



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

Web Site: [portal.ct.gov/esc](http://portal.ct.gov/esc)

VIA ELECTRONIC MAIL

May 23, 2023

Victoria Masse  
Northeast Site Solutions  
420 Main Street, Unit 1, Box 2  
Sturbridge, MA 01566-1359  
[victoria@northeastsitesolutions.com](mailto:victoria@northeastsitesolutions.com)

RE: **PETITION NO. 1570** – Dish Wireless, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for proposed modifications to an existing telecommunications facility located at Chesley Park, 35 Wildwood Street, New Britain, Connecticut.

Dear Victoria Masse:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than June 13, 2023.

Please submit an original and 15 copies to the Council's office and an electronic copy to [siting.council@ct.gov](mailto:siting.council@ct.gov). In accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies, the Council requests all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

**Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the June 13, 2023 deadline.**

Copies of your responses are required to be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

A handwritten signature in dark ink, appearing to read "Melanie Bachman".

Melanie Bachman  
Executive Director

MB/IN

c: Service List dated May 1, 2023

**Petition No. 1570**  
**Dish Wireless LLC**  
**Chesley Park, 35 Wildwood Street, New Britain, Connecticut**

**Interrogatories**  
**May 23, 2023**

**Notice**

1. Referencing p. 3 of the Petition, a copy of the Petition was provided to Brandon Robertson, Town Manager of the City of New Britain. Brandon Robertson is the Town Manager for the Town of Avon. Please confirm a copy of the Petition was sent to the chief elected official of the City of New Britain and on what date.

**This is a typo; the filing was sent out to Mayor Erin Stewart per the attached label.**

2. Referencing Section V, p. 3 and Attachment 7 of the Petition, has the City of New Britain and/or any abutting property owners provided comments to Dish since the Petition filing? If so, please summarize the comments.

**No, we have not received a response from any of the abutting properties.**

**Project Development**

3. Is the project, or any portion of the project, proposed to be undertaken by state departments, institutions or agencies, or to be funded in whole or in part by the state through any contract or grant?

**No.**

4. Would the proposed antenna installation at the existing facility be needed for coverage or capacity? What areas in the vicinity of the existing facility would benefit from the proposed installation?

**The proposed antenna installation is needed for coverage. Dish Wireless's colocation on the existing Octagon Monopole/ball field light pole in New Britain will provide Dish coverage to the eastern side of New Britain, including CT Route 9, the interchange with CT route 72, Route 174 and a small stretch of Route 5 as well as roads, homes, and businesses in the immediate area.**

**Existing Facility**

5. Is the compound expansion area within the existing facility's lease area? Submit a depiction of the existing facility lease area.

**Yes, please see attached exhibit labeled Fourth Amendment to ground lease.**

6. Would construction have any impacts on park operations? How would park resources and activities be maintained during construction? Explain.

**No, Dish will only utilize space in the communications compound and the immediate adjacent area during construction.**

7. The site plan for Council Petition 703 depicted landscape screening around the equipment compound. Would any landscape trees be removed and/or trimmed at the existing facility site to accommodate construction of the proposed compound expansion area?  
**No, the landscape trees will not be removed or trimmed for this installation.**

### **Proposed Modifications**

8. Referring to Petition p. 1, define “normal business hours” for construction.  
**Dish’s normal construction operates Monday through Saturday 8am-6pm for construction or as Landlord allows. Specific hours of operation for the cell tower are not called out in the lease. Per local jurisdictions ordinance construction hours are between 7am to 7pm Monday through Saturday.**
9. How will the proposed equipment platform and radio cabinets be installed? What construction equipment will be used and how will it access the construction area?  
**The equipment is brought to the site on trucks and placed by rigging the tower or by hand.**
10. Will excavation and/or filling be required to accommodate the compound expansion area and swing gate?  
**No excavation work will be needed for the expansion area and gate.**
11. Provide photographs of the compound expansion area.  
**Please see attached photos of the compound expansion.**
12. What is the distance of the equipment expansion area to John Downey Road?  
**Per engineer Paul Thomas (Project Manager with Infinigy) the distance of the equipment expansion to John Downey Road is +/- 57’-0”.**

### **Environmental**

13. Referencing p. 2 of the Petition, and Sheet A-1, would any of the trees along the east side of the existing compound parallel to John Downey Drive need to be removed and/or trimmed?  
**No, the trees along the east side will not be disturbed.**

### **Public Safety**

14. Identify the applicable safety standards and/or codes for the proposed equipment, machinery or technology that would be used or operated at the facility.  
**Dish will follow all OSHA, FCC, NEC and building codes as Dish engineers and completes construction on the site.**
15. Would any lighting be installed on Dish’s equipment? If so, what would it be used for? Would it be on all the time, have a motion sensor or work on a preset timer?  
**No, Dish will not be installing any lighting.**

16. Referring to Sheet A-3, "Platform Equipment Plan," a proposed generator plug is depicted. Would DISH obtain emergency backup power from a temporary mobile generator? If power is lost to DISH's equipment, can DISH still provide wireless services from the site through a network sharing agreement with another wireless carrier located at the site?

**The generator plug is for potential future use and Dish's current plan is 8 hours of battery backup and then use the AT&T / TMO networks as part of our user agreements.**



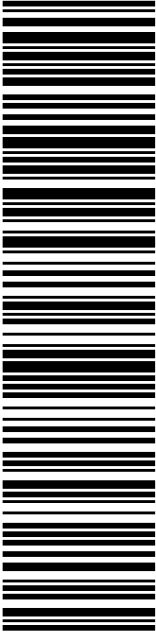
17. Would construction have any impact on the nearby fire hydrant? Provide the distance of the proposed compound expansion to the nearby fire hydrant. Would this distance be compliant with the National Fire Protection Association (NFPA) code for fire hydrants?

**Per engineer Paul Thomas (Project Manager with Infinigy) the construction would not have any impact on the nearby fire hydrant. The closest fire hydrant is +/- 62'-0" away on Downey Road. The distance falls within the 500'-0" NFPA requirement.**



# Exhibit A

## **Mailing Label**

 <b>UNITED STATES POSTAL SERVICE®</b>		<b>Click-N-Ship®</b>	
<b>P</b>		usps.com 9405 5036 9930 0532 4735 00 0096 5000 0020 6051 <b>\$9.65</b> <b>US POSTAGE</b> Flat Rate Env	
04/26/2023		Mailed from 01566 98675846580993	
<b>PRIORITY MAIL®</b>		<b>U.S. POSTAGE PAID</b> Click-N-Ship®	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS STE 1 420 MAIN ST STURBRIDGE MA 01566-1359		Expected Delivery Date: 04/28/23 Ref#: DD-00114A <b>0000</b>	
 ERIN STEWART MAYOR- CITY OF NEW BRITAIN 27 W MAIN ST NEW BRITAIN CT 06051-2283		<b>C020</b>	
<b>USPS TRACKING #</b>			
			
<b>9405 5036 9930 0532 4735 00</b>			
Electronic Rate Approved #038555749			



Cut on dotted line.

## Instructions

- Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
- Place your label so it does not wrap around the edge of the package.
- Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.
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- Mail your package on the "Ship Date" you selected when creating this label.

