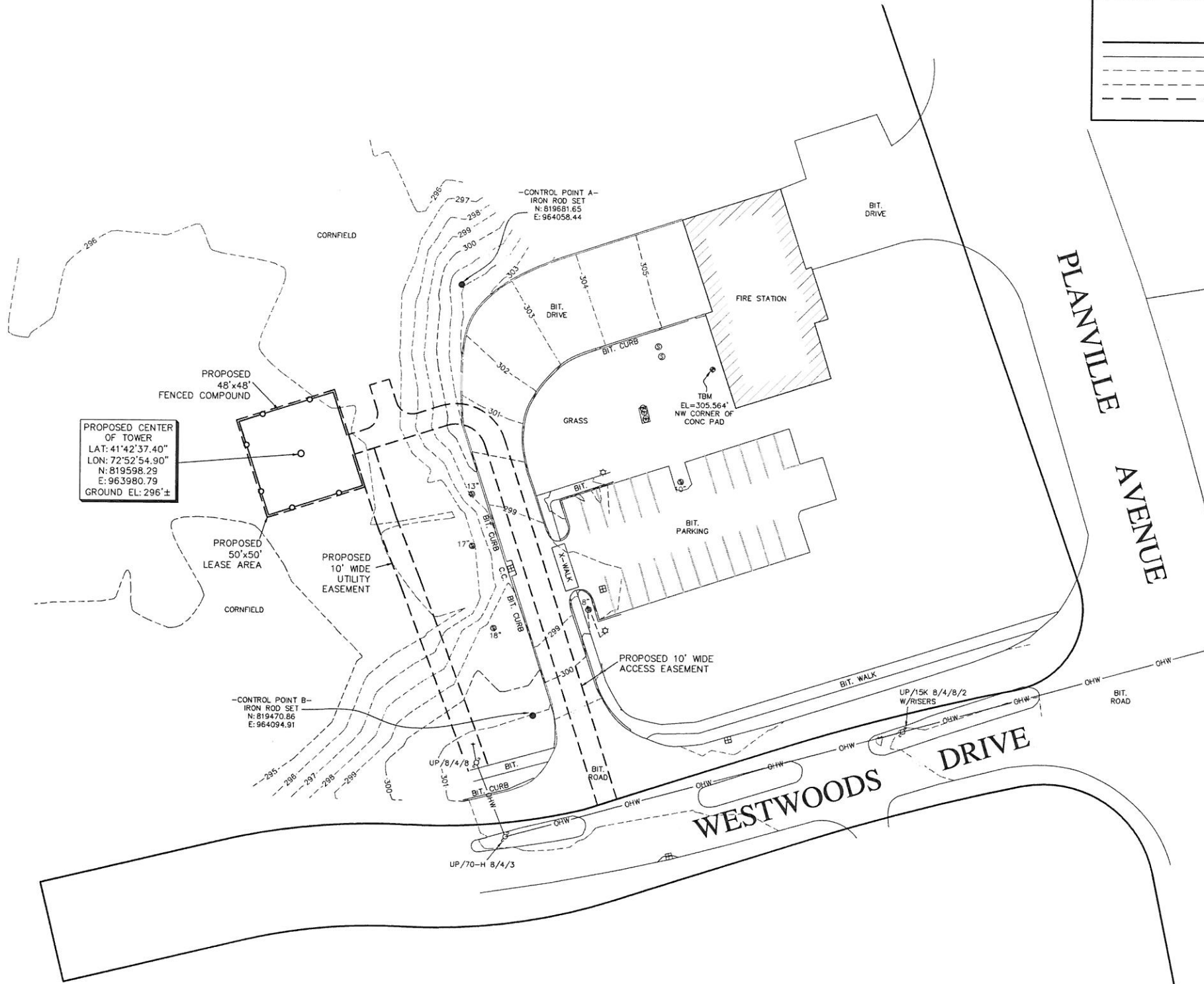
SHEET NUMBER

**C-2**



**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- - - - - CONTOUR MINOR
- - - - - CONTOUR MAJOR
- - - - - PROPOSED EASEMENT LINE



PROPOSED CENTER OF TOWER  
 LAT: 41°42'37.40"  
 LON: 72°52'54.90"  
 N: 819598.29  
 E: 963980.79  
 GROUND EL: 296'±

WEST125 5  
 2 WESTWOODS DRIVE  
 N/F  
 TOWN OF FARMINGTON  
 1 MONTEITH DRIVE  
 FARMINGTON, CT 06032  
 AREA = 230.6 AC.±



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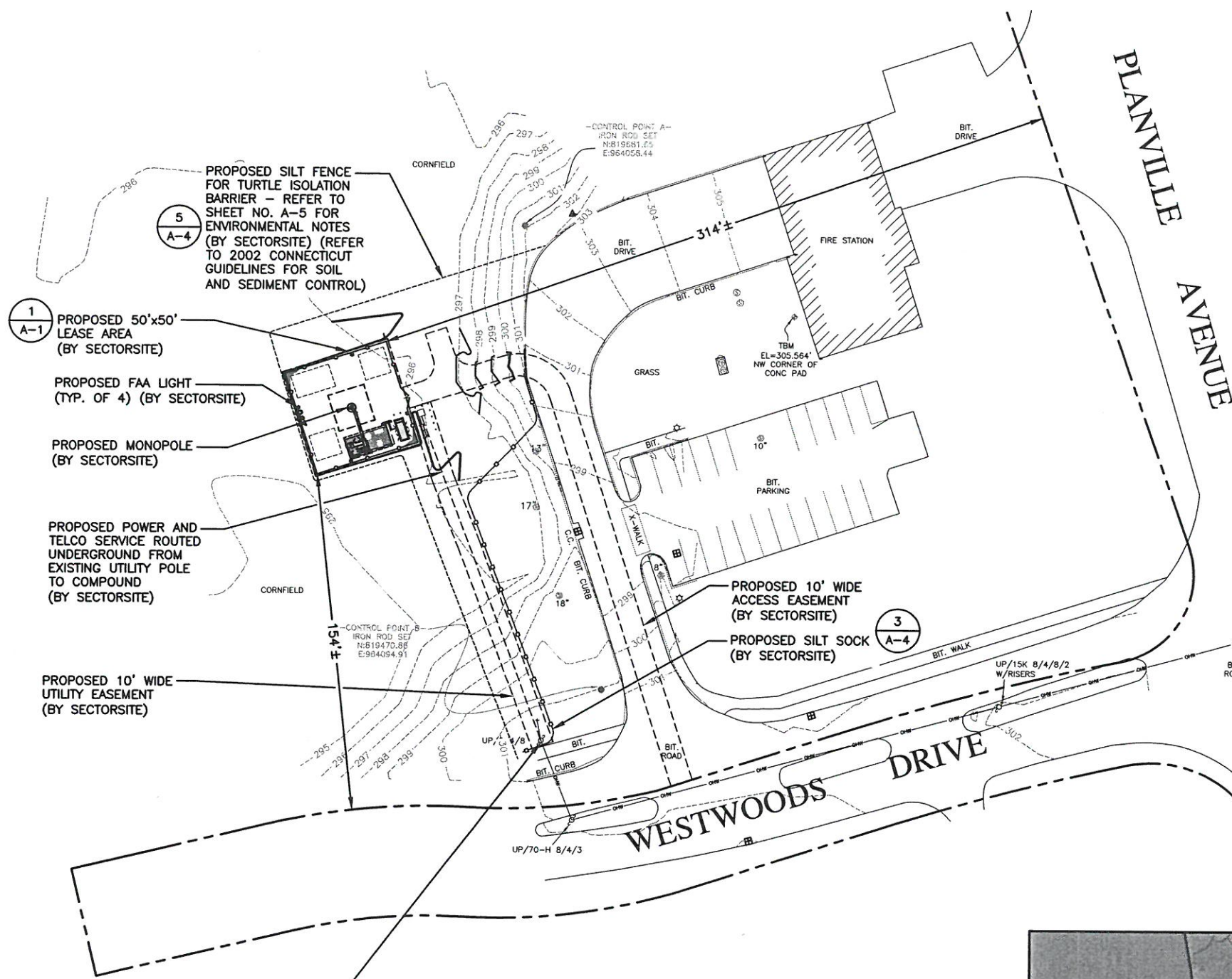
**SUBMITTALS**

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0	10/04/17	ISSUED FOR REVIEW	BCF

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**FARMINGTON  
 SOUTHWEST FIRE DEPT.**  
 SITE NUMBER:  
**CT-119**  
 T-MOBILE SITE ID: CTHA112A  
 SITE ADDRESS:  
 2 WESTWOODS DRIVE  
 FARMINGTON, CT 06032

SHEET TITLE  
**EXISTING  
 CONDITIONS  
 PLAN**

SHEET NUMBER  
**C-3**



**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- - - ABUTTERS PROPERTY LINE
- - - EXISTING CONTOUR LINE
- ~~~~~ TREE LINE
- BARBED WIRE FENCE REMAINS
- OVERHEAD WIRE
- EXISTING CHAIN LINK FENCE
- ▨ EXISTING BUILDING
- CB [ ] CATCH BASIN
- ☉ CONIFEROUS TREE
- ☼ DECIDUOUS TREE
- STONEWALL
- WELL
- UTILITY POLE
- - - 1086 PROPOSED CONTOUR LINE
- ☼ FAA LIGHT

5  
A-4

PROPOSED SILT FENCE FOR TURTLE ISOLATION BARRIER - REFER TO SHEET NO. A-5 FOR ENVIRONMENTAL NOTES (BY SECTORSITE) (REFER TO 2002 CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL)

1  
A-1

PROPOSED 50'x50' LEASE AREA (BY SECTORSITE)

PROPOSED FAA LIGHT (TYP. OF 4) (BY SECTORSITE)

PROPOSED MONOPOLE (BY SECTORSITE)

PROPOSED POWER AND TELCO SERVICE ROUTED UNDERGROUND FROM EXISTING UTILITY POLE TO COMPOUND (BY SECTORSITE)

PROPOSED 10' WIDE UTILITY EASEMENT (BY SECTORSITE)

PROPOSED 10' WIDE ACCESS EASEMENT (BY SECTORSITE)

PROPOSED SILT SOCK (BY SECTORSITE)

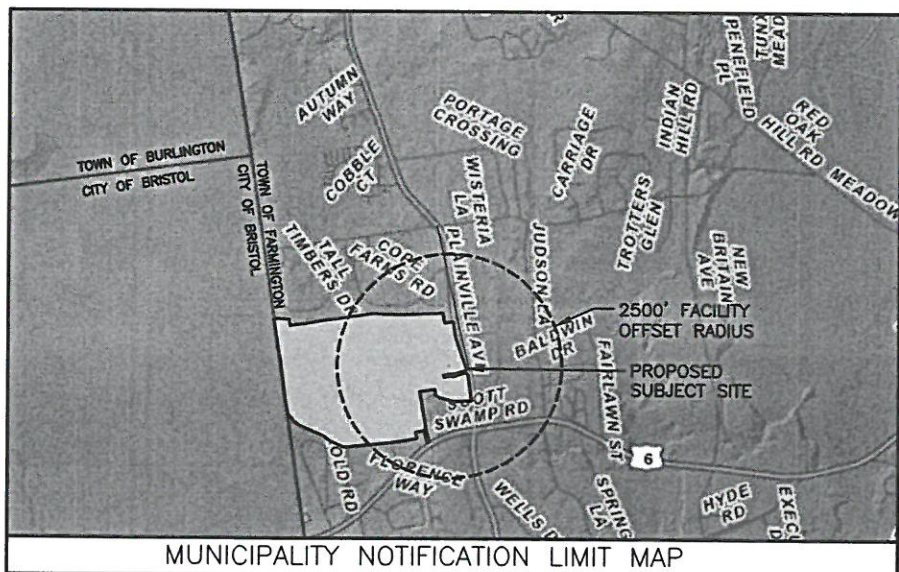
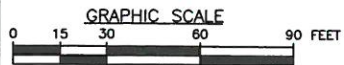
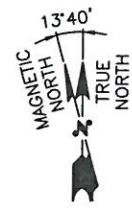
3  
A-4

EXISTING UTILITY POLE #8483S TO BE REPLACED (BY EVERSOURCE)

**SITE PLAN**

22x34 SCALE: 1"=30'-0"  
11x17 SCALE: 1"=60'-0"

1  
C-4

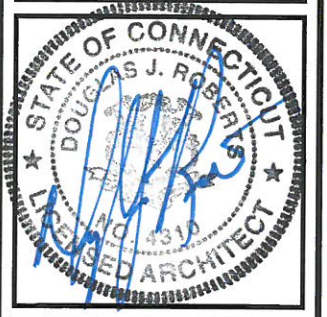


**SECTORSITE**  
Communications Site Development

SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981

**HGD**  
**HUDSON**  
Design Group LLC

45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



CHECKED BY: DJR

APPROVED BY: DPH

**SUBMITTALS**

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0	06/08/18	ISSUED FOR REVIEW	KB/KAM

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FARMINGTON  
SOUTHWEST FIRE DEPT.

