



FA NUMBER: 12906926

1C - MRCTB032789

SIMSBURY, CT 06070

# ZONING DRAWINGS

## SITE INFORMATION

APPLICANT/LESSEE

STRUCTURE OWNER

**CLIENT REPRESENTATIVE**

## SITE ACQUISITION

## CONSTRUCTION MANAGER

ENGINEER

AD  
CIT  
CO  
E-M

EN

CO  
AD  
CIT  
CO  
PHC  
E-M

## An aerial photograph of a residential area with a dark, irregular polygon highlighting a specific property. A dashed circular line with a radius of 1,000 feet is centered on the property. A north arrow is located in the top left corner. Labels include '1,000' Radius Line' pointing to the dashed circle, 'Subject Property Line' pointing to the highlighted polygon, and 'PROJECT LOCATION' in a white box at the bottom center.

8. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS 81 IEEE C2 LATEST EDITION
9. TELCORDIA GR-1275
10. ANSI T1.311
11. PROPOSED USE: UNMANNED TELECOM FACILITY
12. HANDICAP REQUIREMENTS: FACILITY IS UNMAN AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS NOT REQUIRED.
13. CONSTRUCTION TYPE: IIB
14. USE GROUP: U

PROPOSED PROJECT SCOPE BASED ON RFDS ID# 2592584, VERSION 7.00, LAST UPDATED 05/08/2019.

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3	07/22/19	RESPONSES TO COUNCIL	AJC	RA	
2	06/21/19	REVISED PER ABUTTERS LIST	JCM	RA	
1	06/05/19	REVISED PER COMMENTS	AJC	RA	
	04/09/19	ISSUED FOR REVIEW	AJC	RA	
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	

**PETROS E. TSOUKALAS**  
CONNECTICUT PROFESSIONAL  
ENGINEER - LICENSE NUMBER: 32577

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ALTER THIS DOCUMENT.

345 BUSHY HILL ROAD  
SIMSBURY, CT 06070  
HARTFORD COUNTY



email: [solutions@maserconsulting.com](mailto:solutions@maserconsulting.com)

SHEET TITLE :

# TITLE SHEET

SHEET NUMB.

T-1

GENERAL NOTES:

1.

THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.

2.

ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

3.

THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 50 HMS OR LESS.

4.

THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.

5.

METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

6.

METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.

7.

EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE EQUIPMENT GROUND RING WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.

8.

CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.

9.

ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING, SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.

10.

ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

11.

USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. ALL BENDS SHALL BE MADE WITH 12" RADIUS OR LARGER.

12.

EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

13.

ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS EXCEPT FOR GROUND BAR CONNECTION FROM MGB TO OUTSIDE EXTERIOR GROUND SHALL ALL BE CADWELD CONNECTIONS.

14.

COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.

15.

ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED TO THE TOWER GROUND BAR.

16.

APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

17.

ALL EXTERIOR AND INTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.

18.

MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

19.

BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND WIRES WITH 1-#2 AWG TIN-PLATED COPPER GROUND CONDUCTOR.

20.

GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G. NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

21.

ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/4" IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50.

22.

FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR - SMARTLINK

SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)

OWNER - AT&T (NEW CINGULAR WIRELESS PCS, LLC)

23.

ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.

24.

DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.

25.

ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY
- REGARDING THE PERFORMANCE OF THE WORK.
26.

ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

27.

UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

28.

THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

29.

IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.

30.

THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

31.

THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.

32.

ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE RESPONSIBLE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.

33.

ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.

34.

THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION.

35.

SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

36.

NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

37.

THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

38.

THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.

39.

IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

40.

THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.

41.

SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.

42.

PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR.

43.

SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.

44.

ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

45.

ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS.

46.

ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.

47.

CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T MOBILITY SITES."

48.

SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

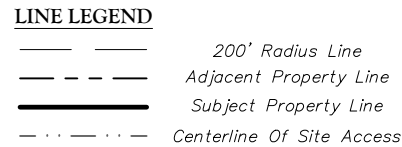
49.

THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION, ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

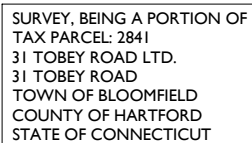
50.

SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN ALERT OF DANGEROUS EXPOSURE LEVELS.
- 
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- |     |          |                           |          |            |
|-----|----------|---------------------------|----------|------------|
| 1   | 07/22/19 | RESPONSES TO COUNCIL      | AJC      | RA         |
| 2   | 06/21/19 | REVISED PER ABUTTERS LIST | JCM      | RA         |
| 1   | 06/05/19 | REVISED PER COMMENTS      | AJC      | RA         |
| 0   | 04/09/19 | ISSUED FOR REVIEW         | AJC      | RA         |
| REV | DATE     | DESCRIPTION               | DRAWN BY | CHECKED BY |
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- SITE NAME:  
SIMSBURY -  
BUSHY HILL RD.  
FA# 12906926  
SITE# CT2413S
- 345 BUSHY HILL ROAD  
SIMSBURY, CT 06070  
HARTFORD COUNTY
- 
- RED BANK OFFICE  
331 Newman Springs Road  
Suite 203  
Red Bank, NJ 07701-5669  
Phone: 732.383.1950  
Fax: 732.383.1984  
email: solutions@maserconsulting.com
- SHEET TITLE:
- GENERAL NOTES
- SHEET NUMBER:
- GN-I
- \\pfs001\95111290692A\CT\061122\Rev 0 - Interior - tower-AWG-CL-1 By: ANEVES

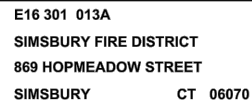




I. THERE ARE 68 HOMES WITHIN A 1000' RADIUS OF THE SUBJECT PROPERTY.



1. THERE ARE 68 HOMES WITHIN A 1,000' RADIUS OF THE SUBJECT PROPERTY.
2. THERE ARE NO SCHOOLS OR CHILD DAY CARE CENTERS WITHIN A 1,000' RADIUS OF THE SUBJECT PROPERTY.
3. THE CLOSEST SCHOOL IS APPROXIMATELY 5,300'± TO THE SUBJECT PROPERTY.
3. THE CLOSEST CHILD DAY CARE CENTER IS APPROXIMATELY 11,500'± TO THE SUBJECT PROPERTY.



C16 301 002  
TASHJI GEORGETTE AND IRENE  
6 CANTON ROAD  
WEST SIMSBURY CT 06092

C16 301 010  
STEELE CHRISTOPHER L AND LINDSAY J  
5 OAKHURST ROAD  
SIMSBURY CT 06070

C16 404 002  
LOVELAND RICHARD E AND KIM E  
1 HILDURCREST DRIVE  
SIMSBURY CT 06070

C16 301 001  
LINDQUIST CHRISTOPHER J  
8 CANTON ROAD  
WEST SIMSBURY CT 06092

**C16 301 003**  
**MACDONALD GEFF**  
**4 CANTON ROAD**  
**WEST SIMSBURY CT 06 06092**

**C16 301 013**  
**ST JEAN CARL AND KARIANN**  
**11 OAKHURST ROAD**  
**SIMSBURY CT 06070**

C16 301 008  
MILLER ELIZABETH AND KODZ JOSEPH  
9 OAKHURST ROAD  
SIMSBURY CT 06070

**C16 301 011A**  
**FILIPPOPOULOS KONSTANTINOS**  
**17 OAKHURST ROAD**  
**SIMSBURY CT 06070**

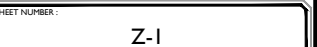
**C16 301 012A**  
**SIMSBURY FIRE DISTRICT**  
**869 HOPMEADOW STREET**  
**SIMSBURY CT 06070**

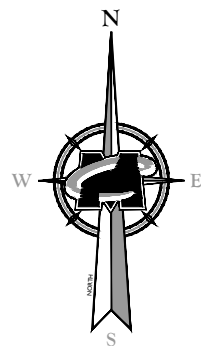
C16 301 014  
BOYKO LORI AND STEPHEN JR  
15 OAKHURST ROAD  
SIMSBURY CT 06070

**C16 404 001**  
**BUTLER STEVEN J AND ELIZABETH A**  
**2 HILDURCREST DRIVE**  
**SIMSBURY CT 06070**

C16 404 21-23B  
DEELEY SHAWN R AND MARGARET M  
348 BUSHY HILL ROAD  
SIMSBURY CT 06070

C16 301 004  
KEATING ANDREW M  
2 CANTON ROAD  
WEST SIMSBURY CT 06092





PROPOSED AT&T 20kW AC GENERATOR ON  
A PROPOSED 4'-0"x6'-0" CONCRETE PAD

PROPOSED 6'-8"x6'-8" AT&T W.I.C. ON A  
PROPOSED 8'-0"x8'-0" CONCRETE PAD

PROPOSED GPS ANTENNA

Existing AT&T Lease Area  
(758 Sq. Ft.)