## Click-N-Ship® Label Record

**USPS TRACKING # :**  
**9405 5036 9930 0532 4735 00**

Trans. #: 587352399  
 Print Date: 04/26/2023  
 Ship Date: 04/26/2023  
 Expected Delivery Date: 04/28/2023

Priority Mail® Postage: **\$9.65**  
 Total: **\$9.65**

**From:** DEBORAH CHASE  
 NORTHEAST SITE SOLUTIONS  
 STE 1  
 420 MAIN ST  
 STURBRIDGE MA 01566-1359

Ref#: DD-00114A

**To:** ERIN STEWART  
 MAYOR- CITY OF NEW BRITAIN  
 27 W MAIN ST  
 NEW BRITAIN CT 06051-2283

\* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.



Thank you for shipping with the United States Postal Service!  
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# Exhibit B

## **Construction Drawings**



DISH Wireless L.L.C. SITE ID:

BOBDL00114A

DISH Wireless L.L.C. SITE ADDRESS:

35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

CONNECTICUT CODE OF COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2021 IBC W/ CT AMENDMENTS
MECHANICAL	2021 IMC W/ CT AMENDMENTS
ELECTRICAL	2020 NEC

SHEET INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1	OVERALL AND ENLARGED SITE PLAN
A-1.1	SITE PLAN & ABUTTERS LIST
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
A-7	FENCE DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL/FIBER DETAILS
E-3	ELECTRICAL ONE-LINE & PANEL SCHEDULE
G-1	GROUNDING PLANS AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GN-1	LEGEND AND ABBREVIATIONS
GN-2	RF SIGNAGE
GN-3	GENERAL NOTES
GN-4	GENERAL NOTES
GN-5	GENERAL NOTES
TOWER MODIFICATION SCHEDULE & DETAILS (BY BST) (7 PAGES)	

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

- TOWER SCOPE OF WORK:
- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
  - INSTALL (1) PROPOSED PLATFORM
  - INSTALL PROPOSED JUMPERS
  - INSTALL (6) PROPOSED RRUs (2 PER SECTOR)
  - INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
  - INSTALL (1) PROPOSED HYBRID CABLE

- GROUND SCOPE OF WORK:
- INSTALL (1) PROPOSED METAL PLATFORM
  - INSTALL (1) PROPOSED ICE BRIDGE
  - INSTALL (1) PROPOSED PPC CABINET
  - INSTALL (1) PROPOSED EQUIPMENT CABINET
  - INSTALL (1) PROPOSED POWER CONDUIT
  - INSTALL (1) PROPOSED TELCO CONDUIT
  - INSTALL (1) PROPOSED TELCO-FIBER BOX
  - INSTALL (1) PROPOSED GPS UNIT
  - INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
  - INSTALL (1) PROPOSED CIENA BOX (IF REQUIRED)
  - INSTALL (1) PROPOSED METER SOCKET
  - INSTALL PROPOSED FENCE LINE

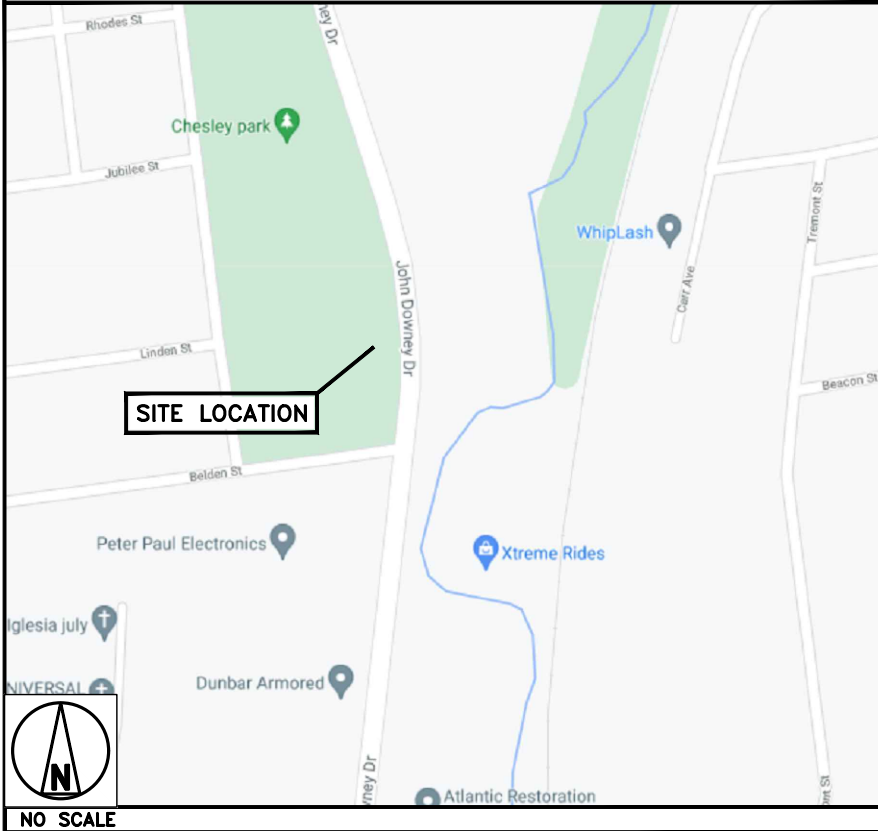
SITE PHOTO

DIRECTIONS

DIRECTIONS FROM TOURS OF DISTINCTION AIRPORT:

DEPART AND HEAD TOWARD MASSACO ST, TURN RIGHT ONTO MASSACO ST, TURN RIGHT ONTO US-202 W / CT-10 / HOPMEADOW ST, TURN LEFT ONTO CT-185 / HARTFORD RD, TURN RIGHT ONTO NOD RD, BEAR RIGHT ONTO CT-10 / WATERVILLE RD, TURN LEFT ONTO CT-4 / FARMINGTON AVE, TAKE THE RAMP ON THE RIGHT FOR I-84 WEST AND HEAD TOWARD WATERBURY, AT EXIT 35, HEAD LEFT ON THE RAMP FOR CT-72 EAST TOWARD MIDDLETOWN / NEW BRITAIN, AT EXIT 9, HEAD RIGHT ON THE RAMP FOR CT-71 TOWARD MAIN ST, TURN LEFT ONTO CT-71 / HARRY S TRUMAN OVERPASS, TURN RIGHT ONTO CT-174 / E MAIN ST, TURN RIGHT TO STAY ON CT-174 / EAST ST, TURN LEFT TO STAY ON CT-174 / NEWINGTON AVE, TURN RIGHT ONTO JOHN DOWNEY DR, ARRIVE AT, WILDWOOD STREET, NEW BRITAIN, CT 6051

VICINITY MAP



UNDERGROUND SERVICE ALERT CBYD 811  
UTILITY NOTIFICATION CENTER OF CONNECTICUT  
(800) 922-4455  
WWW.CBYD.COM

CALL 2 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION



GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

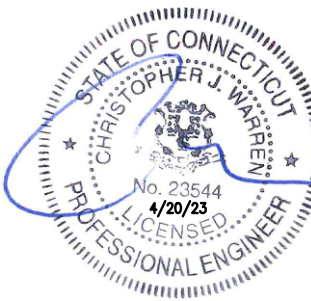
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



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

DRAWN BY:	CHECKED BY:	APPROVED BY:
RCD	PT	CJW

RFDS REV #: N/A

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
1	10/25/21	ISSUED FOR PERMIT
2	11/29/22	ISSUED FOR PERMIT
3	12/12/22	ISSUED FOR PERMIT
4	02/07/23	ISSUED FOR PERMIT
5	04/16/23	ISSUED FOR PERMIT