SITE NUMBER:  
CT-119

T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**PARTIAL SITE PLAN**

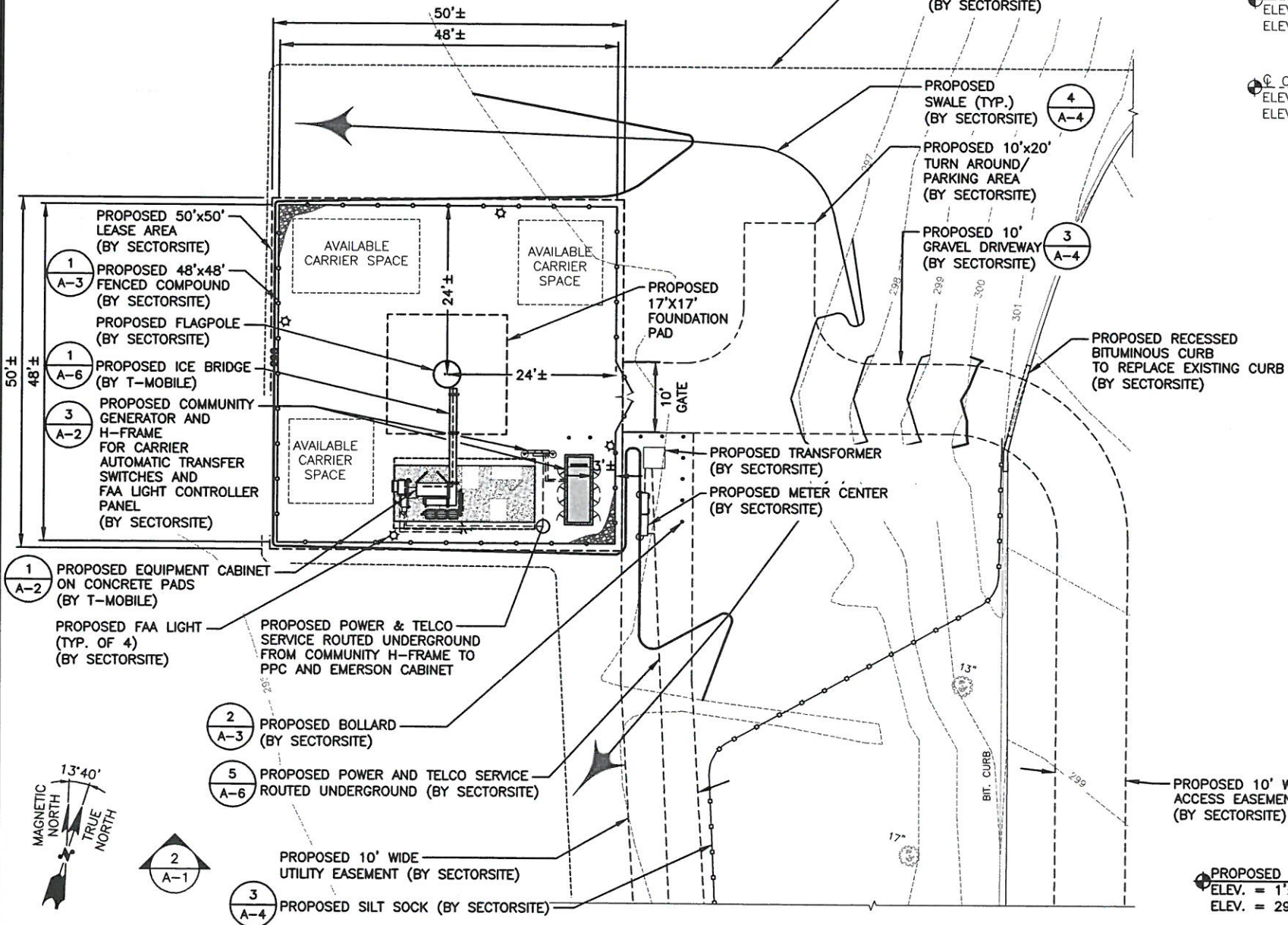
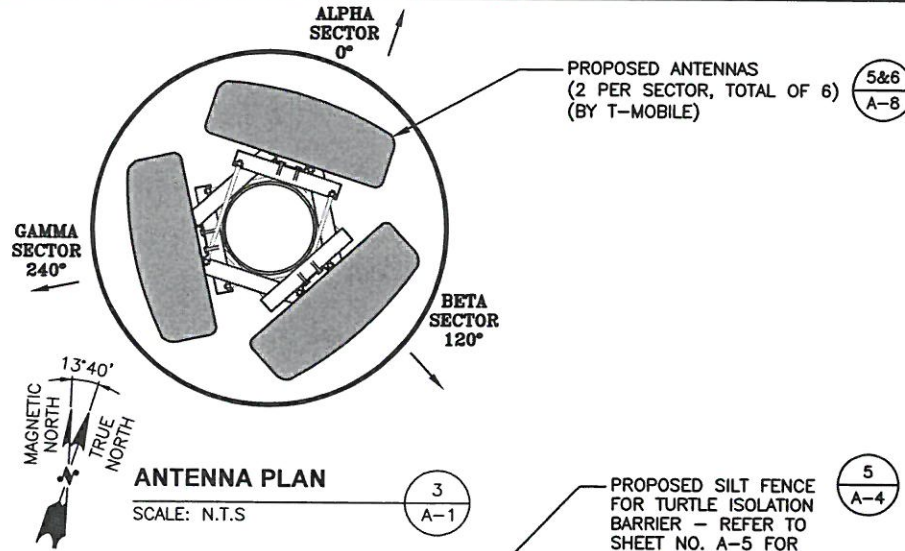
SHEET NUMBER  
**C-4**



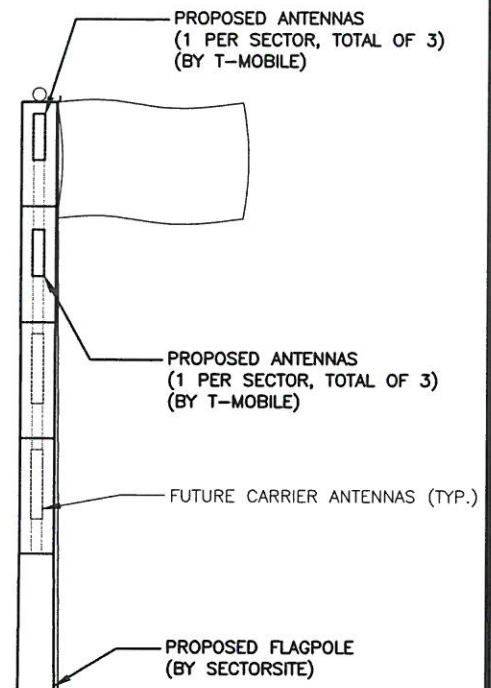
- NOTE:**
1. PROPOSED NEW TOWER AND FOUNDATION DESIGN BY OTHERS
  2. VERIFY AZIMUTHS W/ RF ENGINEER.

**LEGEND:**

- PROPERTY LINE-SUBJECT PARCEL
- PROPERTY LINE-ABUTTERS
- STATE LINE
- - - CONTOUR LINE
- - - DELINEATED WETLAND LINE
- [Hatched Box] (E) BUILDING
- XXX-XX ASSESSORS MAP-BLOCK-LOT NO.
- [Wavy Line] (E) TREE LINE
- [Star Symbol] FAA LIGHT



- ◆ TOP OF PROPOSED TOWER  
ELEV. = 130'± (AGL)  
ELEV. = 427.0'± (AMSL)
- ◆ C. OF PROPOSED T-MOBILE ANTENNAS  
ELEV. = 127'± (AGL)  
ELEV. = 424.0'± (AMSL)
- ◆ C. OF PROPOSED T-MOBILE ANTENNAS  
ELEV. = 117'± (AGL)  
ELEV. = 414.0'± (AMSL)
- ◆ C. OF FUTURE CARRIER ANTENNAS  
ELEV. = 107'± (AGL)  
ELEV. = 404.0'± (AMSL)
- ◆ C. OF FUTURE CARRIER ANTENNAS  
ELEV. = 97'± (AGL)  
ELEV. = 394.0'± (AMSL)



- TOWER NOTES:**
- 1.) TOWER ELEVATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REFER TO TOWER MANUFACTURER DRAWINGS FOR COMPLETE INSTALLATION AND BILL OF MATERIAL INFORMATION.
  - 2.) TOWER MINIMUM DESIGN SPECIFICATIONS SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA 222-G "STRUCTURAL STANDARDS FOR SUPPORTING STRUCTURES AND ANTENNAS, REVISION G" AND GOVERNING FEDERAL, STATE, AND LOCAL CODE REQUIREMENTS
  - 3.) TOWER MANUFACTURER SHALL BE RESPONSIBLE FOR DESIGN AND STRUCTURAL COMPONENTS OF THE TOWER.
  - 4.) FINAL UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE LOCAL UTILITIES.