PROPOSED CHAIN LINK FENCE

PROPOSED RETAINING WALL  
(11.7' TOTAL AND 9.7' EXPOSED)

Existing Tree Line

60'-0"± TO NEAREST PROPERTY LINE

Existing Propane Tank

Existing Curb (Typ.)

Existing Cable Bridge

Existing Utilities  
Backboard

Existing Verizon  
Equipment Shelter

Existing Transformer

15'-8"

11'-9"

22'-9"

21'-0"

Existing Light Post  
(Typ.)

Existing Telco Pull Box

Existing Bollard  
(Typ. of 2)

PROPOSED AREA TO BE PAVED

Existing Access  
Gate (Typ.)

Existing Chain Link Fence  
(Typ.)

Existing Underground Cable Port

Existing Building  
(Typ.)

Existing Monopole  
(SEE SHEET C-2 FOR ELEVATION VIEW)

NOTE:  
-AT&T LEASE AREA REQUIRES 200 YD<sup>3</sup> OF  
BACK FILL FOR LEVELING.  
-AT&T LEASE AREA REQUIRES REMOVAL OF  
~12 TREES WITH A TRUNK DIAMETER >= 6"

#### PARTIAL SITE PLAN



SCALE : 1" = 10' FOR 22"X34"  
(SCALE : 1" = 20' FOR 11"X17")



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SITE NAME:  
SIMSBURY -  
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FA# 12906926  
SITE# CT2413S

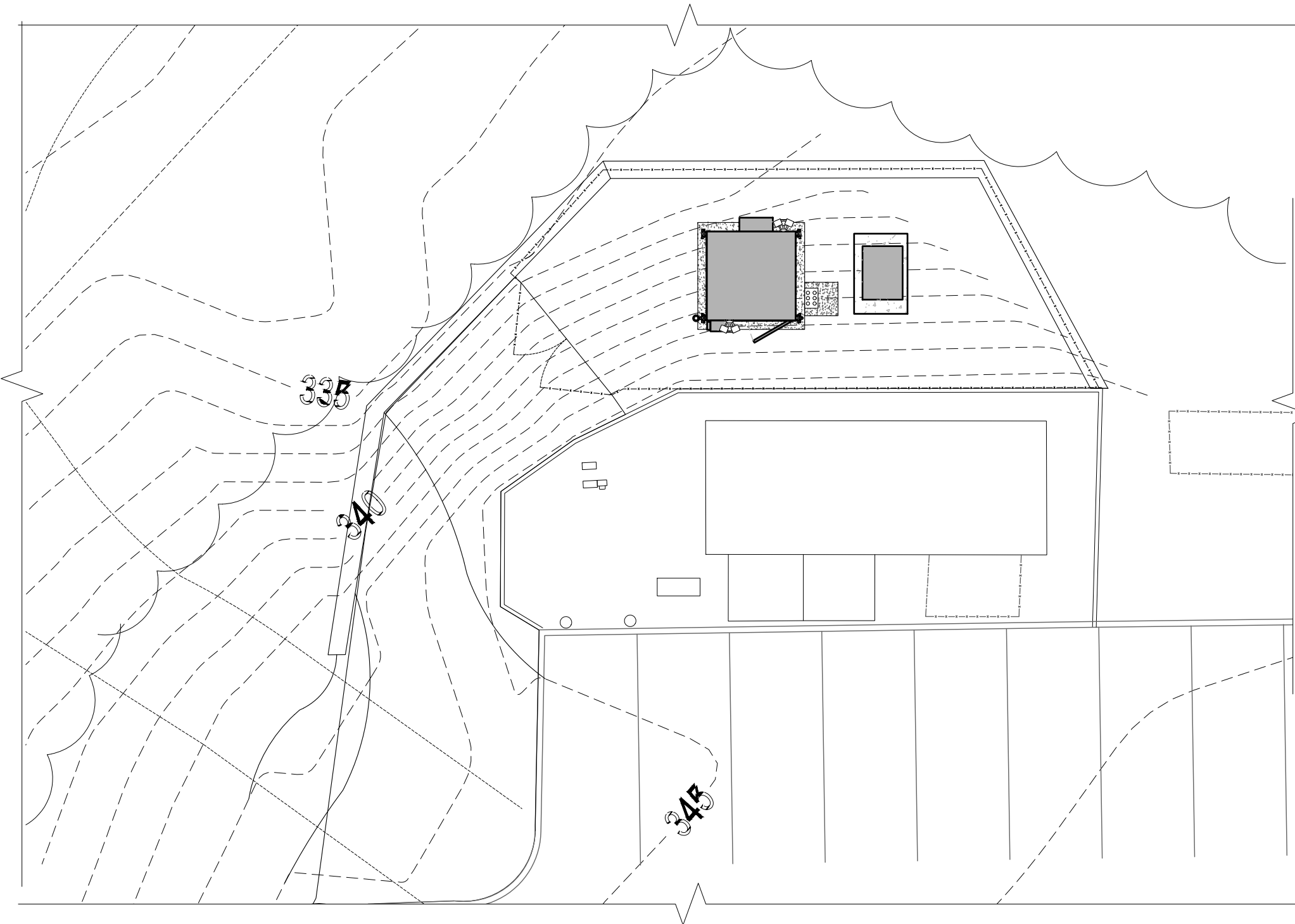
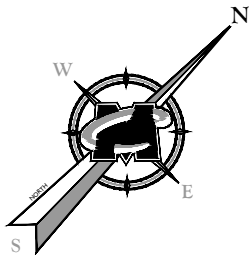
345 BUSHY HILL ROAD  
SIMSBURY, CT 06070  
HARTFORD COUNTY



RED BANK OFFICE  
331 Newman Springs Road  
Suite 203  
Red Bank, NJ 07701-5669  
Phone: 732.383.1950  
Fax: 732.383.1984  
email: solutions@maserconsulting.com

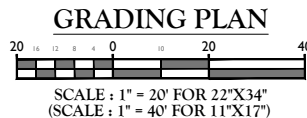
SHEET TITLE:  
PARTIAL SITE PLAN

SHEET NUMBER:  
Z-2



LINE LEGEND

- Contour Major - Existing  
----- Contour Minor - Existing  
===== CONTOUR - PROPOSED



NOTES:

- PLAN ENTITLED "SIMSBURY FIRE STATION PREPARED BY EBI, DATED: 04/11/14 WERE PROVIDED BY SMARTLINK. MASER CONSULTING CONNECTICUT HAS NOT VERIFIED PROPOSED GRATING.