A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

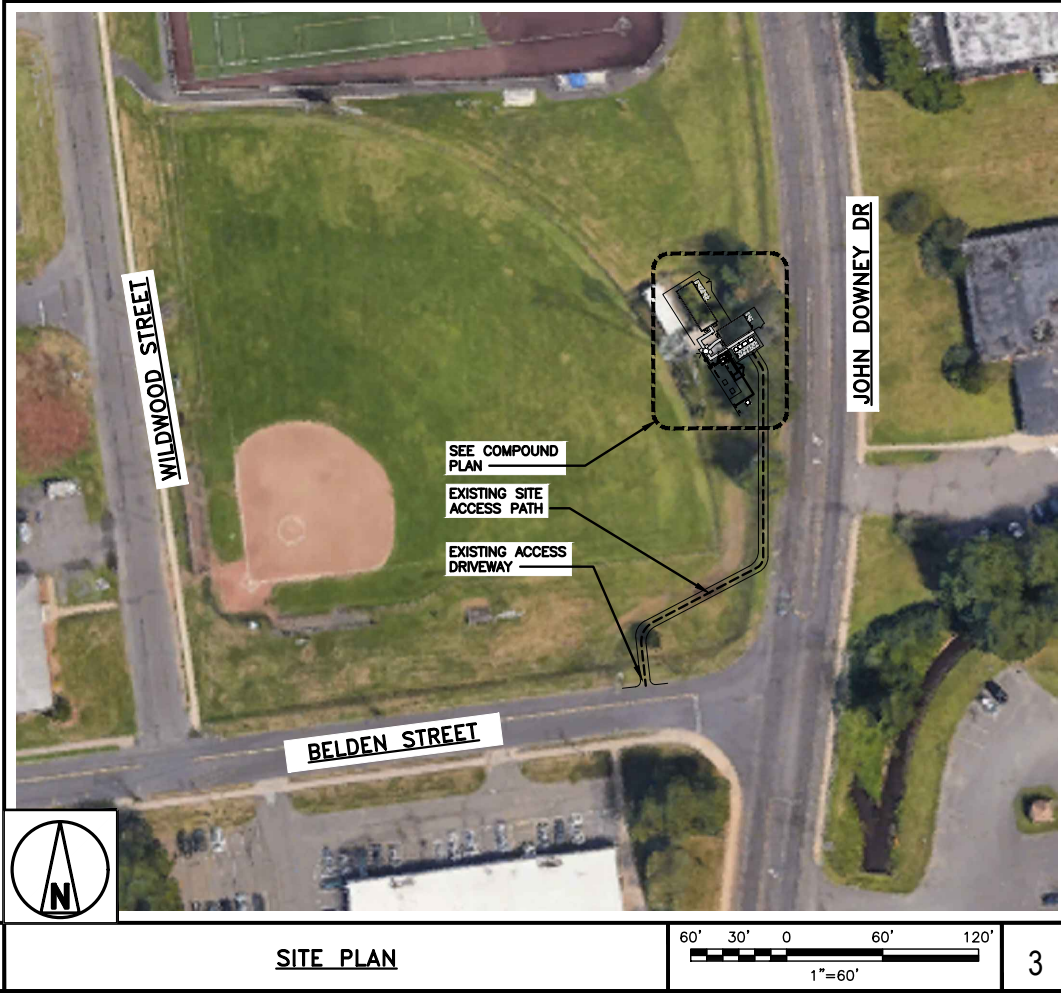
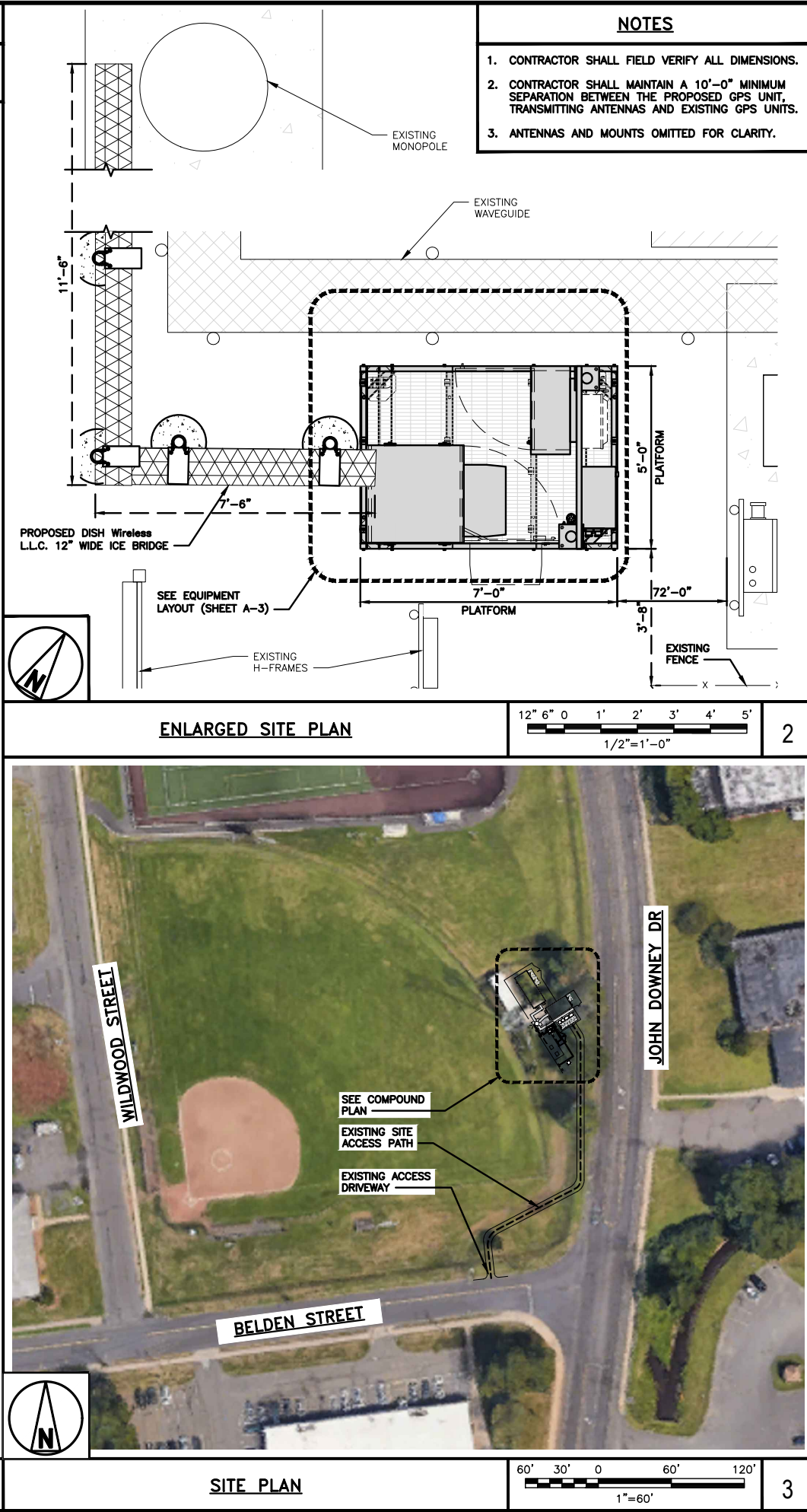
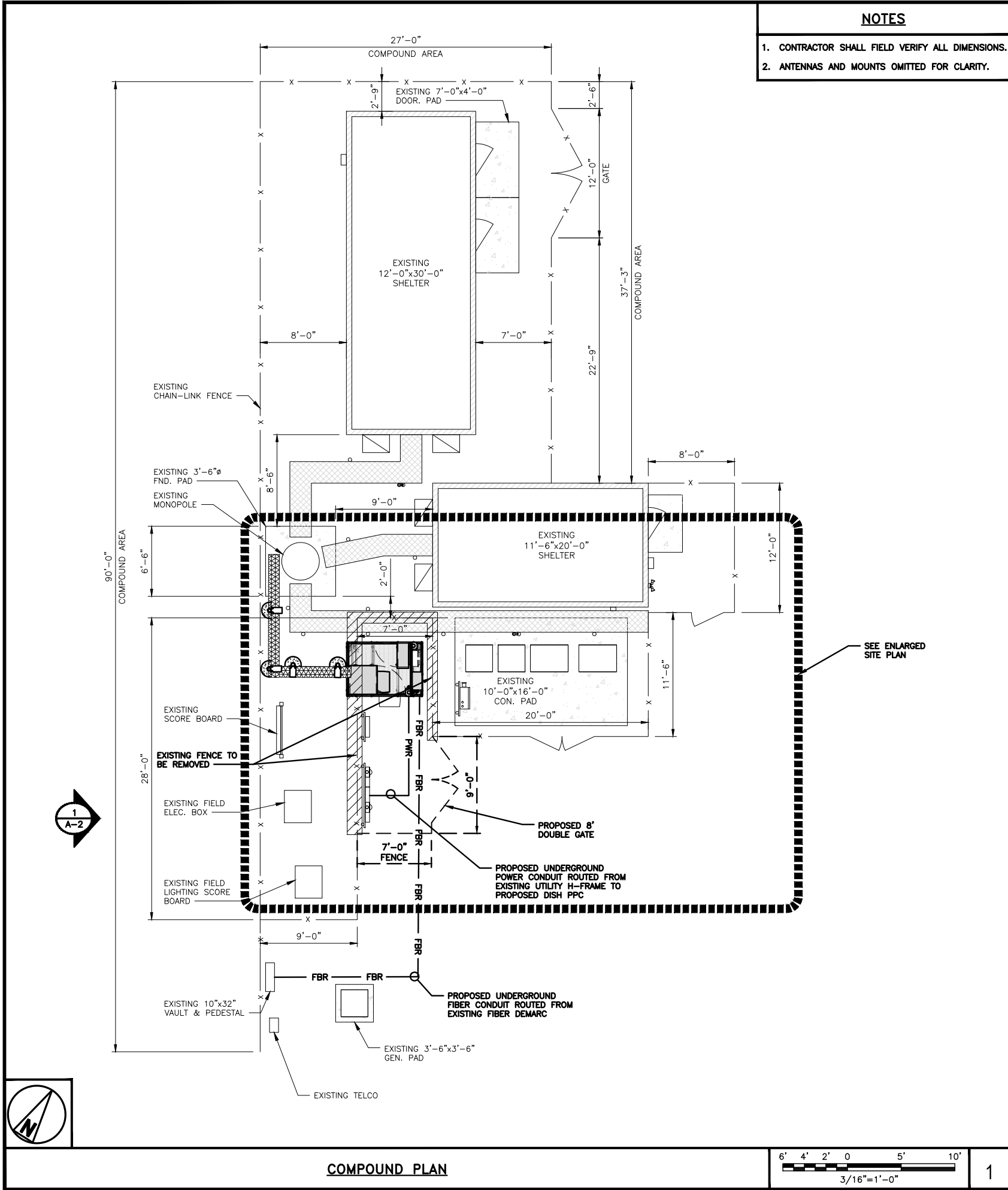
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