**COMPOUND PLAN**  
22x34 SCALE: 1"=10'-0"  
11x17 SCALE: 1"=20'-0"

GRAPHIC SCALE  
0 5 10 20 30 FEET

**SOUTH ELEVATION**  
22x34 SCALE: 1/8"=1'-0"  
11x17 SCALE: 1/16"=1'-0"

GRAPHIC SCALE  
0 4 8 16 24 FEET



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WHIPPANY, NJ 07981



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CHECKED BY: DJR

APPROVED BY: DPH

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**FARMINGTON  
SOUTHWEST FIRE DEPT.**

SITE NUMBER:  
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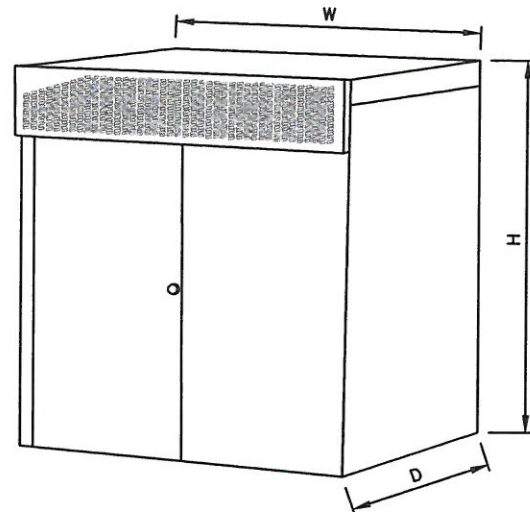
T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**COMPOUND PLAN  
AND  
ELEVATION**

SHEET NUMBER  
**A-1**

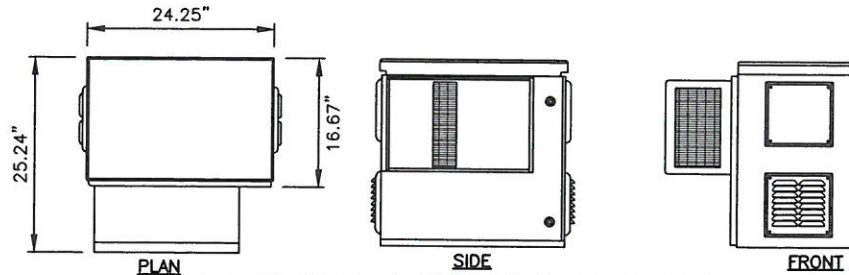
CABINET DIMENSIONS	
MODEL #	RBS 6102
MANUF.	ERICSSON
WIDTH	51.2"
DEPTH	27.6"
HEIGHT	57.1"
WEIGHT (W/O BACKUP BATTERIES)	728 LBS
CABINET CAN BE MOUNTED DIRECTLY TO SITE GROUND (INSTALL PER MANUFACTURER'S INSTALLATION GUIDELINES)	



**T-MOBILE PROPOSED 6102 EQUIPMENT CABINET**

SCALE: N.T.S

6  
A-2

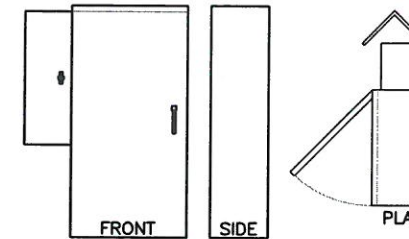


**EMERSON CABINET**

SCALE: N.T.S

5  
A-2

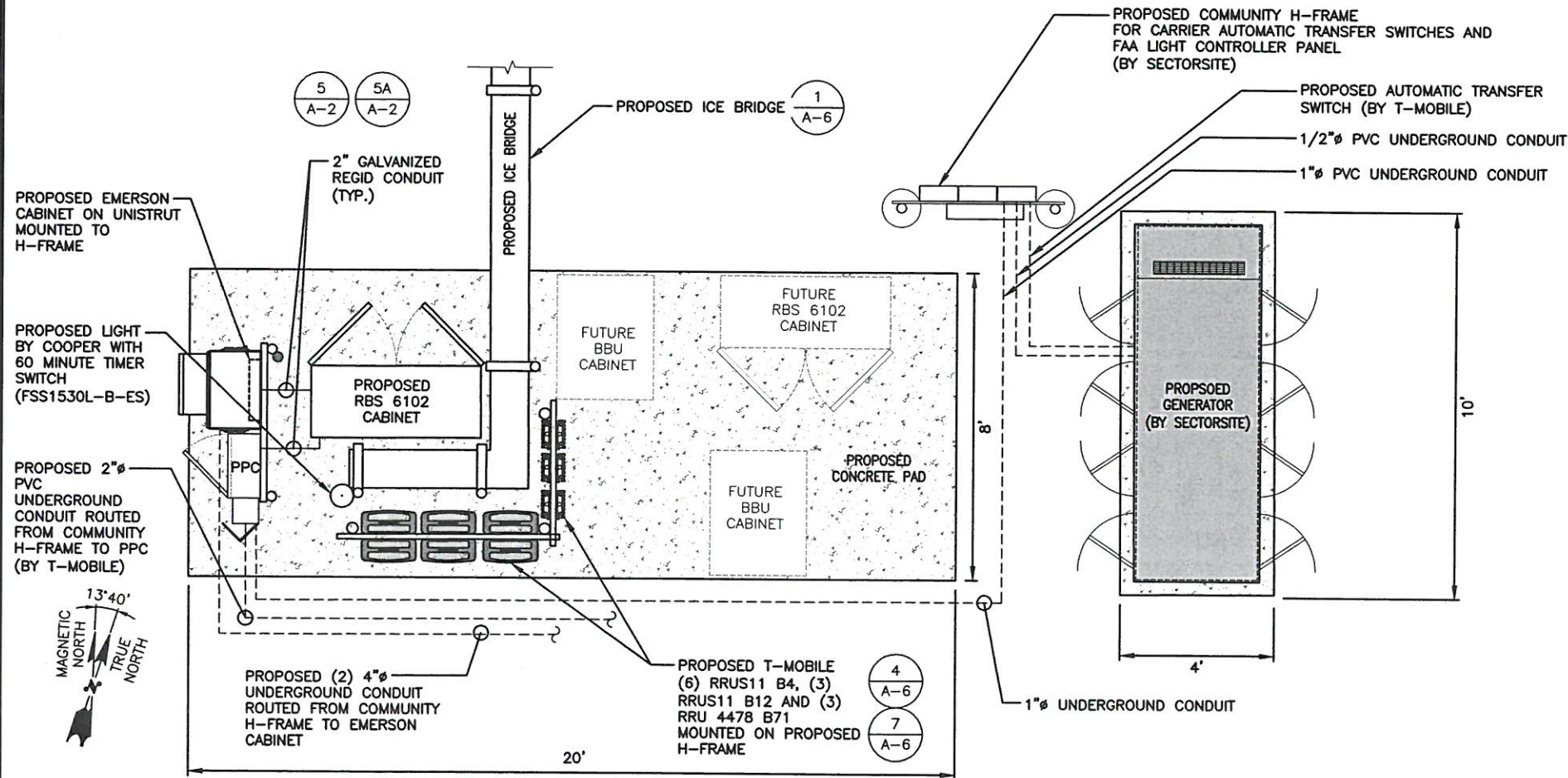
PPC DIMENSIONS	
MODEL #	CS2S2-W736
MANUF.	EMERSON
WIDTH	30"
DEPTH	10"
HEIGHT	66"
WEIGHT	150 LBS
NOTE: INSTALL CABINET ANCHORS PER MANUFACTURER'S INSTALLATION GUIDELINES	



**T-MOBILE POWER PROTECTION CABINET (PPC)**

SCALE: N.T.S

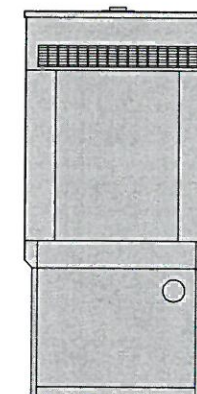
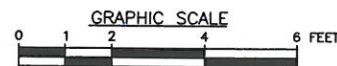
4  
A-2



**T-MOBILE EQUIPMENT PLAN**

22x34 SCALE: 1/2"=1'-0"  
11x17 SCALE: 1/4"=1'-0"

1  
A-2



DIESEL GENERATOR MODEL NO: SD100	
MANUF.	GENERAC
HEIGHT	105"
WIDTH	47"
LENGTH	133"
WEIGHT	4,969 LBS

ANCHOR GENERATOR TO CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS

**SECTORSITE GENERATOR DETAIL**

SCALE: N.T.S

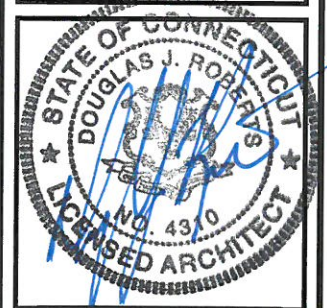
3  
A-2



SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



CHECKED BY: DJR

APPROVED BY: DPH

**SUBMITTALS**

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SITE NUMBER:  
**CT-119**  
T-MOBILE SITE ID: CTHA112A  
SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE

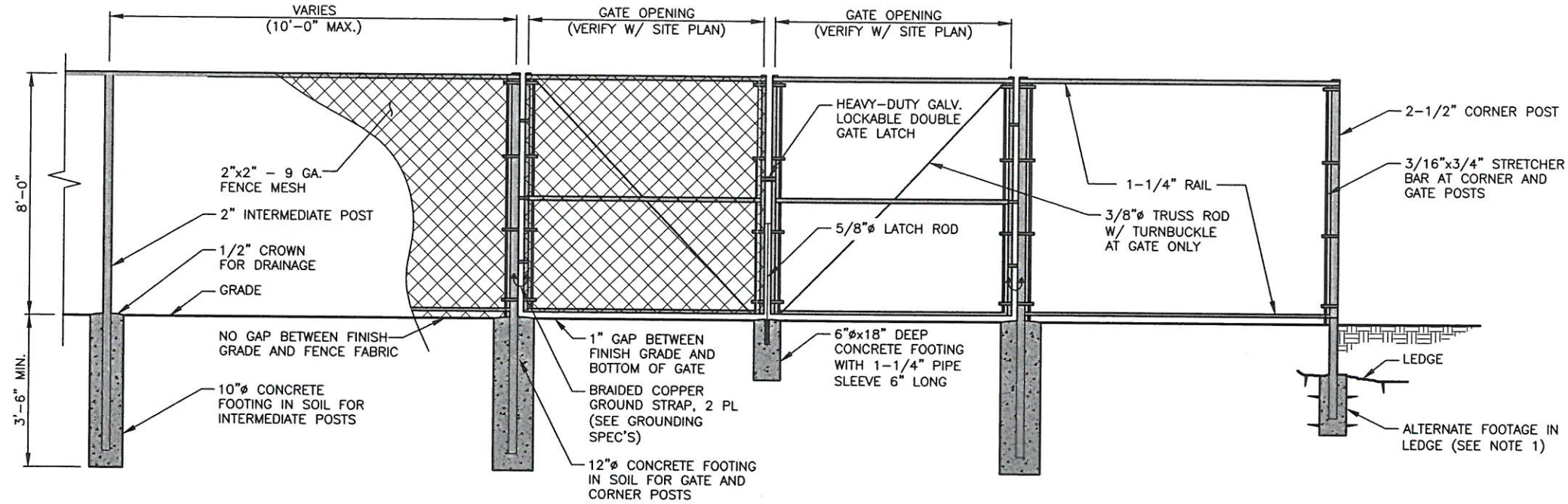
**EQUIPMENT DETAILS**

SHEET NUMBER

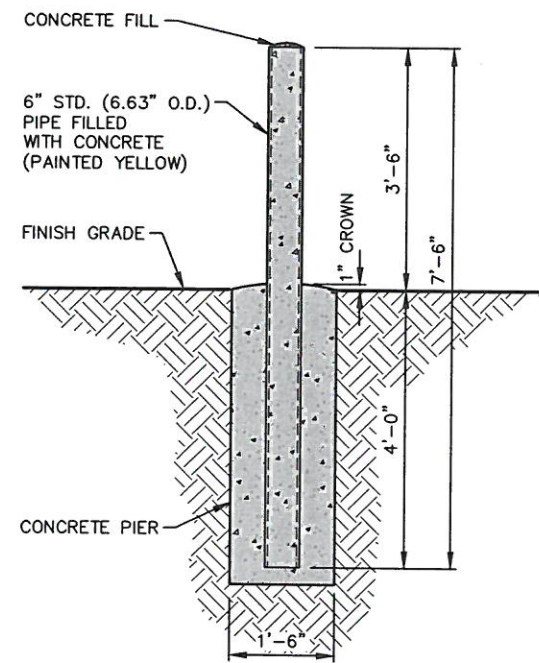
**A-2**

**FENCE NOTES**

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



**CHAINLINK FENCE DETAIL**  
SCALE: N.T.S. 1  
A-3



**BOLLARD DETAILS**  
22x34 SCALE: 1/2"=1'-0"  
11x17 SCALE: 1/4"=1'-0" 2  
A-3



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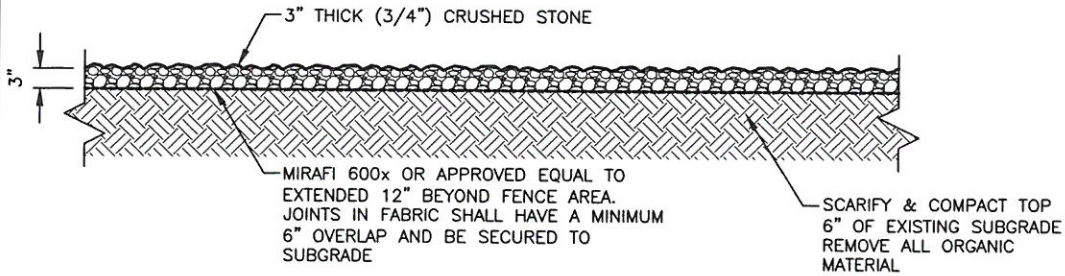
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FARMINGTON, CT 06032

SHEET TITLE  
FENCE DETAILS

SHEET NUMBER  
A-3



**COMPOUND COVERING DETAIL**

SCALE: N.T.S.

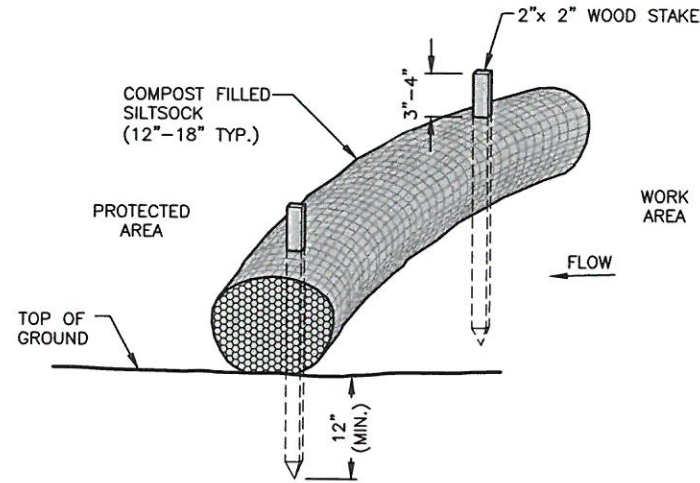
1  
A-4

**NOTES:**

1. COMPOST ROLLS MUST BE PLACED ALONG SLOPE CONTOURS.
2. STAKES SHOULD BE DRIVEN IN THE MIDDLE OF THE COMPOST LEAVING 2-3 INCHES OF THE STAKE PROTRUDING ABOVE THE COMPOST.
3. STAKES SHOULD BE SPACED AT 3'-4' @ INTERVALS.
4. FIT COMPOST AROUND STORM DRAINS OR INLETS, THE COMPOST SHOULD BE BACK 1-1 1/2 FEET AND SHOULD DIRECT WATER FLOW TOWARD THE ANGLE OF DRAINAGE. IF ALL DRAINAGE ANGLES INTO THE INLET, SNAKE THE COMPOST ALL THE WAY AROUND THE INLET.