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PETROS E. TSOUKALAS  
CONNECTICUT PROFESSIONAL  
ENGINEER - LICENSE NUMBER: 32577

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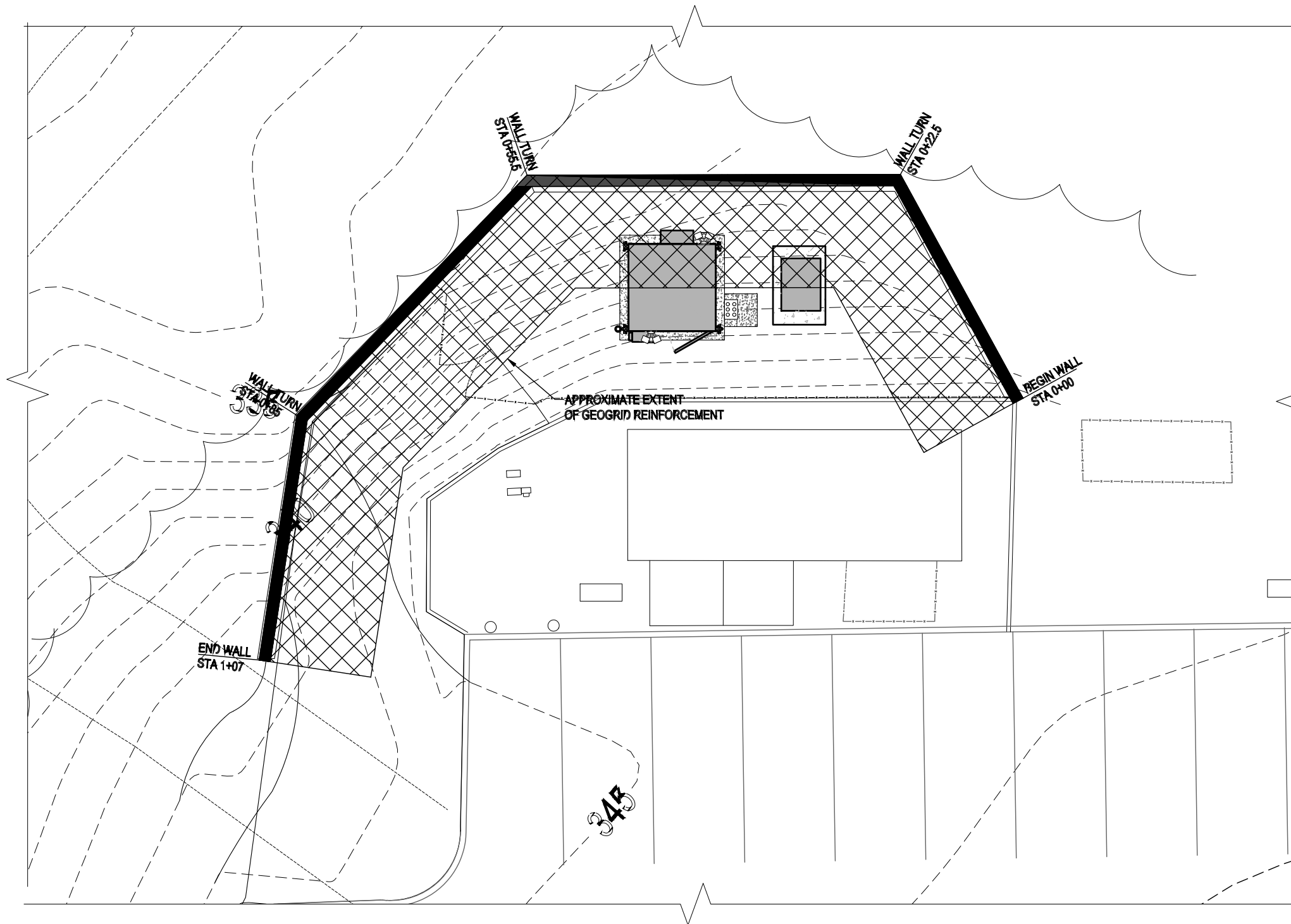
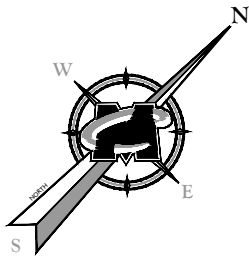
SITE NAME:  
SIMSBURY -  
BUSHY HILL RD.  
FA# 12906926  
SITE# CT2413S

345 BUSHY HILL ROAD  
SIMSBURY, CT 06070  
HARTFORD COUNTY



SHEET TITLE:  
GRADING PLAN

SHEET NUMBER:  
Z-3



GRADING PLAN  
20 15 10 5 0 5 10 15 20 40  
SCALE : 1" = 20' FOR 22"X34"  
(SCALE : 1" = 40' FOR 11"X17")

LINE LEGEND  
----- Contour Major - Existing  
----- Contour Minor - Existing  
===== CONTOUR - PROPOSED

- NOTES:
- PLAN ENTITLED "SIMSBURY FIRE STATION PREPARED BY EBI, DATED: 04/11/14 WERE PROVIDED BY SMARTLINK. MASER CONSULTING CONNECTICUT HAS NOT VERIFIED PROPOSED GRATING.
  - AT&T LEASE AREA REQUIRES 200 YD^3 OF BACK FILL FOR LEVELING.
  - AT&T LEASE AREA REQUIRES REMOVAL OF ~12 TREES WITH A TRUNK DIAMETER >= 6"



SCALE:	JOB NUMBER:
AS SHOWN	18946092A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
3	07/22/19	RESPONSES TO COUNCIL	AJC	RA
2	06/21/19	REVISED PER ABUTTERS LIST	JCM	RA
1	06/05/19	REVISED PER COMMENTS	AJC	RA
0	04/09/19	ISSUED FOR REVIEW	AJC	RA

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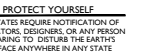
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**SIMSBURY, CT 06070**  
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3	07/22/19	RESPONSES TO COUNCIL	AJC	RA	
2	06/21/19	REVISED PER ABUTTERS LIST	JCM	RA	
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0	04/09/19	ISSUED FOR REVIEW	AJC	RA	
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	

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5 BUSHY HILL ROAD  
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HARTFORD COUNTY



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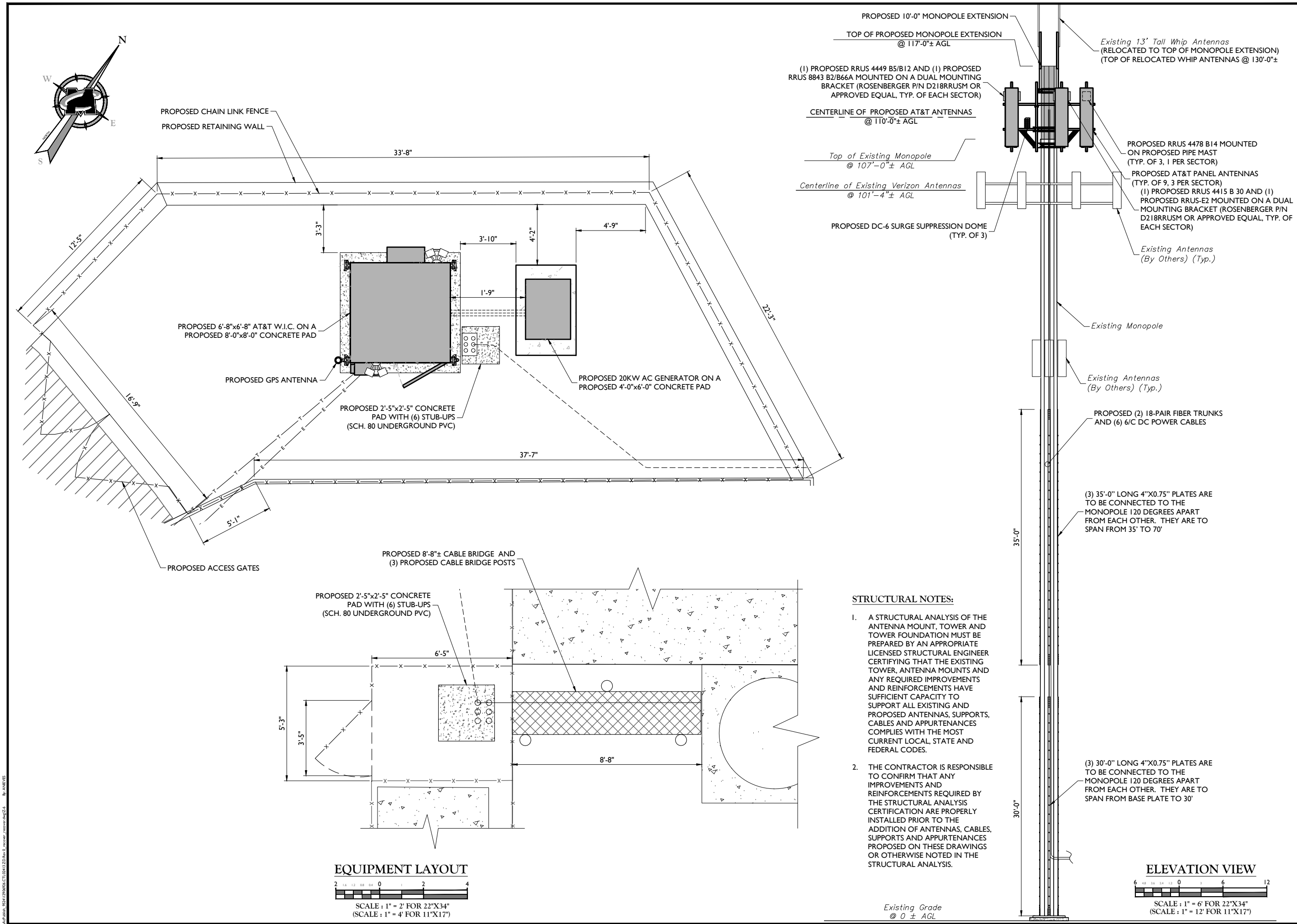
## GRADING PLAN