dish  
wireless.

5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

NORTHEAST  
SITE SOLUTIONS

certified  
WBENC

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STATE OF CONNECTICUT

CHRISTOPHER J. WARREN

No. 23544

4/20/23

PROFESSIONAL ENGINEER

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DRAWN BY: CHECKED BY: APPROVED BY:

RCD PT CJW

RFDS REV #: N/A

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A&E PROJECT NUMBER  
1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
OVERALL AND ENLARGED  
SITE PLAN

SHEET NUMBER  
A-1





Newington

APPROXIMATE LOCATION  
OF EXISTING FENCED  
COMPOUND

ABUTTERS LIST:

Parcel ID	Site Address	Owner Name	Co-Owner Name	Mailing Address	Mailing Address 2	Mailing City	Mailing State	Mailing Zip
A8C 2	456 JOHN DOWNEY DR	V S REALTY ASSOCIATES LLC		PO BOX 1180		NEW BRITAIN	CT	06050-0000
A8D 1	475 JOHN DOWNEY DR	ROLDANS PROPERTIES LLC		475 JOHN DOWNEY DR		NEW BRITAIN	CT	06051-0000
A8D 2	515 JOHN DOWNEY DR	MINT MANUFACTURING LLC		515 JOHN DOWNEY DR		NEW BRITAIN	CT	06051-0000
A8D 3	533 JOHN DOWNEY DR	MALKOWSKI TADEUSZ		90 ROARING BROOK DR		SOUTHINGTON	CT	06489-0000
A8A 3	555 JOHN DOWNEY DR	WANDA 555 LLC		533 JOHN DOWNEY DR		NEW BRITAIN	CT	06051-0000
A8A 2	595 JOHN DOWNEY DR	MICROCARE LLC		595 JOHN DOWNEY DR		NEW BRITAIN	CT	06051-0000
A8B 2	212 LINDEN ST	NEW BRITAIN CITY OF - LAND		27 WEST MAIN ST		NEW BRITAIN	CT	06051-0000
A8B 117	55 MARKET ST	EIGHTY EIGHT-NINETY CLARK STREET LLC		23 WEST TRACT RD		CROMWELL	CT	06416-0000
A7C 46	168 NEWINGTON AVE	BARLOW JOEL BRUCE &	BARLOW CAROL-ANN	259 WOOD POND RD		GLASTONBURY	CT	06033-0000
A8B 111	175 NEWINGTON AVE	DENVER JONES LLC		22 GILBRONSON RD		UNION	CT	06076-0000
A8B 113	189 NEWINGTON AVE	BEAR METALS LLC		4 PEBBLE DR		NEWINGTON	CT	06111-0000
A7C 1	206 NEWINGTON AVE	SILO VENTURES LLC		206 NEWINGTON AVE		NEW BRITAIN	CT	06051-0000
A7D 20	240 NEWINGTON AVE	TWO HUNDRED FORTY NEWINGTON AVENUE LLC		66 CEDAR ST STE 300B		NEWINGTON	CT	06111-0000
A8A 1	265 NEWINGTON AVE	ARCESI FAMILY INVESTMENT LTP		100 STONEGATE CT		CHESHIRE	CT	06410-0000
A8B 1	35 WILDWOOD ST	NEW BRITAIN CITY OF - PARK	CHESLEY PARK	27 WEST MAIN ST		NEW BRITAIN	CT	06051-0000
A8C 47	2 WILDWOOD ST	ROSS MATTHEW		21 HOMECREST ST		NEWINGTON	CT	06111-0000
A8C 53	236 BELDEN ST	MONTELLEANOS TEODOLINDA		236 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8C 146	237 BELDEN ST	DOBROWOLSKI SYLVIA G + BRZOSKA ANTONI + ANNETTE + MEGAN &	DOBROWOLSKI SOPHIE K	237 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8C 246	241 BELDEN ST		BELOWSKI JOZEF + BARNES DOROTA	241-243 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8C 51	242 BELDEN ST	COLLINS TONILYNN		242 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8C 346	245 BELDEN ST	VASILADIS EVANGELOS +	VASILADIS KYRIAKI	245 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8B 28	221 JUBILEE ST	GONZALEZ NATHANIA		221 JUBILEE ST		NEW BRITAIN	CT	06051-0000