5. WHEN COMPOST ARE USED FOR FLAT GROUND APPLICATIONS, DRIVE THE STAKES STRAIGHT DOWN; WHEN INSTALLING COMPOST ON SLOPES, DRIVE THE STAKES PERPENDICULAR TO THE SLOPE.
6. USE 18" LONG STAKES FOR HARD, ROCKY SOIL. FOR SOFT, LOAMY SOIL, USE 24" STAKE FOR GREATER SECURITY.

MIRAFI 600x OR APPROVED EQUAL TO EXTENDED 12" BEYOND FENCE AREA. JOINTS IN FABRIC SHALL HAVE A MINIMUM 6" OVERLAP AND BE SECURED TO SUBGRADE

CRUSHED GRAVEL		PROCESSED AGGREGATE	
SIEVE	% PASSING BY WEIGHT	SIEVE	% PASSING BY WEIGHT
5"	100	2 1/4"	100
3 1/2"	90-100	2"	95-100
1 1/2"	55-95	3/4"	50-75
1/4"	25-60	1/4"	25-45
#10	15-45	#40	5-20
#40	5-25	#100	2-12
#100	0-10		
#200	0-5		

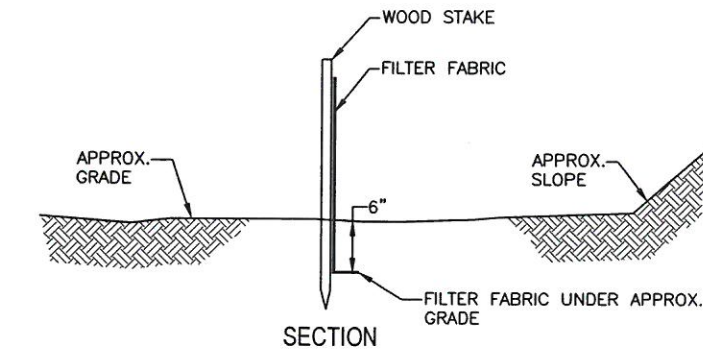
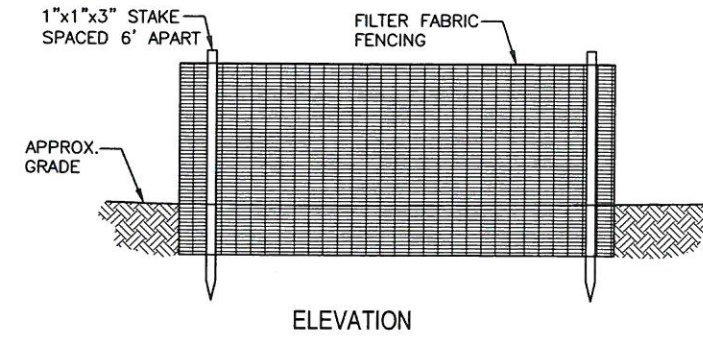


- NOTES:**
1. SILT SOCK SHALL BE FILTREXX SILT SOXX, OR APPROVED EQUAL.
  2. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
  3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
  4. SEE SPECIFICATIONS FOR SOCK SIZE, AND COMPOST FILL, REQUIREMENTS.

**SILT SOCK DETAIL**

SCALE: N.T.S.

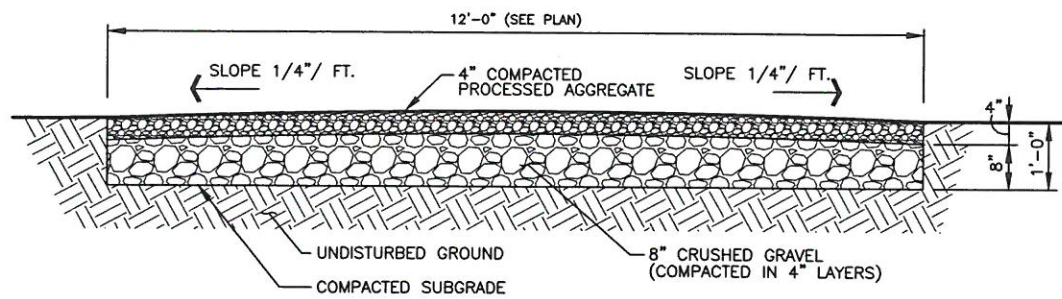
3  
A-4



**SILT FENCE DETAIL**

SCALE: N.T.S.

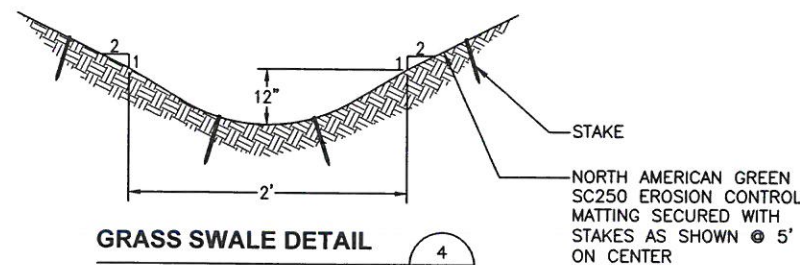
5  
A-4



**GRAVEL ACCESS DRIVE**

SCALE: N.T.S.

2  
A-4



**GRASS SWALE DETAIL**

SCALE: N.T.S.

4  
A-4



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**SUBMITTALS**

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T-MOBILE SITE ID: CTHA112A  
SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**EROSION CONTROL  
AND DETAILS**

SHEET NUMBER  
**A-4**

ENVIRONMENTAL NOTES

Eastern Box Turtle Protection Program

Eastern Box Turtle (Terrapene carolina carolina) and Spotted Turtle (Clemmys guttata), State Special Concern species afforded protection under the Connecticut Endangered Species Act, are known to occur within the vicinity of the proposed communications tower facility at 2 Westwoods Drive in Farmington, Connecticut.

It is of the utmost importance that the Contractor complies with the requirement for implementation of these protective measures and the education of its employees and subcontractors performing work on the project site.

All-Points Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that these protection measures are implemented properly and will provide an education session on rare species that may be encountered and the project's proximity to sensitive habitat prior to the start of construction activities.

The proposed protection program consists of several components: education of all contractors and sub-contractors prior to initiation of work on the site; protective measures; periodic inspection of the construction project; and, reporting.

1. Isolation Measures & Sedimentation and Erosion Controls

- a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals, but particularly snakes.
b. Installation of sedimentation and erosion controls, required for erosion control compliance and creation of a barrier to possible migrating/dispersing turtles, shall be performed by the Contractor following clearing activities and prior to any earthwork.
c. The Contractor is responsible for daily inspections of the sedimentation and erosion controls for tears or breaches and accumulation levels of sediment, particularly following storm events that generate a discharge.
d. The extent of the sedimentation and erosion controls will be as shown on the site plans.
e. No equipment, vehicles or construction materials shall be stored outside of the sedimentation and erosion controls within 100 feet of wetlands or watercourses.
f. All sedimentation and erosion controls shall be removed within 30 days of completion of work and permanent stabilization of site soils so that reptile and amphibian movement between uplands and wetlands is not restricted.

2. Contractor Education

- a. Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of an introductory meeting with APT providing photos of Eastern Box Turtle and Spotted Turtle emphasizing the non-aggressive nature of these species, the absence of need to destroy animals that might be encountered and the need to follow Protective Measures as described in Section 4 below.
b. The education session will also focus on means to discriminate between the species of concern and other native species to avoid unnecessary false alarms? Encounters with any species of turtles or snakes will be documented.
c. The Contractor will be provided with cell phone and email contacts for APT personnel to immediately report any encounters with eastern box turtle, spotted turtle or other species.

3. Petroleum Materials Storage and Spill Prevention

- a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill to avoid possible impact to nearby habitats.
b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project.
c. The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.

i. Petroleum and Hazardous Materials Storage and Refueling

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

ii. Initial Spill Response Procedures

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

iii. Spill Clean Up & Containment

- 1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
3. Isolate and eliminate the spill source.
4. Contact the appropriate local, state and/or federal agencies, as necessary.
5. Contact a disposal company to properly dispose of contaminated materials in accordance with all local, state and federal regulations.

iv. Reporting

- 1. Complete an incident report.
2. Submit a completed incident report to the appropriate Town of Farmington, Connecticut Siting Council and other applicable local, state and federal officials.

4. Turtle Protective Measures

- a. Prior to the start of construction each day, the Contractor shall search the entire work area for turtles.
b. If a turtle is found, it shall be immediately moved, unharmed, by carefully grasped in both hands, one on each side of the shell, between the turtle's forelimbs and the hind limbs, and placed just outside of the isolation barrier in the same approximate direction it was walking.

c. Special care shall be taken by the Contractor during early morning and evening hours so that possible basking or foraging turtles are not harmed by construction activities.

5. Herbicide and Pesticide Restrictions

a. The use of herbicides and pesticides at the proposed communications tower facility shall be avoided when possible. In the event herbicides and/or pesticides are required at the proposed facility, their use will be used in accordance with Integrated Pest Management (IPM) principles with particular attention to minimize applications within 100 feet of wetland or watercourse resources.

6. Reporting

a. Daily Compliance Monitoring Reports (brief narrative and applicable photos) documenting each APT inspection will be submitted by APT to SectorSite for compliance verification. Any observations of turtles will be included in the reports.

b. Following completion of the construction project, APT will provide a Compliance Monitoring Summary Report to SectorSite documenting implementation of the rare species and wetland protection program, monitoring and any species observations. SectorSite will provide a copy of the Compliance Monitoring Summary Report to the Connecticut Siting Council for compliance verification.

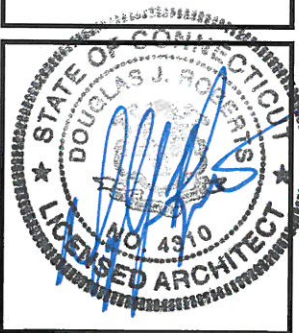
Any observations of Eastern Box Turtle will be reported to CTDEEP by APT, with photo-documentation (if possible)



SectorSite, LLC.
53 SOUTH JEFFERSON ROAD, SUITE M.
WHIPPANY, NJ 07981



45 BEECHWOOD DRIVE TEL: (978) 557-5553
N. ANDOVER, MA 01845 FAX: (978) 336-5586



CHECKED BY: DJR

APPROVED BY: DPH

SUBMITTALS

Table with columns: REV, DATE, DESCRIPTION, BY. Contains revision history for the document.

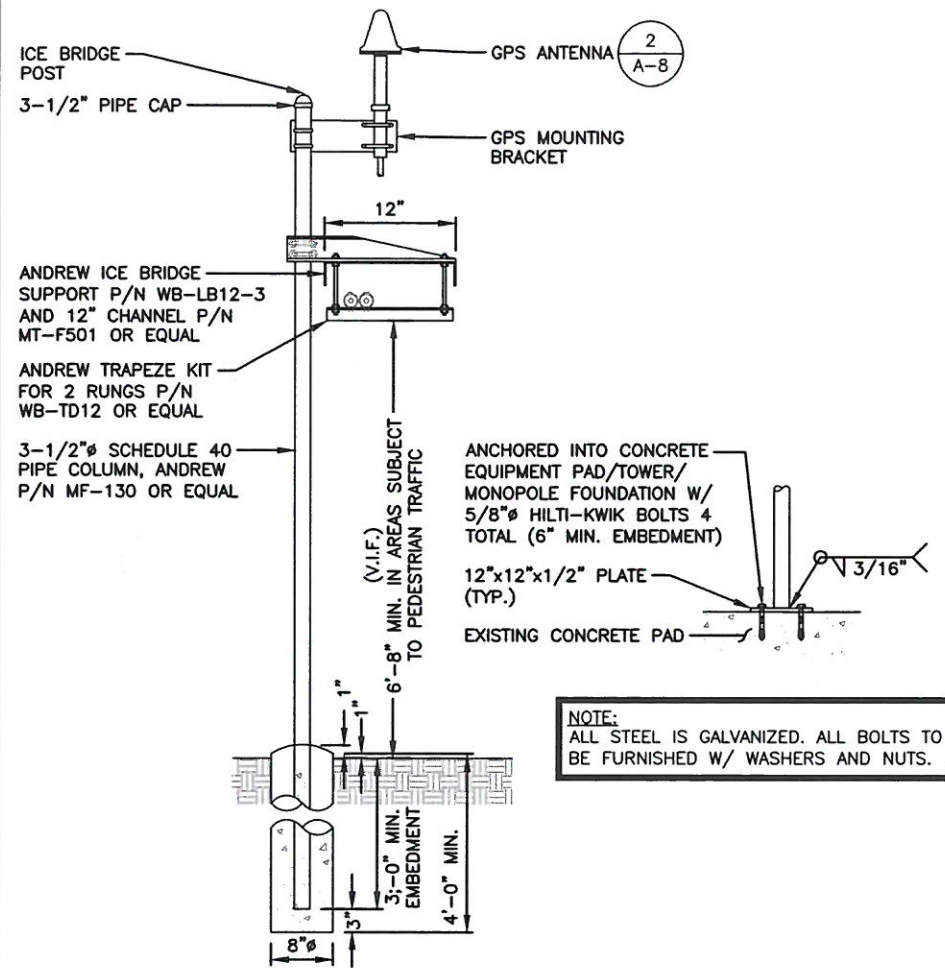
SITE NAME: FARMINGTON SOUTHWEST FIRE DEPT.