---



SCALE : 1" = 20' FOR 22"X34"  
(SCALE : 1" = 40' FOR 11"X17")

\\p01nas\9511290975\CT1011322\Rev 0 - tower - tower.dwg 24 By: ANEVES



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Call before you dig.  
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AS SHOWN	18946092A

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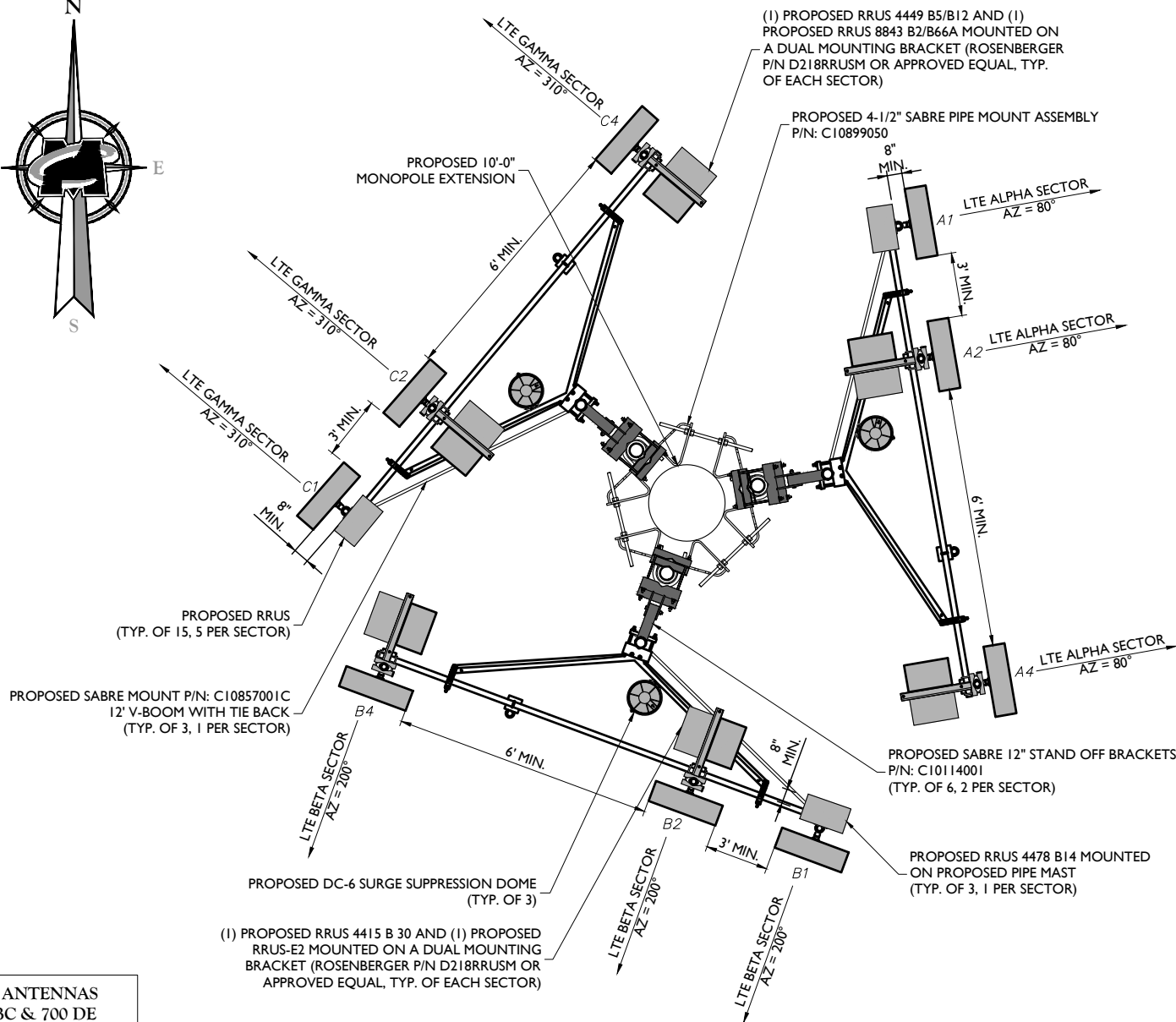
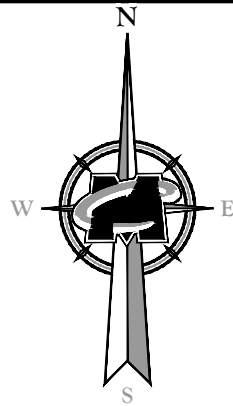
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Phone: 732.383.1950  
Fax: 732.383.1984  
email: solutions@maserconsulting.com

**SHEET TITLE:**  
EQUIPMENT LAYOUT AND  
ELEVATION VIEW

**SHEET NUMBER:**  
Z-6





3 FEET MINIMUM SEPARATION BETWEEN LTE ANTENNAS  
6 FEET MINIMUM SEPARATION BETWEEN 700BC & 700 DE  
8 INCH MINIMUM SEPARATION BETWEEN BACK OF PANEL  
ANTENNA TO EXISTING/PROPOSED EQUIPMENT