A8B 29	227 JUBILEE ST	DOWNS PATRICIA		227 JUBILEE ST		NEW BRITAIN	CT	06051-0000
A8B 300	230 JUBILEE ST	TARICANI MEUSSA		230 JUBILEE ST		NEW BRITAIN	CT	06051-0000
A8B 30	233 JUBILEE ST	PEREZ JINNETTE +	ORR ANDRE	233 JUBILEE ST		NEW BRITAIN	CT	06051-0000
A8B 32	236 JUBILEE ST	SMITH CHARLES A		236 JUBILEE ST		NEW BRITAIN	CT	06051-0000
A8C 52	227 LINDEN ST	KONARSKI MARCIN +	KONARSKA ANNA	227 LINDEN ST		NEW BRITAIN	CT	06053-0000
A8C 48	243 LINDEN ST	ROSS MATTHEW		21 HOMECREST ST		NEWINGTON	CT	06111-0000
A8C 49	237 LINDEN ST	ZAREBSKI ALICJA K		237 LINDEN ST		NEW BRITAIN	CT	06051-0000
A8B 33	7 MARKET ST	ZAPATA YANETH B		3254 MACINTOSH RD		LAND O LAKES	FL	34639-0029-0000
A8B 34	13 MARKET ST	WILEY TAMI J		13 MARKET ST		NEW BRITAIN	CT	06051-0000
A8B 37	17 MARKET ST	DORBUCK BRANDON		17 MARKET ST		NEW BRITAIN	CT	06051-0000
A8B 38	23 MARKET ST	VOLPE DENNIS		23 MARKET ST		NEW BRITAIN	CT	06051-0000
A8B 41	27 MARKET ST	ROOT DORIS		27 MARKET ST		NEW BRITAIN	CT	06051-0000
A8B 122	39 MARKET ST	PORTER CARL		150 VINE ST		HARTFORD	CT	06112-0000
A8B 121	45 MARKET ST	MORRIS KATHERINE C T		45 MARKET ST		NEW BRITAIN	CT	06051-0000
A8B 120	49 MARKET ST	WODARSKI PROPERTIES		45 CURTIN AVE		NEW BRITAIN	CT	06053-0000
A8B 116	59 MARKET ST	ANCONA BENJAMIN JR		360 MAPLE HILL AVE		NEWINGTON	CT	06111-0000
A8B 136	65 MARKET ST	RIVERA-REYES EUEL J +	CARRION LISA M	65 MARKET ST		NEW BRITAIN	CT	06051-0000
A8B 123	214 RHODES ST	GRENIER AMELIA		214 RHODES ST		NEW BRITAIN	CT	06051-0000
A8B 35	16 WILDWOOD ST	LOPES PAUL & LUIS		PO BOX 311171		NEWINGTON	CT	06131-0000
A8B 36	20 WILDWOOD ST	LOPES PAUL		PO BOX 311171		NEWINGTON	CT	06131-0000
A8B 39	24 WILDWOOD ST	SUPER EAGLE LLC		845 WORTHINGTON RIDGE		BERLIN	CT	06037-0000
A8B 40	28 WILDWOOD ST	BAWL MARQUIS BRANDON JAVON		28 WILDWOOD ST		NEW BRITAIN	CT	06051-0000
A8B 119	48 WILDWOOD ST	WODARSKI CHRISTOPHER +	WODARSKI IZABELA	45 CURTIN AVE		NEW BRITAIN	CT	06053-0000
A8B 118	54 WILDWOOD ST	LOUIS PHILL J		54 WILDWOOD ST		NEW BRITAIN	CT	06051-0000
A8B 115	60 WILDWOOD ST	WOJTOWICZ MARIAN		60 WILDWOOD ST		NEW BRITAIN	CT	06051-0000
A8B 114	66 WILDWOOD ST	HERNANDEZ FLORENTINO		66 WILDWOOD ST		NEW BRITAIN	CT	06051-0000
A8B 330	220 JUBILEE ST	SANTIAGO KATIRIA +	DIAZ HECTOR	220 JUBILEE ST		NEW BRITAIN	CT	06051-0000



SITE PLAN

NO SCALE

1

ABUTTERS LIST

NO SCALE

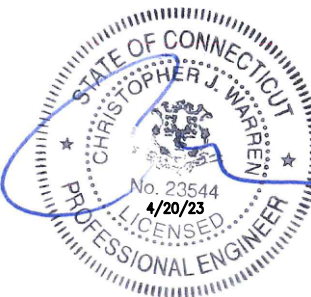
2



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LITTLETON, CO 80120



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RCD PT CJW

RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
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3	12/12/22	ISSUED FOR PERMIT
4	02/07/23	ISSUED FOR PERMIT
5	04/16/23	ISSUED FOR PERMIT

A&E PROJECT NUMBER  
1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
SITE PLAN &  
ABUTTERS LIST

SHEET NUMBER

A-1.1



- NOTES
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS

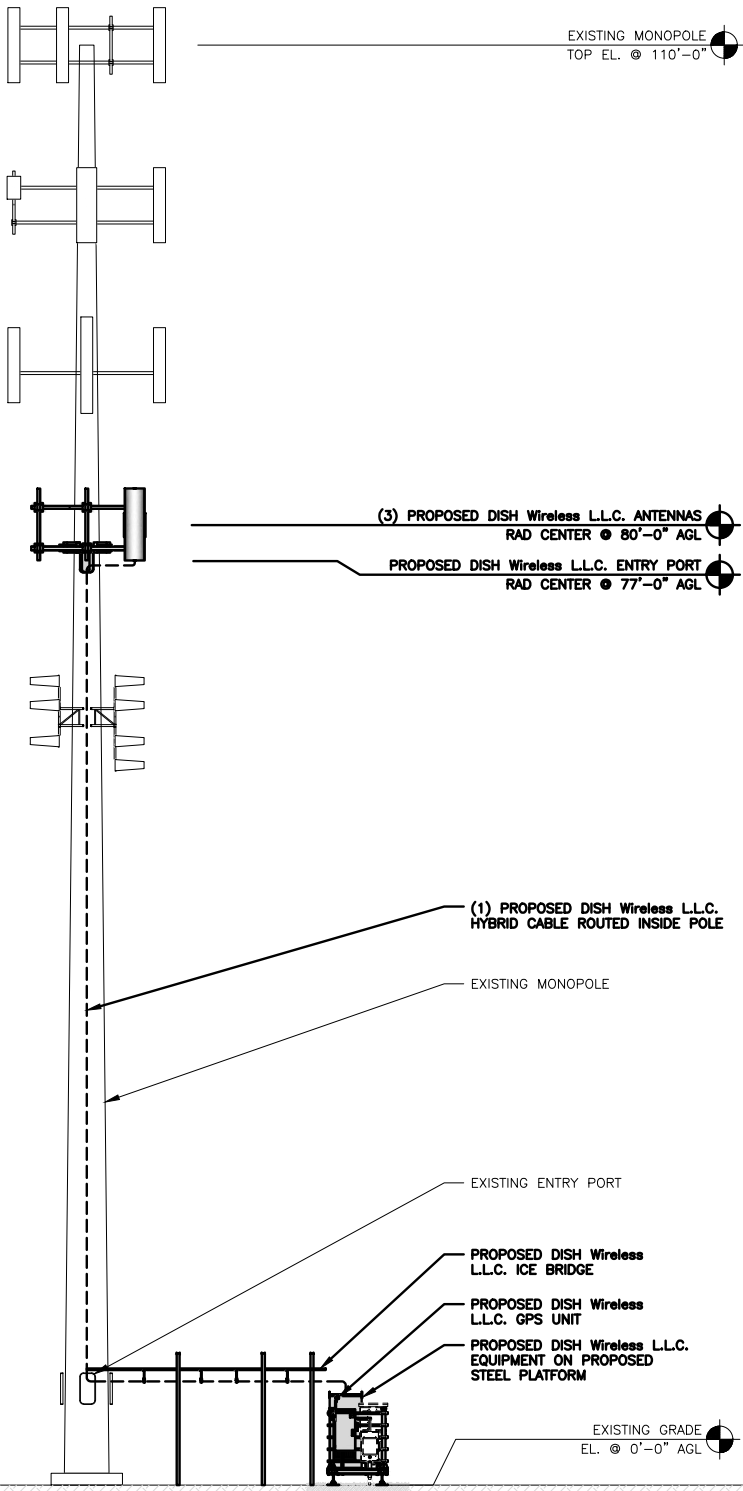
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.