SITE NUMBER: CT-119
T-MOBILE SITE ID: CTHA112A
SITE ADDRESS: 2 WESTWOODS DRIVE FARMINGTON, CT 06032

SHEET TITLE

ENVIRONMENTAL NOTES

SHEET NUMBER

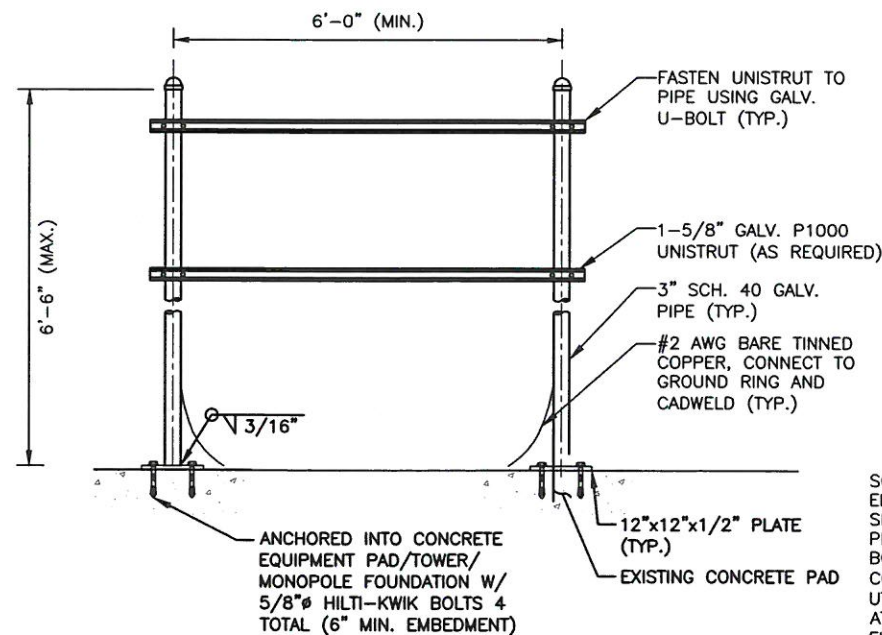
A-5



**T-MOBILE COAX ICE BRIDGE DETAIL**

SCALE: N.T.S.

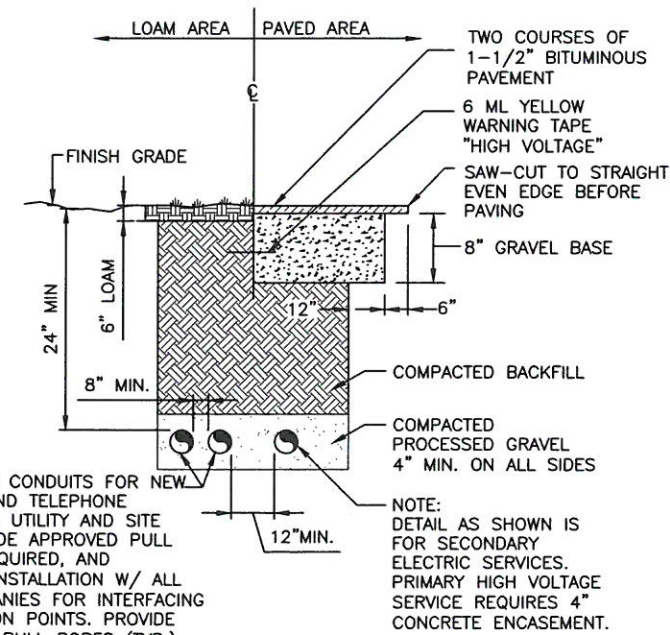
1  
A-6



**TYPICAL H-FRAME DETAIL**

SCALE: N.T.S.

2  
A-6



**BURIED CONDUIT DETAIL**

SCALE: N.T.S.

3  
A-6

**SECTORSITE**  
Communications Site Development  
SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981

**HG HUDSON**  
Design Group LLC  
45 BEECHWOOD DRIVE N. ANDOVER, MA 01845  
TEL: (978) 557-5553  
FAX: (978) 336-5586



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APPROVED BY: DPH

**SUBMITTALS**

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1	07/31/18	ADDED COMMON GENERATOR	SLY
0	06/08/18	ISSUED FOR REVIEW	KB/KAM

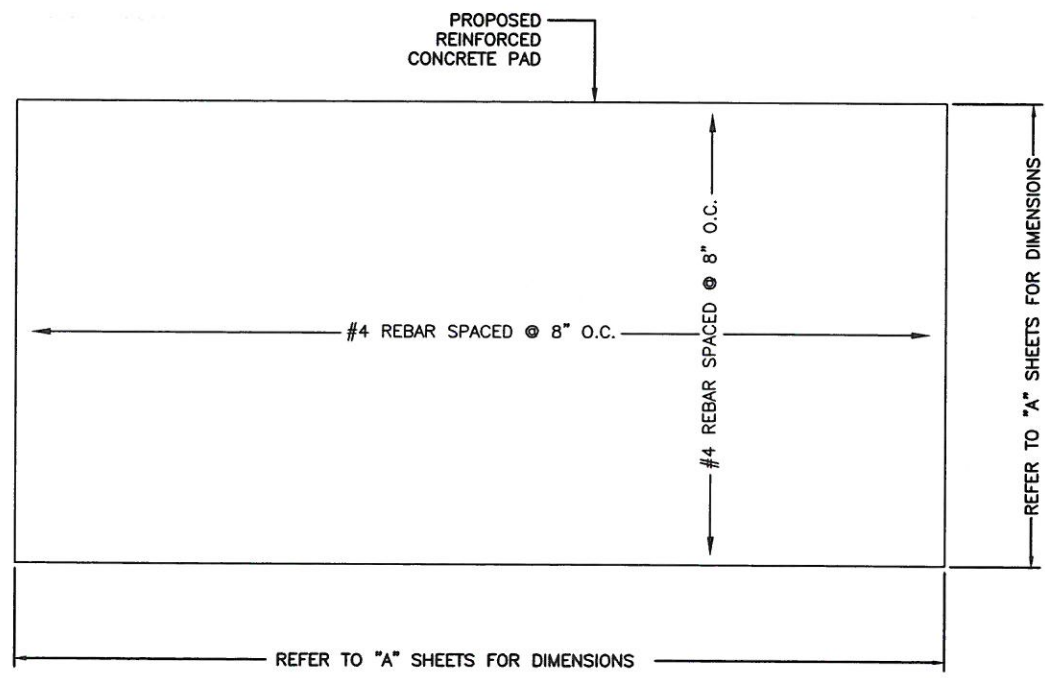
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**FARMINGTON SOUTHWEST FIRE DEPT.**  
SITE NUMBER:  
**CT-119**  
T-MOBILE SITE ID: CTHA112A  
SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**DETAILS**

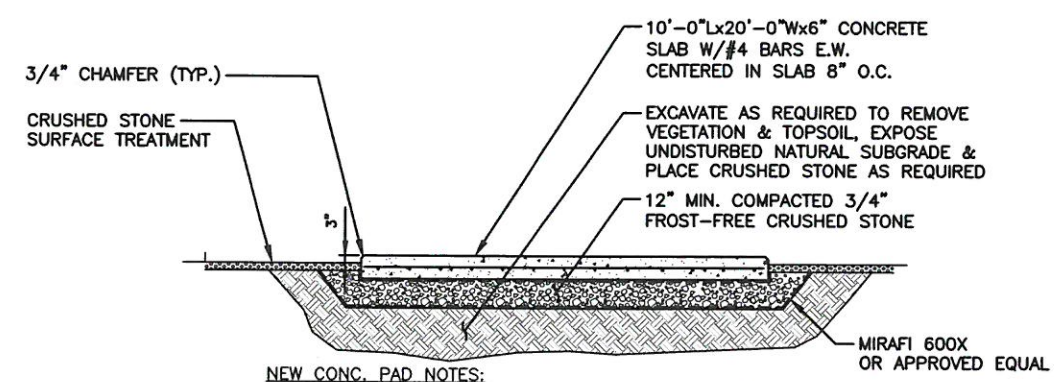
SHEET NUMBER  
**A-6**

**FOUNDATION NOTES & CONCRETE SPECIFICATIONS**

1. FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. EXISTING LEDGE AND ALL OTHER EXISTING UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
2. UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
3. 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%)
4. REINFORCING BAR TO BE ASTM A615 GRADE 60.
5. WELDED WIRE FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A185. WIRES FOR FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A82.
6. COORDINATE WITH MANUFACTURER OF PREFABRICATED SHELTER FOR LOCATION OF ATTACHMENTS TO BASE SLAB.
7. ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
8. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO LATEST EDITION OF ACI 318 AND APPLICABLE STATE BUILDING CODE.



**EQUIPMENT CONCRETE PAD PLAN**  
SCALE: N.T.S. 1  
A-7



**NEW CONC. PAD NOTES:**  
 - REINF. W/ #4's @ 8" O.C. EA. WAY (MID-DEPTH).  
 - REINF. SHALL BE ASTM A615-GRADE 60. SECURE IN PLACE.  
 - REINFORCEMENT IN EQUIPMENT SLAB TO BE WELDED AND BONDED TO GROUND RING

**T-MOBILE CONCRETE PAD DETAIL**  
SCALE: N.T.S. 2  
A-7

**SECTORSITE**  
Communications Site Development

SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981

**HGD**  
**HUDSON**  
Design Group LLC

45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



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SITE NAME:  
**FARMINGTON  
SOUTHWEST FIRE DEPT.**

SITE NUMBER:  
**CT-119**

T-MOBILE SITE ID: CTHA112A

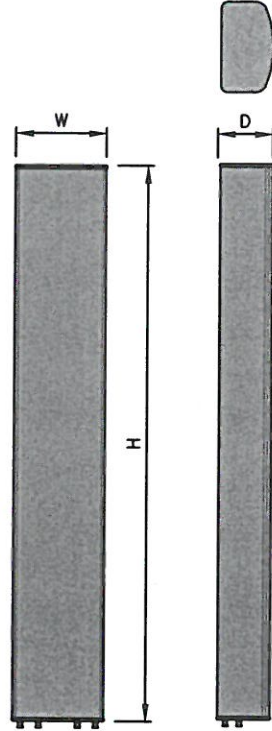
SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**CONCRETE PAD  
DETAILS**

SHEET NUMBER  
**A-7**

**L600 ANTENNA DIMENSIONS**

MODEL #	FHH-65C-R3
MANUF.	COMMSCOPE
HEIGHT	96"
WIDTH	15.6"
DEPTH	9"
WEIGHT	69.4 LBS



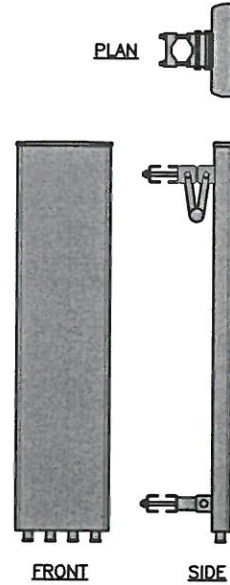
**ANTENNA DETAIL**

SCALE: N.T.S.

1  
A-8

**L19 ANTENNA DIMENSIONS**

MODEL #	APX16DWV-16DWV-S-E-A20
MANUF.	RFS
WIDTH	13"
DEPTH	3.15"
HEIGHT	55.9"
WEIGHT	40.7 LBS



**ANTENNA DETAIL**

SCALE: N.T.S.

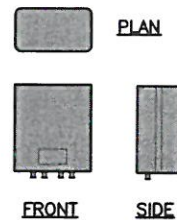
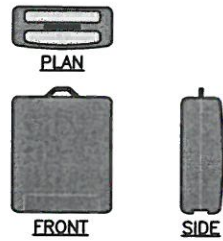
2  
A-8

**RRUS11 DIMENSIONS**

MODEL #	RRUS11 B12
MODEL #	RRUS11 B4
MANUF.	ERICSSON
WIDTH	17"
DEPTH	7"
HEIGHT	20"
WEIGHT	50.6 LBS

**RRUS 4478 B71 DIMENSIONS**

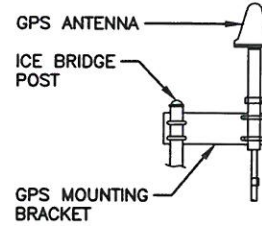
MODEL #	RRUS 4478 B71
MANUF.	ERICSSON
HEIGHT	15"
WIDTH	13.2"
DEPTH	7.4"
WEIGHT	60 LBS



**PROPOSED RADIOS DETAIL**

SCALE: N.T.S.