PROPOSED ANTENNA LAYOUT  
NOT TO SCALE

ANTENNA SCHEDULE														
SECTOR		PROPOSED ANTENNA	TECHNOLOGY	ANTENNA STATUS	HEIGHT (in)	WIDTH (in)	DEPTH (in)	WEIGHT (lbs)	ANTENNA AZIMUTH (DEG.)	ANT. CL. ELEV. (ft.)	REMOTE RADIO/TMA CONFIGURATION	TRANSMISSION CABLE		
												QUANTITY	TYPE	STATUS
Sector 1	1	KMW EPBQ-454L8H8-L2	LTE	PROPOSED	96.00	21.00	6.30	86.00	80	110'	(1) RRUS 4478 B14	1/2	FIBER/DC	PROPOSED
	2	CCI HPA65R-BU8A	LTE	PROPOSED	96.00	11.70	7.60	57.30	80	110'	(1) RRUS 4415 B30 (1) RRUS-E2	-	-	-
	3	KMW EPBQ-454L8H8-L2	LTE	PROPOSED	96.00	21.00	6.30	95.40	80	110'	(1) RRUS 4449 B5/B12 (1) RRUS 8843 B2/B66A	-	-	-
	4		-	-					-	-	-	-	-	-
Sector 2	1	KMW EPBQ-454L8H8-L2	LTE	PROPOSED	96.00	21.00	6.30	86.00	200	110'	(1) RRUS 4478 B14	1/2	FIBER/DC	PROPOSED
	2	CCI HPA65R-BU8A	LTE	PROPOSED	96.00	11.70	7.60	57.30	200	110'	(1) RRUS 4415 B30 (1) RRUS-E2	-	-	-
	3	KMW EPBQ-454L8H8-L2	LTE	PROPOSED	96.00	21.00	6.30	95.40	200	110'	(1) RRUS 4449 B5/B12 (1) RRUS 8843 B2/B66A	-	-	-
	4		-	-					-	-	-	-	-	-
Sector 3	1	KMW EPBQ-454L8H8-L2	LTE	PROPOSED	96.00	21.00	6.30	86.00	310	110'	(1) RRUS 4478 B14	2	DC	PROPOSED
	2	CCI HPA65R-BU8A	LTE	PROPOSED	96.00	11.70	7.60	57.30	310	110'	(1) RRUS 4415 B30 (1) RRUS-E2	-	-	-
	3	KMW EPBQ-454L8H8-L2	LTE	PROPOSED	96.00	21.00	6.30	95.40	310	110'	(1) RRUS 4449 B5/B12 (1) RRUS 8843 B2/B66A	-	-	-
	4		-	-					-	-	-	-	-	-



SCALE: AS SHOWN JOB NUMBER: 18946092A

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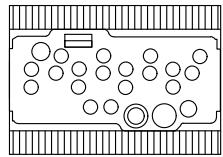
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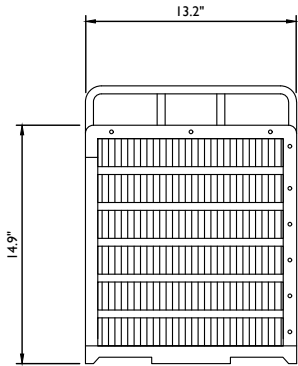
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email: solutions@maserconsulting.com

SHEET TITLE:  
**ANTENNA LAYOUTS AND  
ANTENNA SCHEDULE**

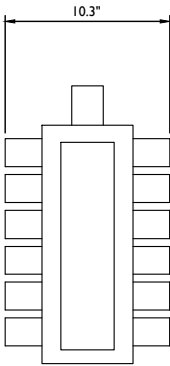
SHEET NUMBER:  
**Z-7**



PLAN VIEW



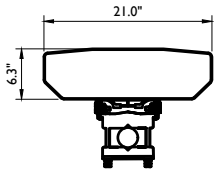
FRONT VIEW



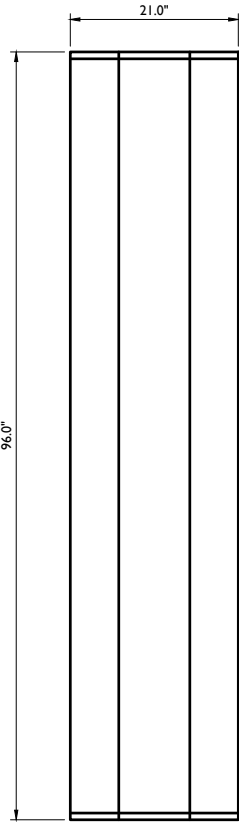
SIDE VIEW

WEIGHT = 72.0 LBS W/O MOUNTING HARDWARE  
(INCLUDES SUNSHIELD AND DOUBLE FILTER CHASSIS)  
WEIGHT: 72.0 LBS

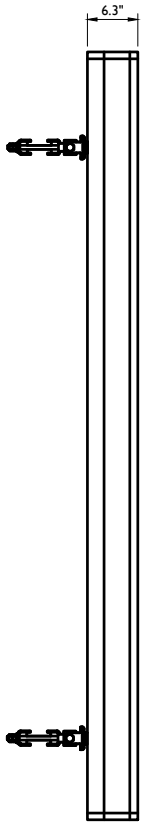
**ERICSSON DUAL BAND  
RRU-8843 B2+B66A DETAIL**  
NOT TO SCALE



PLAN VIEW



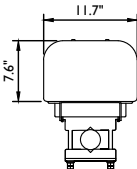
FRONT VIEW



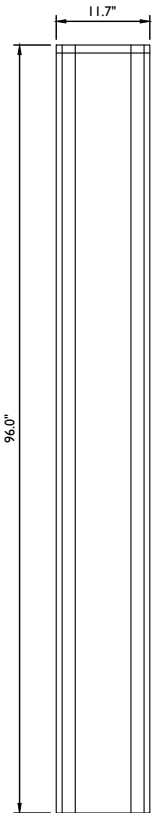
SIDE VIEW

WEIGHT WITHOUT MOUNTING BRACKET = 86 LBS  
WEIGHT WITH MOUNTING BRACKET = 95.4 LBS

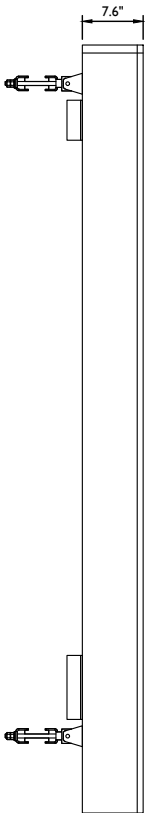
**KMW EPBQ-654L8H8-L2**  
NOT TO SCALE



PLAN VIEW



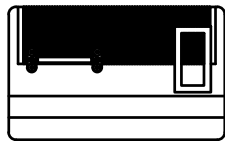
FRONT VIEW



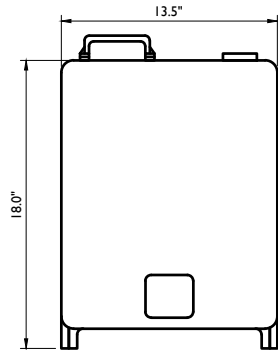
SIDE VIEW

WEIGHT WITHOUT MOUNTING BRACKET = 54 LBS  
WEIGHT WITH MOUNTING BRACKET = 66.6 LBS

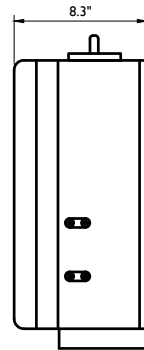
**CCI HPA65R-BU8A ANTENNA**  
NOT TO SCALE



PLAN VIEW



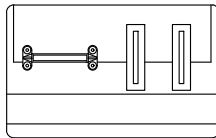
FRONT VIEW



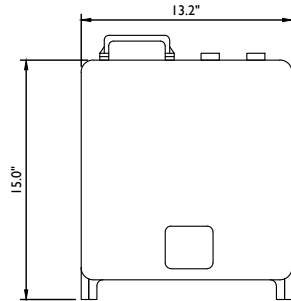
SIDE VIEW

WEIGHT INCLUDES SUNSHIELD = 59.9 LBS

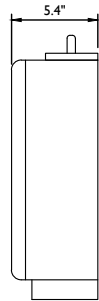
**ERICSSON RRUS 4478 B14**  
NOT TO SCALE



PLAN VIEW



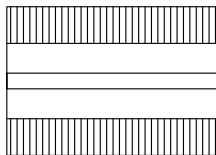
FRONT VIEW



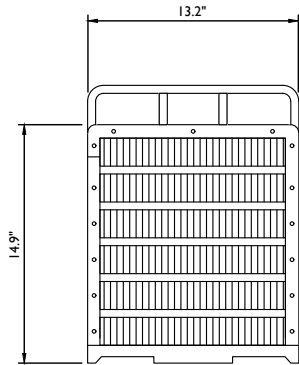
SIDE VIEW

WEIGHT INCLUDES SUNSHIELD = 44 LBS

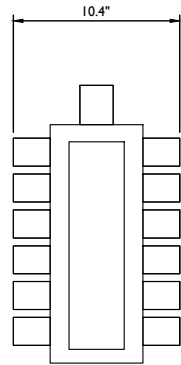
**ERICSSON RRUS 4415 B30**  
NOT TO SCALE