4. BASED ON THE MOUNT ANALYSIS COMPLETED BY INFINIGY DATED 12/08/2022, THE EXISTING ANTENNA MOUNTS ARE CAPABLE OF SUPPORTING THE PROPOSED EQUIPMENT CONFIGURATION.

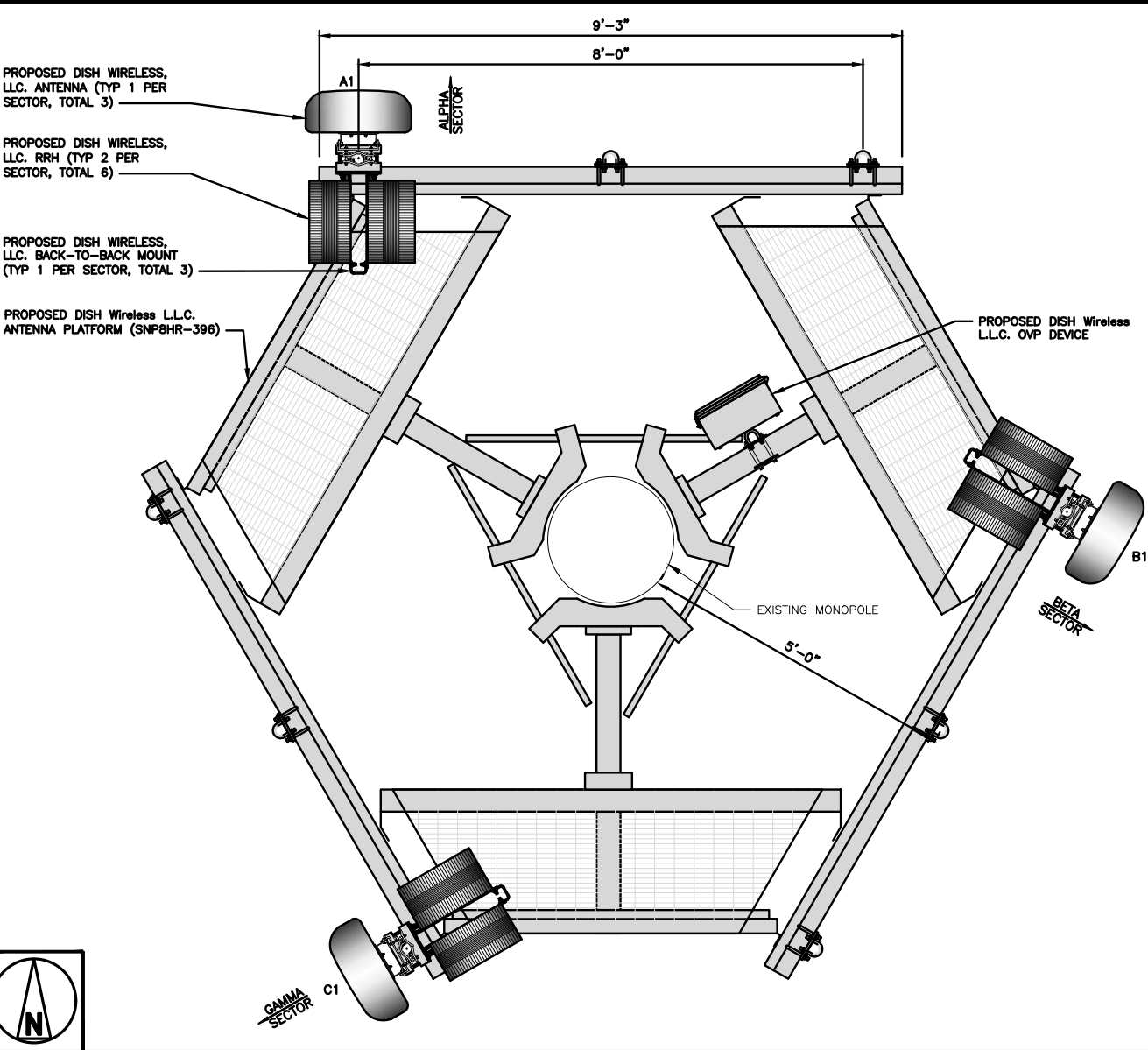
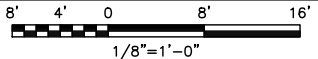
4. INFINIGY HAS NOT EVALUATED THE TOWER STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR IT'S STRUCTURAL INTEGRITY REGARDING PROPOSED LOADINGS. FINAL INSTALLATION SHALL COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSES PERFORMED BY OTHERS.

PER STRUCTURAL ANALYSIS COMPLETED BY GPD ENGINEERING & ARCHITECTURE, DATED APRIL 10, 2023, THE EXISTING TOWER CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

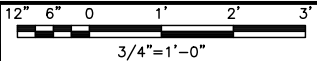
SEE STRUCTURAL MOD PLAN DRAWINGS, COMPLETED BY BST (BLUE SKY TOWERS LLC), DATED APRIL 10, 2023, AT THE END OF THIS DRAWING SET FOR TOWER MODIFICATION SCHEDULE & DETAILS



PROPOSED NORTHWEST ELEVATION



ANTENNA LAYOUT



SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	JMA WIRELESS – MX08FR0665–21	5G	72.0" x 20.0"	0°	80'–0"	(1) HIGH–CAPACITY HYBRID CABLE (140' LONG)
BETA	B1	PROPOSED	JMA WIRELESS – MX08FR0665–21	5G	72.0" x 20.0"	120°	80'–0"	
GAMMA	C1	PROPOSED	JMA WIRELESS – MX08FR0665–21	5G	72.0" x 20.0"	240°	80'–0"	
NOTES								
1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.								
2. ANTENNA OR RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.								
SECTOR	POSITION	RRH		NOTES				
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY					
ALPHA	A1	FUJITSU – TA08025–B604	5G	1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.  2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.				
	A1	FUJITSU – TA08025–B605	5G					
BETA	B1	FUJITSU – TA08025–B604	5G					
	B1	FUJITSU – TA08025–B605	5G					
GAMMA	C1	FUJITSU – TA08025–B604	5G					
	C1	FUJITSU – TA08025–B605	5G					

ANTENNA SCHEDULE

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wireless.