3  
A-8



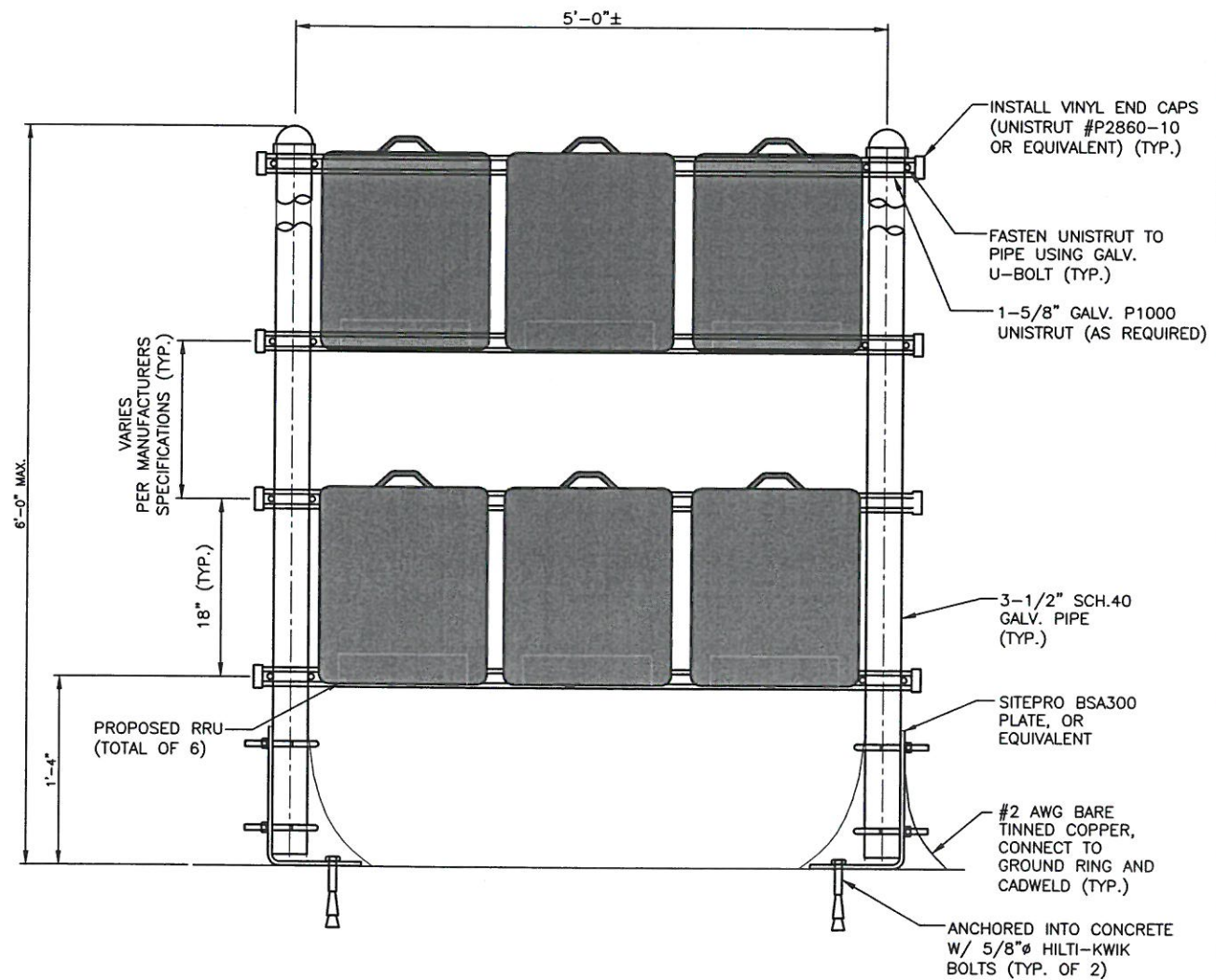
**GPS DIMENSIONS**

MODEL #	CCAH32ST03
MANUF.	NAIS
HEIGHT	3.9"
WIDTH	3.5"

**T-MOBILE GPS ANTENNA MOUNTING DETAIL**

SCALE: N.T.S.

4  
A-8



**PROPOSED RRU MOUNTING DETAIL ON H-FRAME**

SCALE: N.T.S.

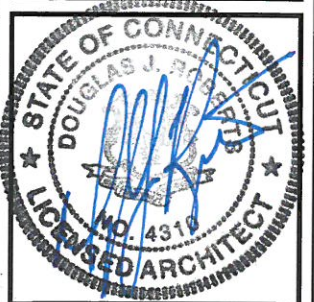
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A-8



SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



CHECKED BY: DJR

APPROVED BY: DPH

**SUBMITTALS**

REV.	DATE	DESCRIPTION	BY
3	10/17/18	REVISED PER COMMENTS	KAM
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0	06/08/18	ISSUED FOR REVIEW	KB/KAM

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**FARMINGTON  
SOUTHWEST FIRE DEPT.**

SITE NUMBER:  
**CT-119**

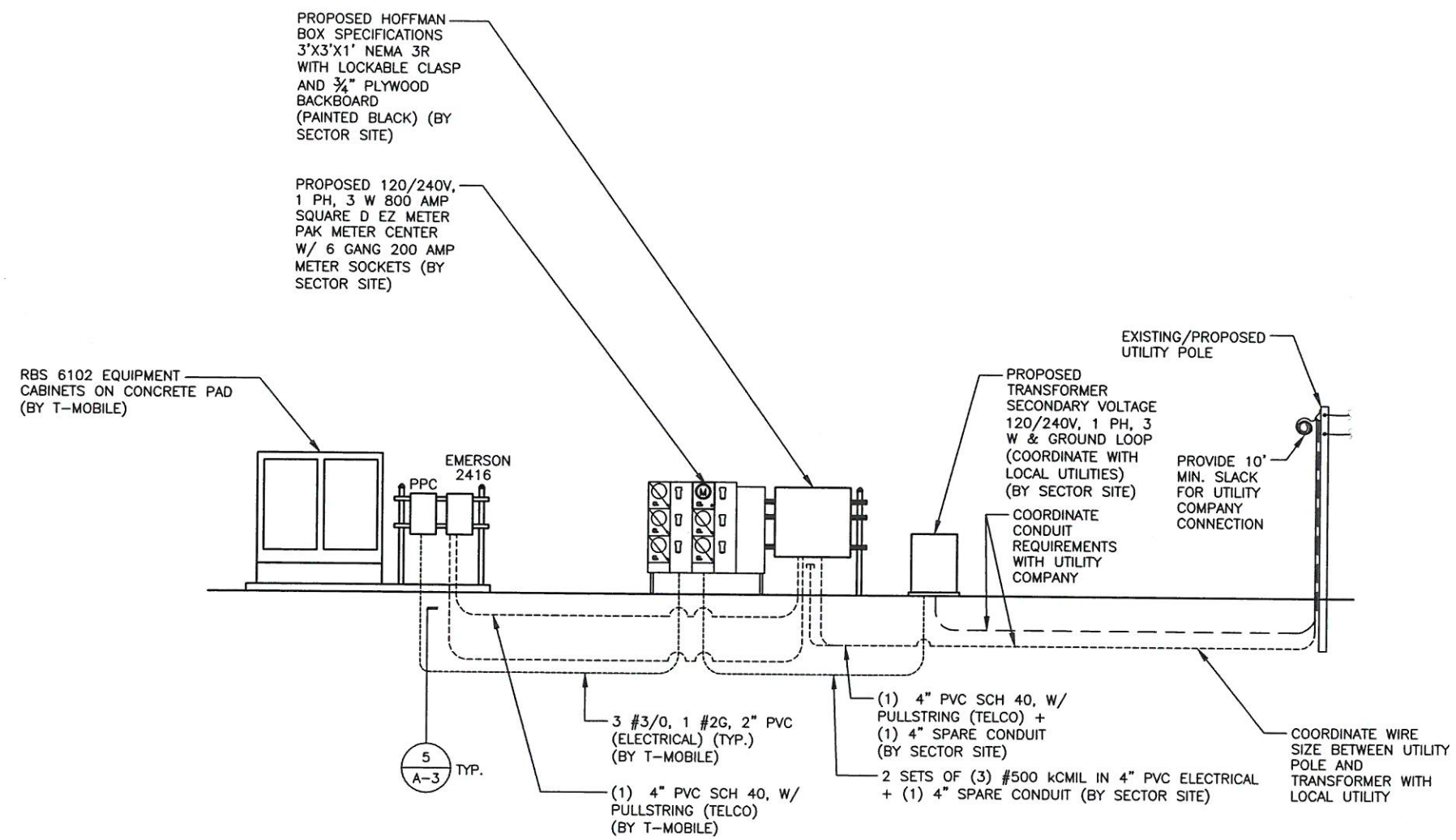
T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**ANTENNA DETAILS**

SHEET NUMBER  
**A-8**





**POWER & TELEPHONE RISER DIAGRAM**  
SCALE: N.T.S. 1  
E-1

**ELECTRICAL NOTES**

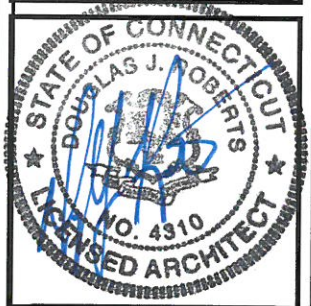
1. UTILITY SERVICES SHOWN ARE PROPOSED, THE ELECTRIC CONTRACTOR SHALL COORDINATE EXACT TELEPHONE AND ELECTRIC SERVICE CONNECTION POINTS, PULL BOXES, ROUTING AND ASSOCIATED REQUIREMENTS WITH LOCAL UTILITY COMPANIES.
2. VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED. REPORT ADVERSE CONDITIONS IN WRITING TO LICENSEE. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS INCLUDING PREPARATORY WORK DONE BY OTHERS.
3. ALL EXISTING UNDERGROUND LINES ON SITE SHALL BE LOCATED PRIOR TO CONSTRUCTION.
4. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
5. PERFORM WORK AS REQUIRED BY BOCA AND PER LOCAL LAWS.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH LOCAL UTILITY COMPANIES AND FIELD CONSTRUCTION MANAGER.
7. ALL EXTERIOR WALL PENETRATIONS SHALL BE SILICONE SEALED.
8. MATERIAL AND EQUIPMENT SHALL BE UL, NEMA, ANSI, IEEE, ADA & CBM APPROVED FOR INTENDED SERVICE. INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND STATE ELECTRICAL CODE.
9. ALL ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THEN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C..
10. ALL NEW WIRING SHALL BE TYPE THWN RATED 75°C., 600 VOLT. WET OR DRY LOCATIONS. MINIMUM BRANCH CIRCUIT WIRING SHALL BE #12 AWG SOLID COPPER.
11. ALL METALLIC CONDUITS SHALL BE PROVIDED WITH BONDING BUSHINGS.
12. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE LICENSEE PROJECT MANAGER AT JOB COMPLETION.
13. PROVIDE THE OWNER WITH ONE SET OF COMPLETE ELECTRICAL "AS BUILT" DRAWINGS AT THE COMPLETION OF THE JOB.
14. GUARANTEE WORK IN WRITING FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO COST TO OWNER. CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER.
15. CONTRACTOR SHALL CONTACT "DIG SAFE" (1-888-DIG-SAFE) PRIOR TO COMMENCEMENT OF WORK.



SectorSite, LLC.  