PLAN VIEW



FRONT VIEW



SIDE VIEW

WEIGHT = 73 LBS W/O MOUNTING HARDWARE  
DIMENSIONS (H X W X D): 14.9\"H X 13.2\"W X 10.4\"  
(INCLUDES SUNSHIELD) WEIGHT: 73.0 LBS

**ERICSSON DUAL BAND  
RRUS-4449 B5+B12 DETAIL**  
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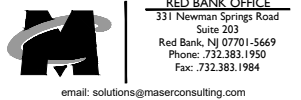
SCALE: AS SHOWN JOB NUMBER: 18946092A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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RED BANK OFFICE  
331 Newman Springs Road  
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Red Bank, NJ 07701-5669  
Phone: 732.383.1950  
Fax: 732.383.1984  
email: solutions@maserconsulting.com

SHEET TITLE:

DETAILS

SHEET NUMBER:

A-1



SCALE:	JOB NUMBER:
AS SHOWN	18946092A

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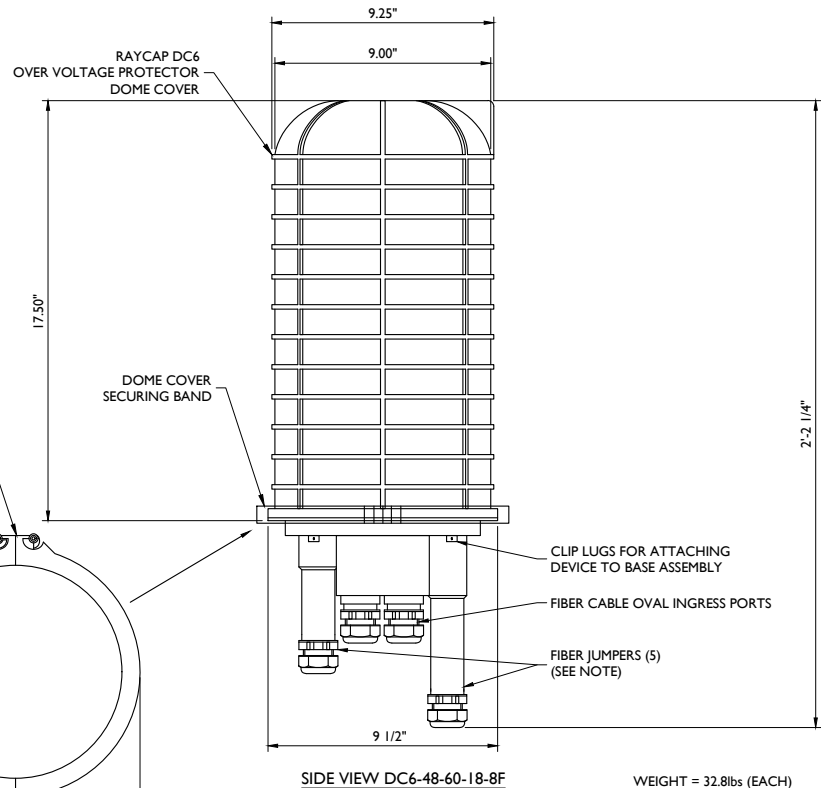
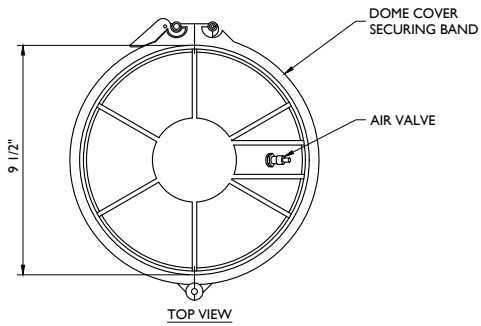
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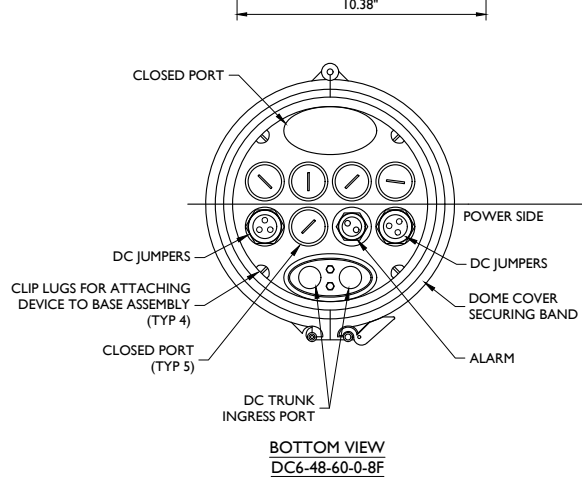
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email: solutions@maserconsulting.com

SHEET TITLE:  
**DETAILS**

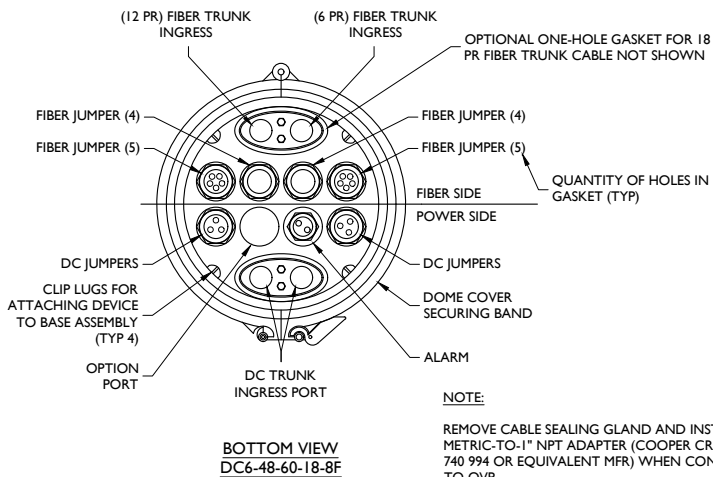
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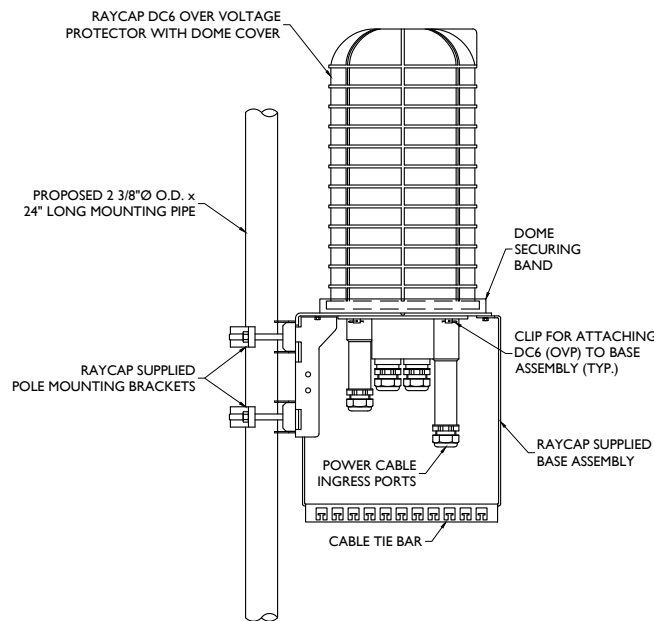
WEIGHT = 32.8lbs (EACH)



**DC6 SURGE SUPPRESSION DOME DETAIL**  
NOT TO SCALE



**NOTE:**  
REMOVE CABLE SEALING GLAND AND INSTALL M32x1.5 METRIC-TO-1" NPT ADAPTER (COOPER CROUSE-HINES P/N CAP 740 994 OR EQUIVALENT MFR) WHEN CONNECTING CONDUIT TO OVP.