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STATE OF CONNECTICUT

CHRISTOPHER J. WARREN

No. 23544

4/20/23

PROFESSIONAL ENGINEER

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DRAWN BY: CHECKED BY: APPROVED BY:

RCD PT CJW

RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

SUBMITTALS

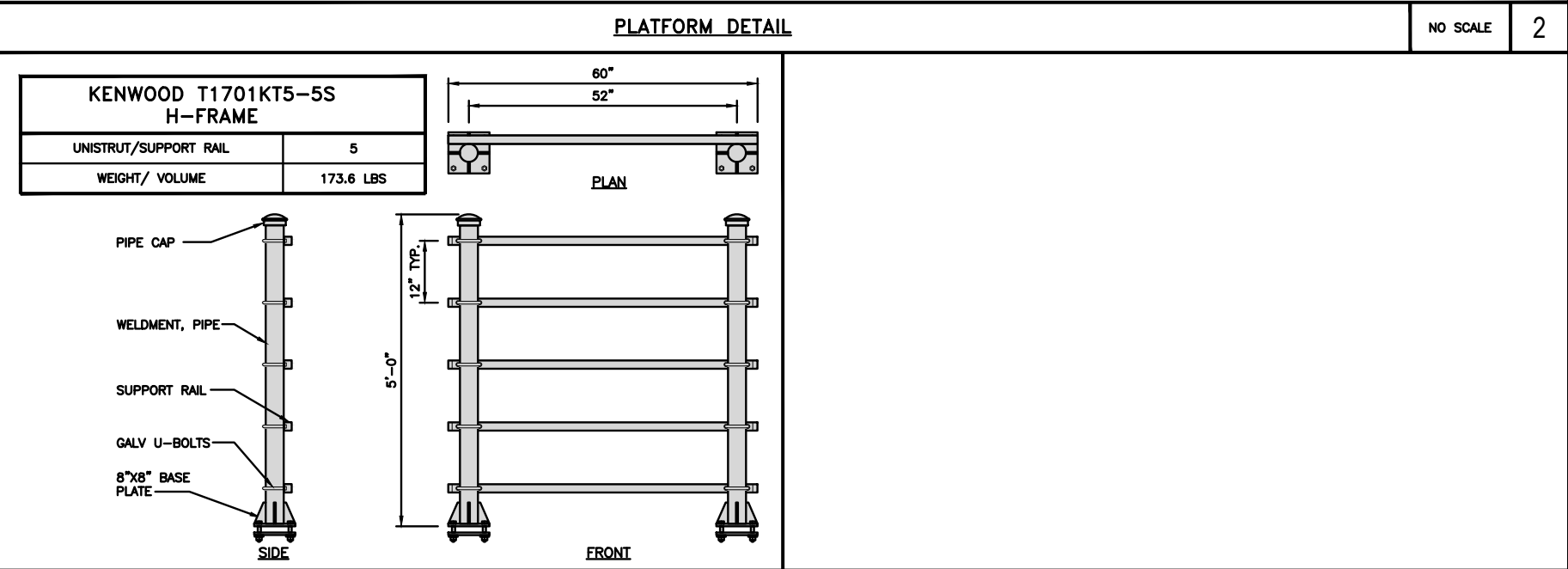
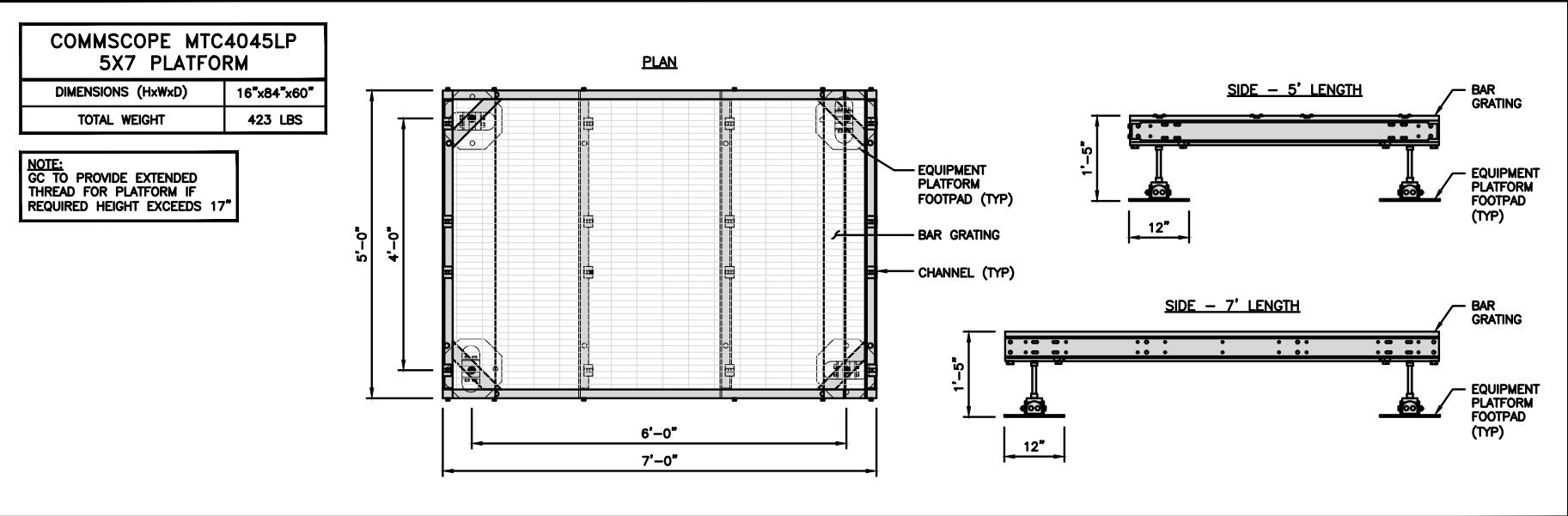
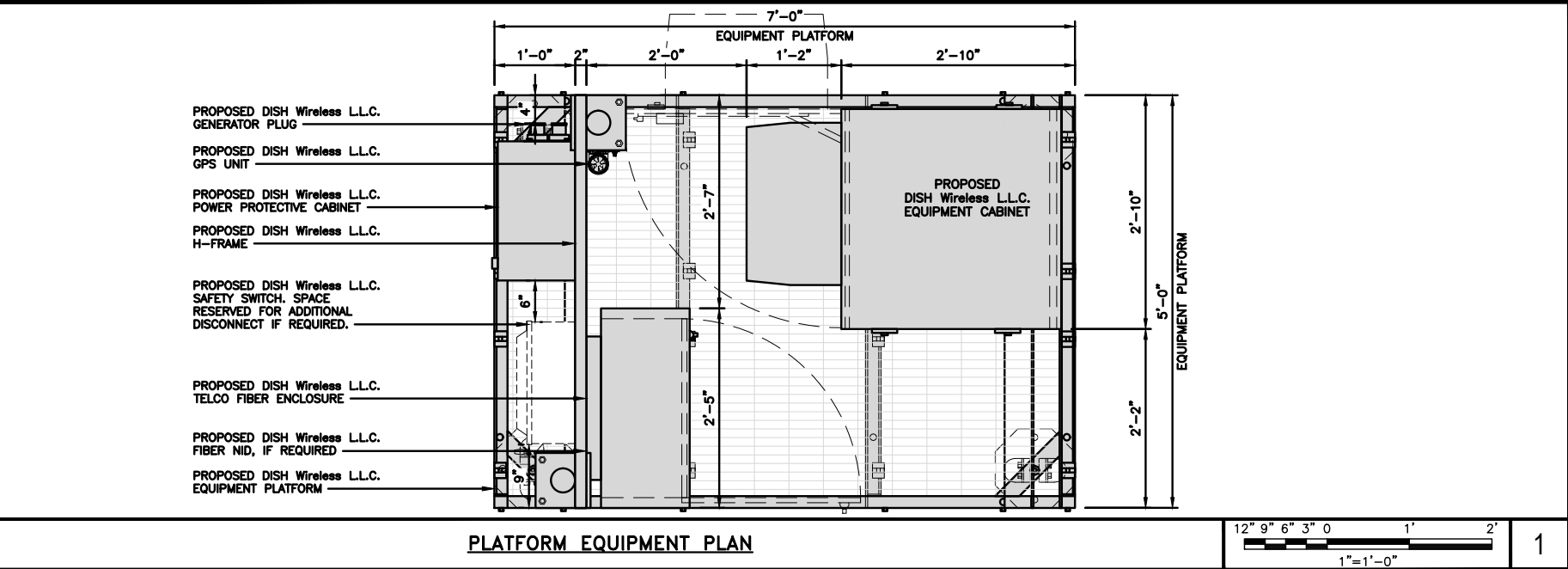
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A&E PROJECT NUMBER  
1197-F0001-C