53 SOUTH JEFFERSON ROAD, SUITE M.  
WHIPPANY, NJ 07981



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



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APPROVED BY: DPH

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SITE NUMBER:  
**CT-119**

T-MOBILE SITE ID: CTHA112A

SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
**RISER DIAGRAM**

SHEET NUMBER  
**E-1**

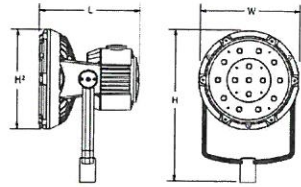


**TPS3 SERIES**  
YOKE MOUNT  
CHIP ON BOARD  
LED FLOODLIGHT

CATALOG NUMBER	TPSP3 15COB 960mA 40K Mvolt NFL YM
NOTES	FGS Full Glare Shield
TYPE	Controls Photo Eye

Specifications

EPA:	3.51 ft <sup>2</sup>
L:	0.195 m
W:	21"
H:	533 mm
H <sub>1</sub> :	39" 1/2"
H <sub>2</sub> :	89" max
H <sub>3</sub> :	21"
Weight:	533 mm
	105 lbs



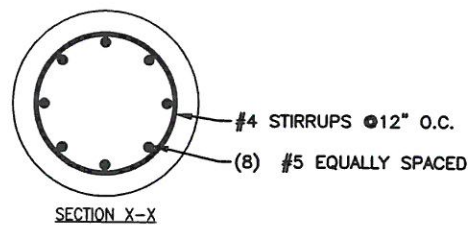
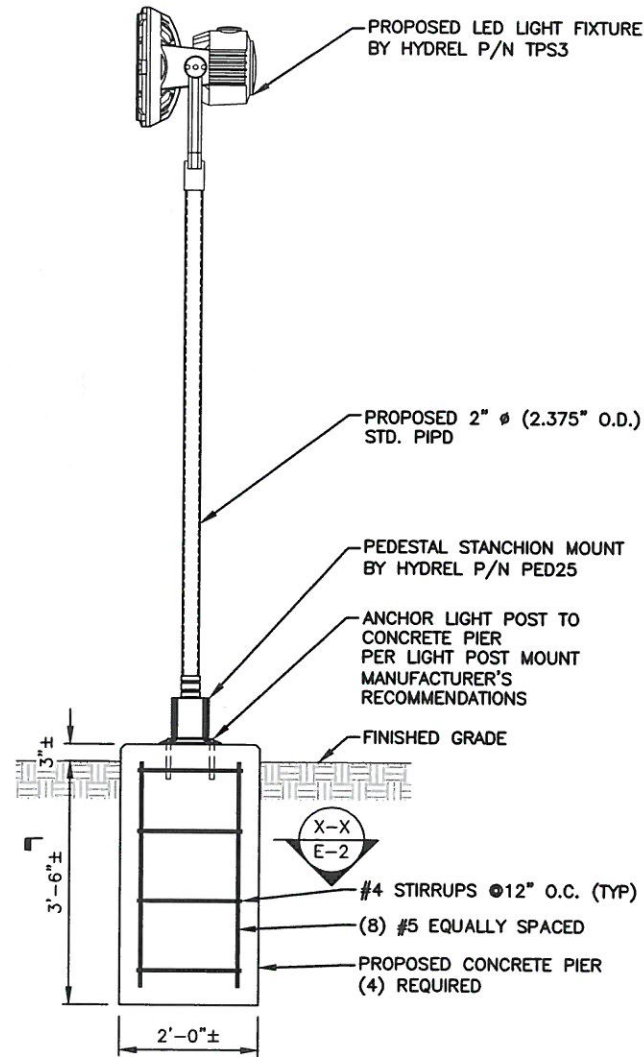
**DESCRIPTION**

A suggested replacement for up to 1,000 watt metal halide sources, the TPS3 Floodlight is the largest in a series of axial styled floodlights designed to use the latest in LED technology. The TPS floodlight family provides a consistent style and superior performance for floodlighting applications over a wide range of applications. With its robust die-cast housing, durable powder coat finish, and patent pending taper lock yoke design, this fixture was designed to meet the most demanding of lighting installations.



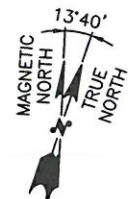
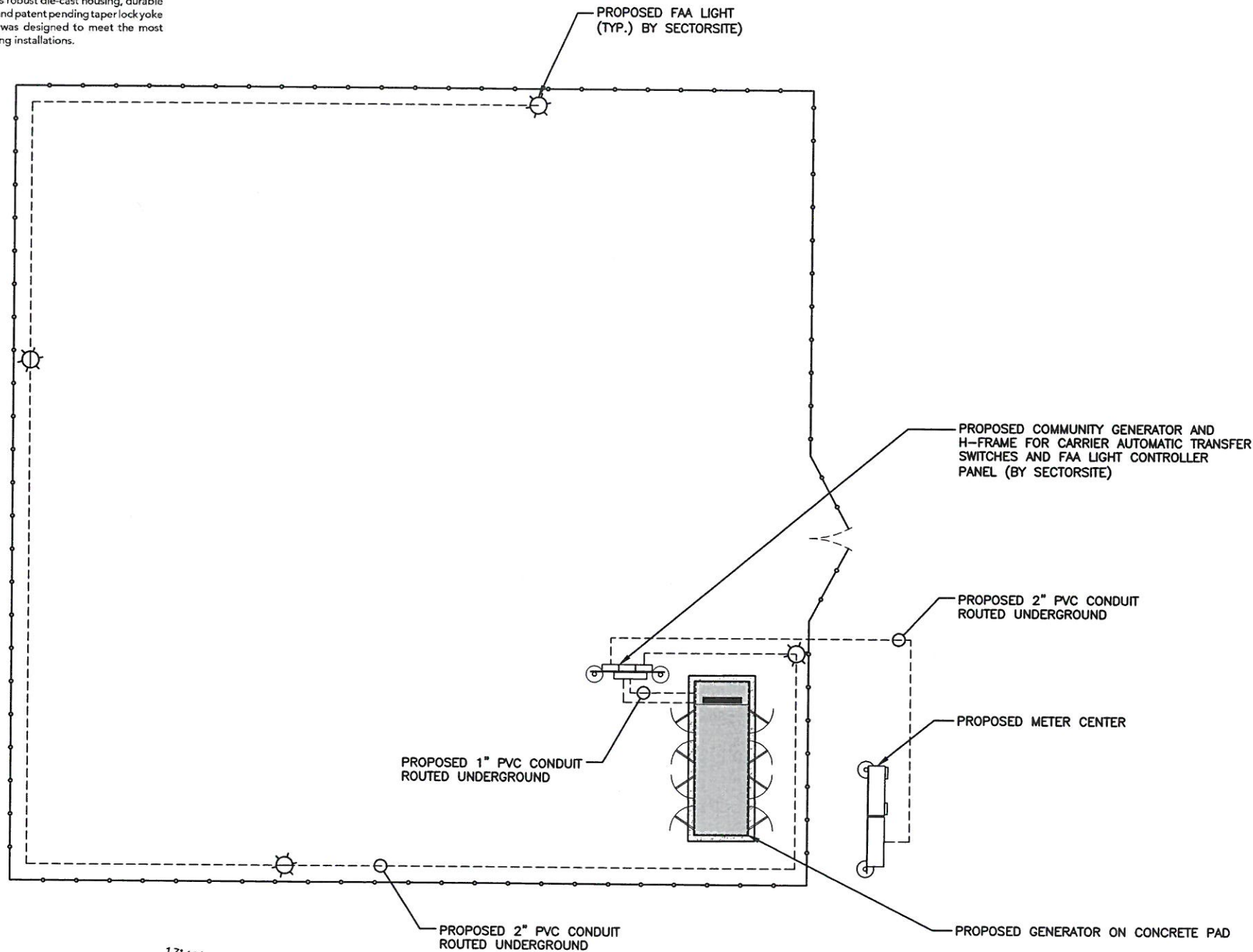
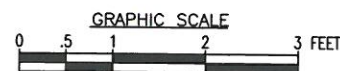
**FAA LIGHTING DETAIL 2**

SCALE: N.T.S



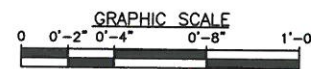
**REINFORCED CONCRETE PIER DETAIL 3**

22x34 SCALE: 3/4"=1'-0"  
11x17 SCALE: 3/8"=1'-0"



**FAA LIGHTING PLAN 1**

22x34 SCALE: 3"=1'-0"  
11x17 SCALE: 1-1/2"=1'-0"



SectorSite, LLC.  
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WHIPPANY, NJ 07981



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APPROVED BY: DPH

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FARMINGTON  
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SITE NUMBER:  
CT-119  
T-MOBILE SITE ID: CTHA112A  
SITE ADDRESS:  
2 WESTWOODS DRIVE  
FARMINGTON, CT 06032

SHEET TITLE  
FAA LIGHTING PLAN  
AND DETAIL

SHEET NUMBER

**E-2**



## Light Outage Reporting

Sponsors should keep in mind that conspicuity is achieved only when all recommended lights are working. Partial equipment outages decrease the margin of safety. Any outage should be corrected as soon as possible. Failure of a steady burning side or intermediate light should be corrected as soon as possible, but notification is not required.

**Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately by either direct entry tool or by calling 877-487-6867, for Alaska 800-478-3576, so a Notice to Airmen (NOTAM) can be issued. Start of Activity/End of Validity must be provided when reporting. FCC receives notification upon Antenna Structure Registration (ASR) NOTAM issuance.**

When reporting, please have available:

- Name of persons or organizations reporting light failures, including any title, address and phone number
- The type of Structure
- Location of structure (including latitude/longitude, if known, prominent structures, landmarks, etc...)
- Height of structure above ground level (AGL)/above mean sea level (AMSL), if known
- \*\*Circle Search may be used to obtain information for items 3. and 4.\*\*
- Start of Activity/End of Validity
- For FCC Towers, the ASR Number, if known. If the ASR is not known indicate ASR UNKNOWN. (This is for structures that are regulated by the FCC)
- For Cranes, Stacks, etc., the Aeronautical Study Number (ASN), if known. If the ASN is not known indicate ASN UNKNOWN. (This is for structures studied by the FAA but not regulated by the FCC)
- For Wind Turbine Farms, if using latitude/longitude, provide the coordinates for the center point of the wind farm, or the coordinates for one of the turbines closest to the center.

**As soon as normal operation is restored, or to extend the End of Validity time, report by direct entry tool or by calling 877-487-6867, for Alaska 800-478-3576. Unless extended, NOTAMS will auto-cancel at their End of Validity time (except when indicated as Permanent (PERM)). The sponsor is responsible for extending the outage date or reporting an earlier return to service date, if needed.**

[Advisory Circular 70/7460-1L Change 1](#), Obstruction Marking and lighting, describes the standards for marking and lighting structures such as buildings, chimneys, antenna towers, cooling towers, storage tanks, supporting structures of overhead wires, etc...

Note: In accordance with the current [FAA JO 7930.2](#), Notices to Airmen (NOTAM), effective 12/18/2015, there is no longer an automatic 15-day expiration for ASR tower light NOTAMs. A realistic time frame to repair the tower light will be determined by the sponsor and provided as the expiration date.

**SD100** | **6.7L** | **100 kW**

**INDUSTRIAL DIESEL GENERATOR SET**

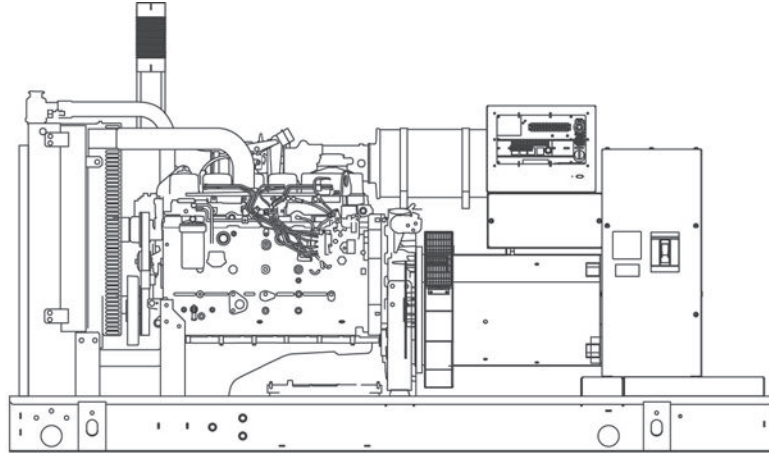
EPA Certified Stationary Emergency

**STANDBY POWER RATING**

100 kW, 125 kVA, 60 Hz

**PRIME POWER RATING\***

90 kW, 113 kVA, 60 Hz



\*Built in the USA using domestic and foreign parts

\*EPA Certified Prime ratings are not available in the U.S. or its Territories.

Image used for illustration purposes only

\*\*Certain options or customization may not hold certification valid.