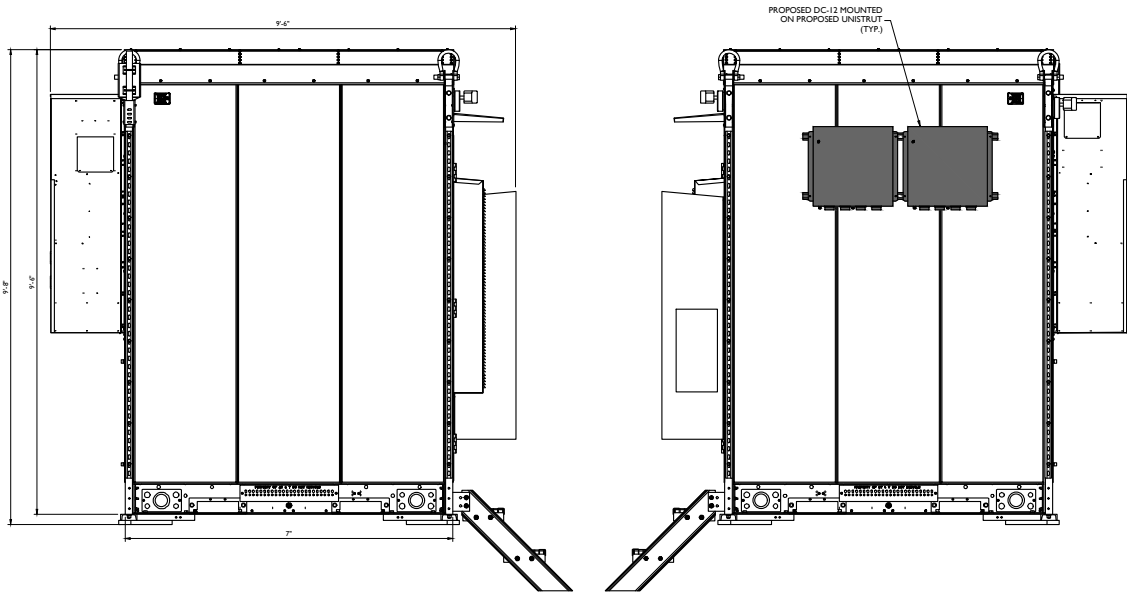
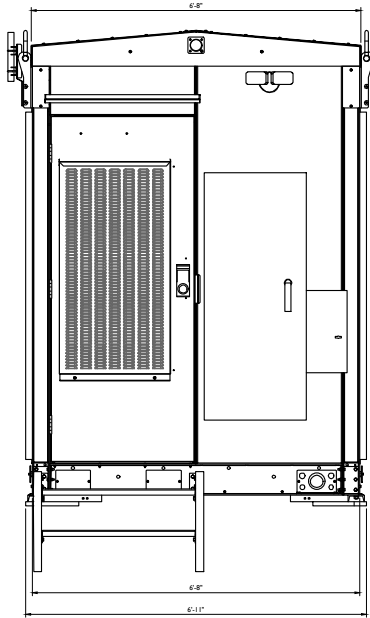


**NOTES:**  
RAYCAP VIA AT&T SUPPLIES THE DC6 OVER VOLTAGE PROTECTOR AND PIPE MOUNTING BRACKETS. SUBCONTRACTOR SHALL SUPPLY THE PIPE.

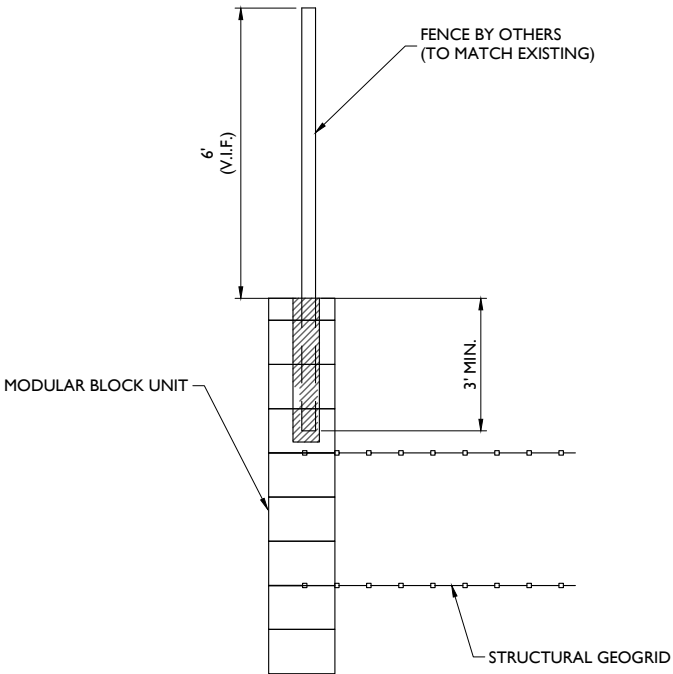
**DC6 SURGE SUPPRESSION DOME**  
**ANTENNA PLATFORM MOUNT ASSEMBLY**  
NOT TO SCALE



- Color – Pebble-Gray, RAL7032.
- Finish – Standard finish is multistage dry powder polyester paint for maximum durability and performance against corrosion. Optional exterior finishes also available upon request.
- NetSure™ 7100 DC Power System in 23" rack with three (3) battery trays (Third Party Integrated).
- NCU system and generator control (Third Party Integrated).
- (2) 19" or 23" equipment welded frames installed. One with fiber patch panel and the other without. (Third Party Integrated.)

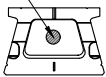


Vertiv | XTE 802 Series Walk-In-Cabinet (WIC) (631-205-434)