**CODES AND STANDARDS**

Generac products are designed to the following standards:

 UL2200, UL508, UL142, UL498

 NFPA70, 99, 110, 37

 NEC700, 701, 702, 708

 ISO9001, 8528, 3046, 7637, Pluses #2b, 4

 NEMA ICS10, MG1, 250, ICS6, AB1

 **ANSI**  
American National Standards Institute  
ANSI C62.41

**POWERING AHEAD**

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

**STANDARD FEATURES**

**ENGINE SYSTEM**

**General**

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel flexible exhaust connection
- Critical Exhaust Silencer (enclosed only)
- Factory Filled Oil
- Radiator Duct Adapter (open set only)

**Fuel System**

- Fuel lockoff solenoid
- Primary fuel filter

**Cooling System**

- Closed Coolant Recovery System
- UV/Ozone resistant hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene glycol antifreeze
- 120 VAC Coolant Heater

**Engine Electrical System**

- Battery charging alternator
- Battery cables
- Battery tray
- Solenoid activated starter motor
- Rubber-booted engine electrical connections

**ALTERNATOR SYSTEM**

- UL2200 GENprotect™
- 12 leads (3-phase, non 600 V)
- Class H insulation material
- Vented rotor
- 2/3 pitch
- Skewed stator
- Auxiliary voltage regulator power winding
- Amortisseur winding
- Brushless Excitation
- Sealed Bearings
- Automated manufacturing (winding, insertion, lacing, varnishing)
- Rotor dynamically spin balanced
- Full load capacity alternator
- Protective thermal switch

**GENERATOR SET**

- Internal Genset Vibration Isolation
- Separation of circuits - high/low voltage
- Separation of circuits - multiple breakers
- Silencer Heat Shield
- Wrapped Exhaust Piping
- Silencer housed in discharge hood (enclosed only)
- Standard Factory Testing
- 2 Year Limited Warranty (Standby rated Units)
- 1 Year Limited Warranty (Prime rated Units)
- Silencer mounted in the discharge hood (enclosed only)

**ENCLOSURE (IF SELECTED)**

- Rust-proof fasteners with nylon washers to protect finish
- High performance sound-absorbing material
- Gasketed doors
- Stamped air-intake louvers
- Air discharge hoods for radiator-upward pointing
- Stainless steel lift off door hinges
- Stainless steel lockable handles
- Rhino Coat™ - Textured polyester powder coat

**TANKS (IF SELECTED)**

- UL 142
- Double wall
- Vents
- Sloped top
- Sloped bottom
- Factory pressure tested (2 psi)
- Rupture basin alarm
- Fuel level
- Check valve in supply and return lines
- Rhino Coat™ - Textured polyester powder coat
- Stainless hardware

**CONTROL SYSTEM**



**Control Panel**

- Digital H Control Panel - Dual 4x20 Display
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable PLC
- RS-232/485
- All-Phase Sensing DVR
- Full System Status
- Utility Monitoring
- Low Fuel Pressure Indication
- 2-Wire Start Compatible
- Power Output (kW)

- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus protocol
- Predictive Maintenance algorithm
- Sealed Boards
- Password parameter adjustment protection

- Single point ground
- 15 channel data logging
- 0.2 msec high speed data logging
- Alarm information automatically comes up on the display

**Alarms**

- Oil Pressure (Pre-programmable Low Pressure Shutdown)
- Coolant Temperature (Pre-programmed High Temp Shutdown)
- Coolant Level (Pre-programmed Low Level Shutdown)
- Low Fuel Pressure Alarm
- Engine Speed (Pre-programmed Over speed Shutdown)
- Battery Voltage Warning
- Alarms & warnings time and date stamped
- Alarms & warnings for transient and steady state conditions
- Snap shots of key operation parameters during alarms & warnings
- Alarms and warnings spelled out (no alarm codes)

CONFIGURABLE OPTIONS

ENGINE SYSTEM

General

- Oil Heater
- Industrial Exhaust Silencer

Fuel System

- Flexible fuel lines
- Primary fuel filter

Engine Electrical System

- 10A UL battery charger
- 2.5A UL battery charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical coating
- Permanent Magnet Excitation

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breaker

GENERATOR SET

- Gen-Link Communications Software (English Only)
- IBC Seismic Certification
- 8 Position Load Center
- 2 Year Extended Warranty
- 5 Year Warranty
- 5 Year Extended Warranty

ENCLOSURE

- Weather Protected
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Steel Enclosure
- Aluminum Enclosure
- 150 MPH Wind Kit
- 12 VDC Enclosure Lighting Kit
- 120 VAC Enclosure Lighting Kit
- AC/DC Enclosure Lighting Kit
- Door Alarm Switch

TANKS (Size on last page)

- Electrical Fuel Level
- Mechanical Fuel Level
- 8" Fill Extension
- 13" Fill Extension

CONTROL SYSTEM

- 21-Light Remote Annunciator
- Remote Relay Panel (8 or 16)
- Oil Temperature Sender with Indication Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modem
- Remote Communication - Ethernet
- 10A Run Relay
- Ground Fault Indication and Protection Functions

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant heater ball valves
- Block Heaters
- Fluid containment pans

ALTERNATOR SYSTEM

- 3rd Breaker Systems

CONTROL SYSTEM

- Spare inputs (x4) / outputs (x4) - H Panel Only
- Battery Disconnect Switch

GENERATOR SET

- Special Testing

ENCLOSURE

- Motorized Dampers
- Door switched for intrusion alert
- Enclosure ambient heaters

TANKS

- Overfill Protection Valve
- UL2085 Tank
- ULC S-601 Tank
- Stainless Steel Tank
- Special Fuel Tanks (MIDEQ and FL DEP/DERM, etc.)
- Vent Extensions

RATING DEFINITIONS

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications. Power ratings in accordance with ISO 8528-1, Second Edition

**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	6
Type	In-Line
Displacement - L (cu In)	6.7 (406.86)
Bore - mm (in)	104 (4.09)
Stroke - mm (in)	128 (5.2)
Compression Ratio	16.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head Type	2 Valve
Piston Type	Alloy Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	+/- 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	17 (18)

Cooling System

Cooling System Type	Closed Recovery
Water Pump	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed (rpm)	2538
Fan Diameter mm (in)	599 (23.6)
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120 V /240 V

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Injection	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line mm (in)	12.7 (0.5) NPT
Fuel Return Line mm (in)	12.7 (0.5) NPT

Engine Electrical System

System Voltage	12 VDC
Battery Charging Alternator	Std
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

**ALTERNATOR SPECIFICATIONS**

Standard Model	390
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<3%
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless
Bearings	Single Seated Cartridge
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	± 0.25%

**OPERATING DATA**

**POWER RATINGS**

		Standby
Single-Phase 120/240 VAC @1.0pf	100 kW	Amps: 417
Three-Phase 120/208 VAC @0.8pf	100 kW	Amps: 347
Three-Phase 120/240 VAC @0.8pf	100 kW	Amps: 301
Three-Phase 277/480 VAC @0.8pf	100 kW	Amps: 150
Three-Phase 346/600 VAC @0.8pf	100 kW	Amps: 120

**STARTING CAPABILITIES (sKVA)**

sKVA vs. Voltage Dip

Alternator	kW	480 VAC						208/240 VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	100	79	118	157	197	236	200	59	89	118	148	177	206
Upsize 1	130	116	174	323	290	348	406	87	131	174	218	261	305
Upsize 2	150	133	199	265	332	398	464	100	149	199	249	299	348
Upsize 3	200	187	280	373	467	560	653	140	210	280	350	420	490

**FUEL CONSUMPTION RATES\***

Diesel - gal/hr (l/hr)

Fuel Pump Lift - ft (m)	Percent Load	Standby
3 (1)	25%	2.2 (8.3)
	50%	4.2 (15.9)
Total Fuel Pump Flow (Combustion + Return)	75%	5.9 (22.3)
29.1 gal/hr	100%	7.3 (27.6)

\* Fuel supply installation must accommodate fuel consumption rates at 100% load.

**COOLING**

		Standby
Coolant Flow per Minute	gal/min (l/min)	44.6 (168.8)
Coolant System Capacity	gal (L)	5.65 (21.4)
Heat Rejection to Coolant	BTU/hr	269,130
Inlet Air	cfm (m³/hr)	6360 (180)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)
Max. Ambient Temperature (before derate)	F° (C°)	110 (43.3)
Maximum Radiator Backpressure	in H <sub>2</sub> O	0.5

**COMBUSTION AIR REQUIREMENTS**

	Standby
Flow at Rated Power cfm (m³/min)	325 (9.2)

**ENGINE**

		Standby
Rated Engine Speed	rpm	1800
Horsepower at Rated kW**	hp	152
Piston Speed	ft/min (m/min)	1559 (475)
BMEP	psi	165

**EXHAUST**

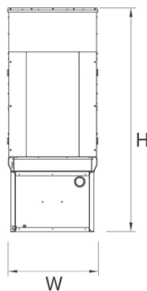
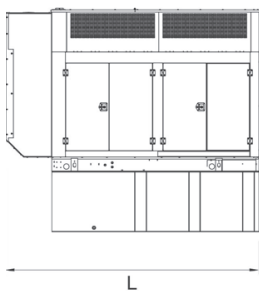
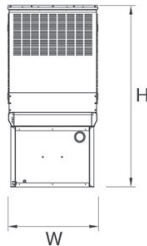
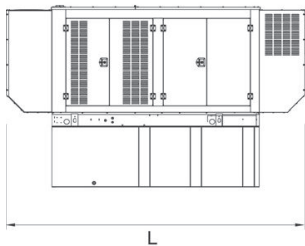
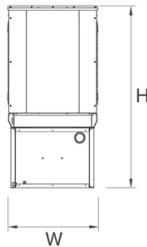
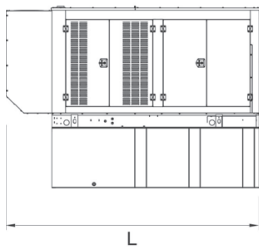
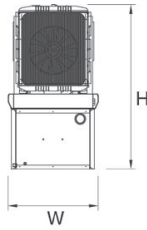
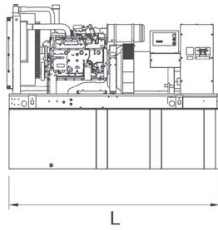
		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	1022 (28.94)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	885 (474)
Exhaust Outlet Size (Open Set)	mm (in)	101.6 (4)

\*\*Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.



**DIMENSIONS AND WEIGHTS\***



YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

**OPEN SET**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Tank & Open Set	
			Steel	Aluminum
NO TANK	-	110 (2794) x 40 (1016) x 65 (1651)	3104 (1408)	
12	90 (340.7)	110 (2794) x 40 (1016) x 77 (1955.8)	3813 (1730)	
30	220 (832.8)	110 (2794) x 40 (1016) x 89 (2260.6)	4146 (1881)	
48	350 (1324.9)	110 (2794) x 40 (1016) x 101 (2565.4)	4488 (2036)	
70	510 (1930.6)	110 (2794) x 40 (1016) x 105 (2667)	4469 (2029)	
81	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 107 (2717.8)	4948 (2244)	
95	693 (2623.3)	136 (3454.4) x 53 (1346.2) x 107 (2717.8)	4667 (2117)	

**STANDARD ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	133 (3378) x 40 (1016) x 64 (1625.6)	500 (227)	
12	90 (340.7)	133 (3378) x 40 (1016) x 77 (1956)	165 (75)	
30	220 (832.8)	133 (3378) x 40 (1016) x 89 (2261)		
48	350 (1324.9)	133 (3378) x 40 (1016) x 101 (2565)		
70	510 (1930.6)	133 (3378) x 47 (1194) x 105 (2667)		
81	589 (2229.6)	133 (3378) x 49 (1125) x 107 (2718)		
95	693 (2623.3)	133 (3378) x 53 (1346) x 107 (2718)		

**LEVEL 1 ACOUSTIC ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	154 (3912) x 40 (1016) x 64 (1626)	750 (340)	
12	90 (340.7)	154 (3912) x 40 (1016) x 77 (1956)	250 (112)	
30	220 (832.8)	154 (3912) x 40 (1016) x 89 (2261)		
48	350 (1324.9)	154 (3912) x 40 (1016) x 101 (2565)		
70	510 (1930.6)	154 (3912) x 47 (1194) x 105 (2667)		
81	589 (2229.6)	154 (3912) x 49 (1245) x 107 (2718)		
95	693 (2623.3)	154 (3912) x 53 (1346) x 107 (2718)		

**LEVEL 2 ACOUSTIC ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	145 (3683) x 40 (1016) x 81 (2057)	1000 (454)	
12	90 (340.7)	145 (3683) x 40 (1016) x 84 (2134)	330 (150)	
30	220 (832.8)	145 (3683) x 40 (1016) x 106 (2692)		
48	350 (1324.9)	145 (3683) x 40 (1016) x 118 (2997)		
70	510 (1930.6)	145 (3683) x 47 (1194) x 122 (3099)		
81	589 (2229.6)	145 (3683) x 49 (1245) x 124 (3150)		
95	693 (2623.3)	145 (3683) x 53 (1346) x 124 (3150)		

\*All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure Only weight is added to Tank & Open Set weight to determine total weight.

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.