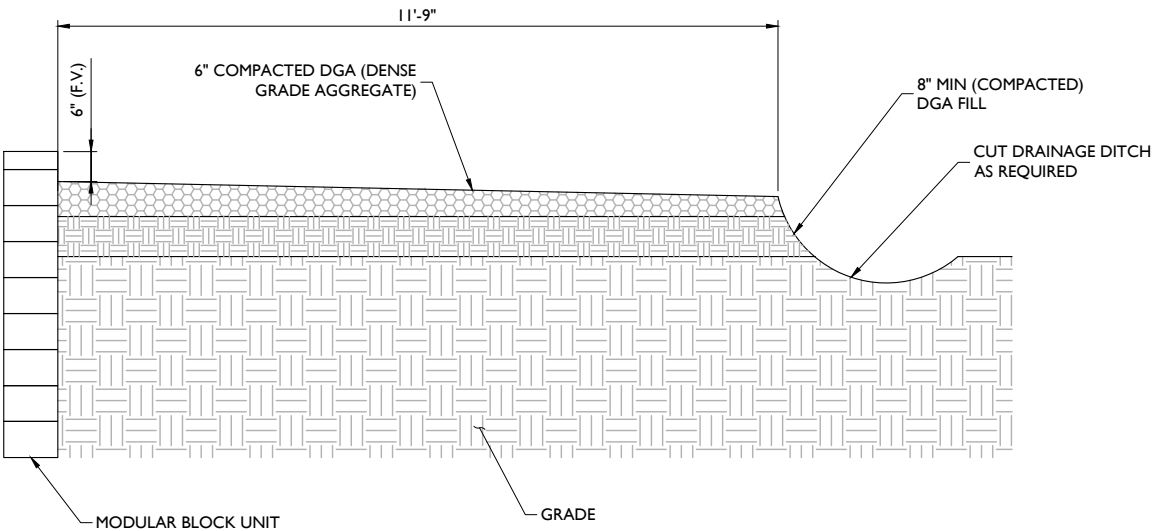


FENCE DETAIL  
SCALE: NTS

NON-SHRINK GROUT  
POST IN PLACE



FENCE POST EMBEDMENT DETAIL



SCALE:	JOB NUMBER:
AS SHOWN	18946092A

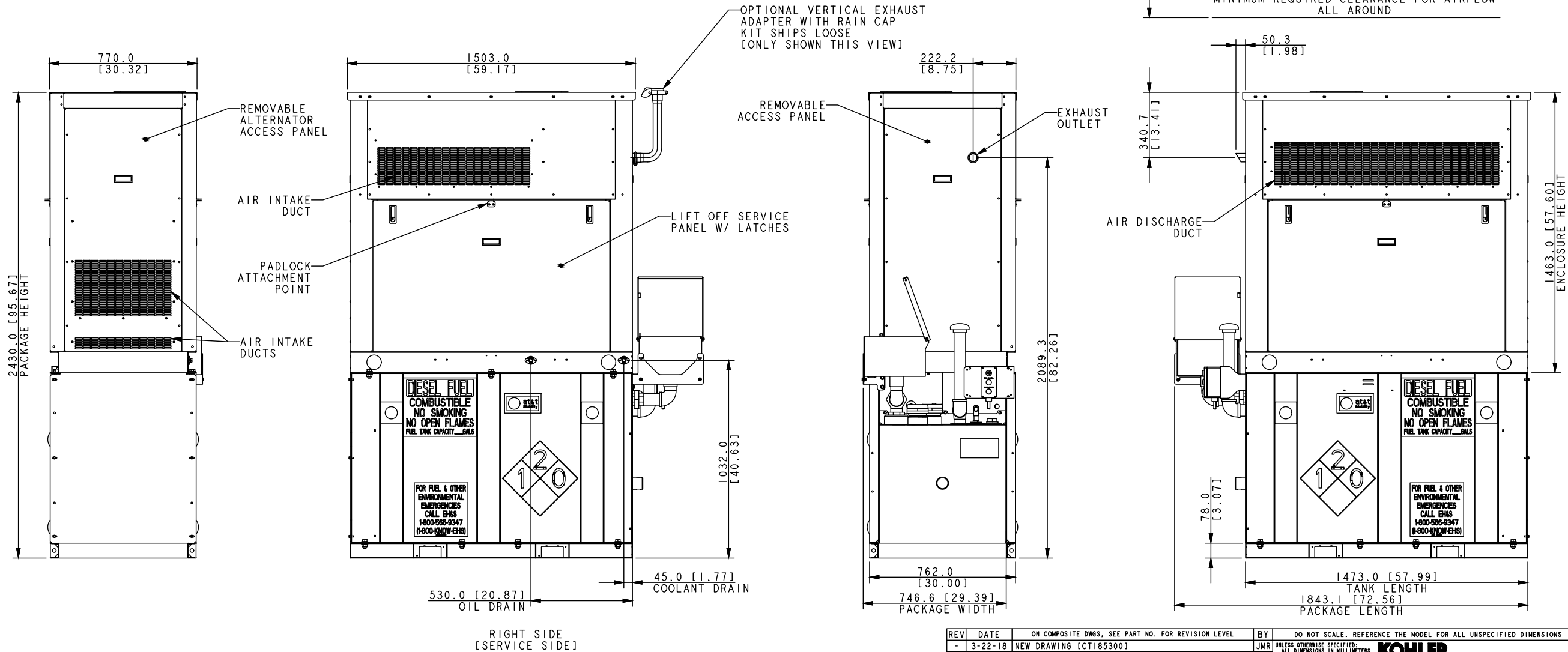
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CONNECTICUT PROFESSIONAL  
ENGINEER - LICENSE NUMBER: 32577

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

**SITE NAME:**  
**SIMSBURY -**  
**BUSHY HILL RD.**  
**FA# 12906926**  
**SITE# CT2413S**  
**345 BUSHY HILL ROAD**  
**SIMSBURY, CT 06070**  
**HARTFORD COUNTY**

- NOTES:
1. ALL SIDES OF THE GENERATOR ARE SERVICE ACCESSIBLE. RIGHT SIDE IS PRIMARY SERVICE SIDE.
  2. 6 AMP BATTERY CHARGER.
  3. 120VAC ENGINE BLOCK HEATER.
  4. 120VAC 80W BATTERY HEATER.
  5. GENERATOR MUST BE GROUNDED.
  6. SOUND ATTENUATED ENCLOSURE STANDARD WITH GENERATOR.
  7. MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST.
  8. MUST ALLOW FREE FLOW OF INTAKE AIR.
  9. BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
  10. TANK EQUIPPED WITH FIRE SAFETY VALVE ON FUEL SUPPLY LINE.
  11. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
  12. GENERATOR IS INSTALLED ON A UL-142 RATED DOUBLE WALL SUBBASE FUEL TANK.



AT&T 20KW KOHLER DIESEL  
COMPACT SOUND ENCLOSURE  
W/ 105 GAL STATE TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL	BY	DO NOT SCALE. REFERENCE THE MODEL FOR ALL UNSPECIFIED DIMENSIONS								
-	3-22-18	NEW DRAWING [CT185300]	JMR	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS IN MILLIMETERS GENERAL TOLERANCES: 1.2X ± 0.25 1.2X ± 1.0 SURFACE FINISH 1.2X ± 1.5 MAX. ANGLES ± 0°30'								
				<b>KOHLER</b> NEWER, VINCENNES, IN 47586 THIS DRAWING IN DESIGN AND DETAIL IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.								
				TITLE: <b>DIMENSION PRINT, 20KW STATE TANK, ENCL</b>								
				APPROVALS: <table><tr><th>DATE</th><th>DATE</th></tr><tr><td>3-22-18</td><td>3-22-18</td></tr><tr><td>3-22-18</td><td>3-22-18</td></tr><tr><td>3-22-18</td><td>3-22-18</td></tr></table>	DATE	DATE	3-22-18	3-22-18	3-22-18	3-22-18	3-22-18	3-22-18
DATE	DATE											
3-22-18	3-22-18											
3-22-18	3-22-18											
3-22-18	3-22-18											
				SCALE: 0.40 CAD NO. SHEET 1 of 3								
				DWG NO. <b>ADV-9064</b>								
				<b>D</b>								

GENERATOR DETAIL  
NOT TO SCALE



SCALE:		JOB NUMBER:		
AS SHOWN		18946092A		
3	07/22/19	RESPONSES TO COUNCIL	AJC	RA
2	06/21/19	REVISED PER ABUTTERS LIST	JCM	RA
1	06/05/19	REVISED PER COMMENTS	AJC	RA
0	04/09/19	ISSUED FOR REVIEW	AJC	RA
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

**PETROS E. TSOUKALAS**  
CONNECTICUT PROFESSIONAL  
ENGINEER - LICENSE NUMBER: 32577

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**RED BANK OFFICE**  
331 Newman Springs Road  
Suite 203  
Red Bank, NJ 07701-5669  
Phone: 732.383.1950  
Fax: 732.383.1984  
email: solutions@maserconsulting.com

SHEET TITLE:  
**CONSTRUCTION DETAILS**

SHEET NUMBER:  
**A-4**

NEW CINGULAR WIRELESS PCS, LLC (AT&T) PETITION FOR A DECLARATORY RULING, PURSUANT TO CONNECTICUT GENERAL STATUTES §4-176 AND §16-50K, FOR THE PROPOSED MODIFICATIONS TO AN EXISTING WIRELESS TELECOMMUNICATIONS FACILITY AT THE SIMSBURY VOLUNTEER FIRE DEPARTMENT LOCATED AT 345 BUSHY HILL ROAD, SIMSBURY, CONNECTICUT. PETITION NO. 1373

## **RESPONSES TO SITING COUNCIL INTERROGATORIES**

### **SET ONE**

A.

A. **60'**

A. Retaining Wall Height : 11.7' Total and 9.7' Exposed.  
No Barriers besides the top of wall are being proposed.

A.  $\sim 200 \text{ yd}^3$

**A. 12 trees with a trunk diameter greater than 6"**

A. The chain link fence is to match the height of the existing fences. ~6'

A.

**A. No**