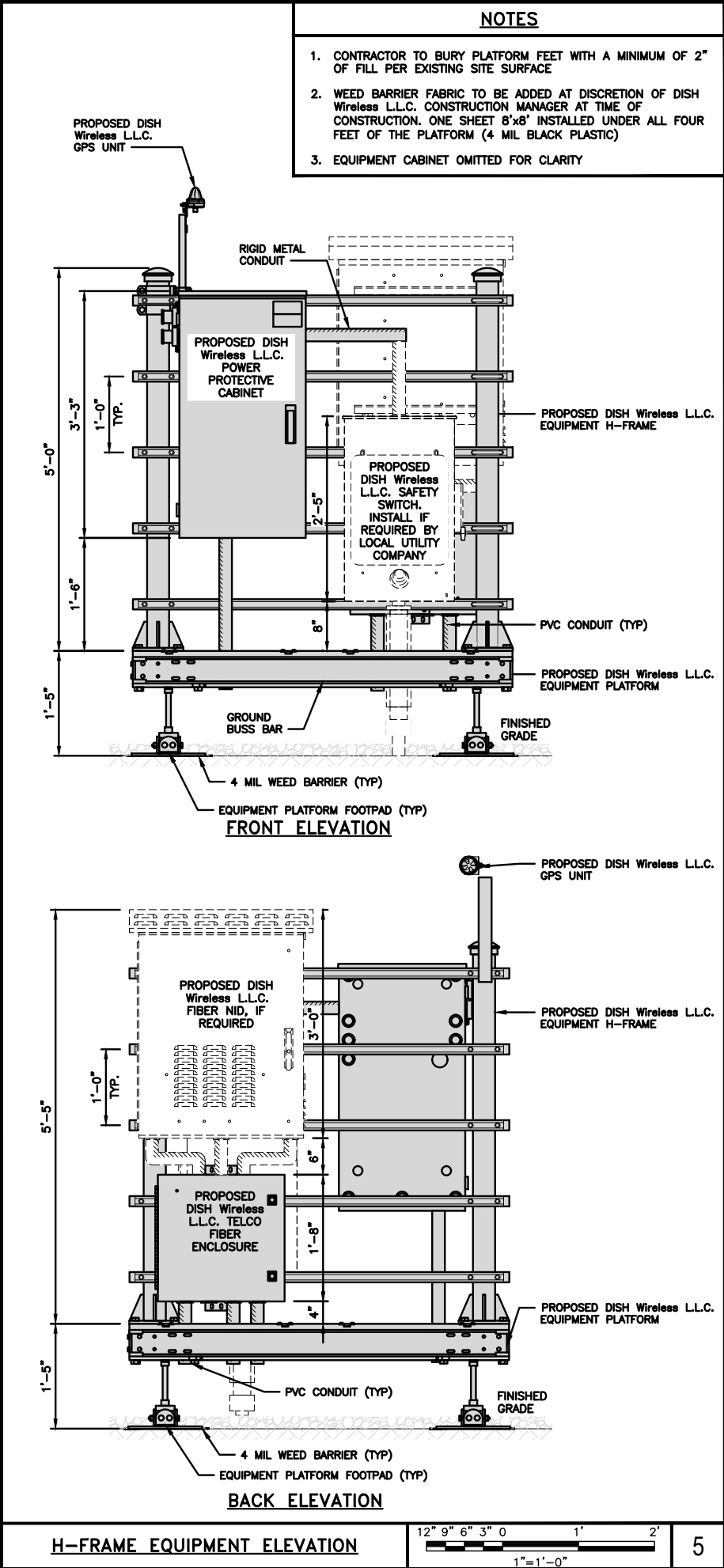
DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
ELEVATION, ANTENNA  
LAYOUT AND SCHEDULE

SHEET NUMBER  
A-2



H-FRAME EQUIPMENT ELEVATION



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RFDS REV #: N/A

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5	04/18/23	ISSUED FOR PERMIT

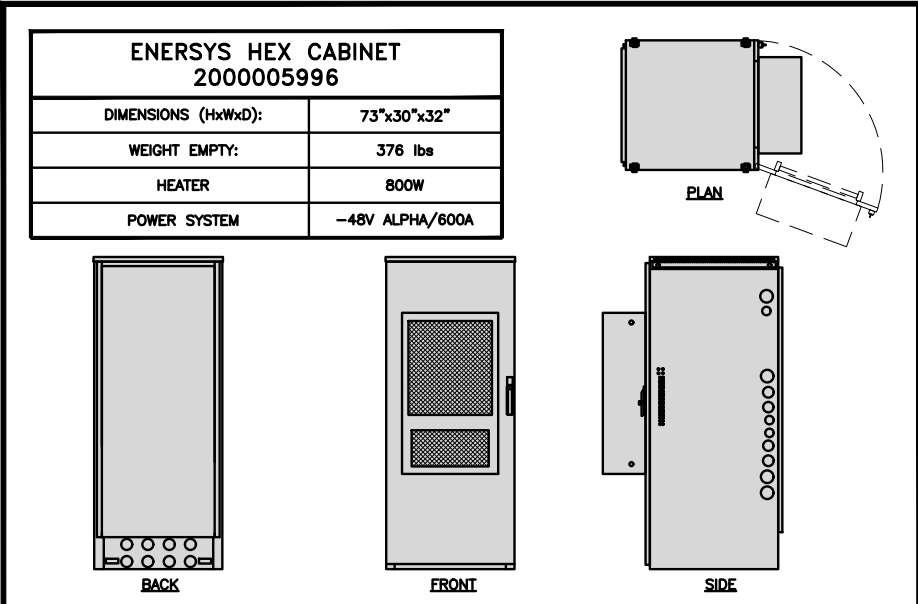
A&E PROJECT NUMBER  
1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
EQUIPMENT PLATFORM AND  
H-FRAME DETAILS

SHEET NUMBER  
A-3

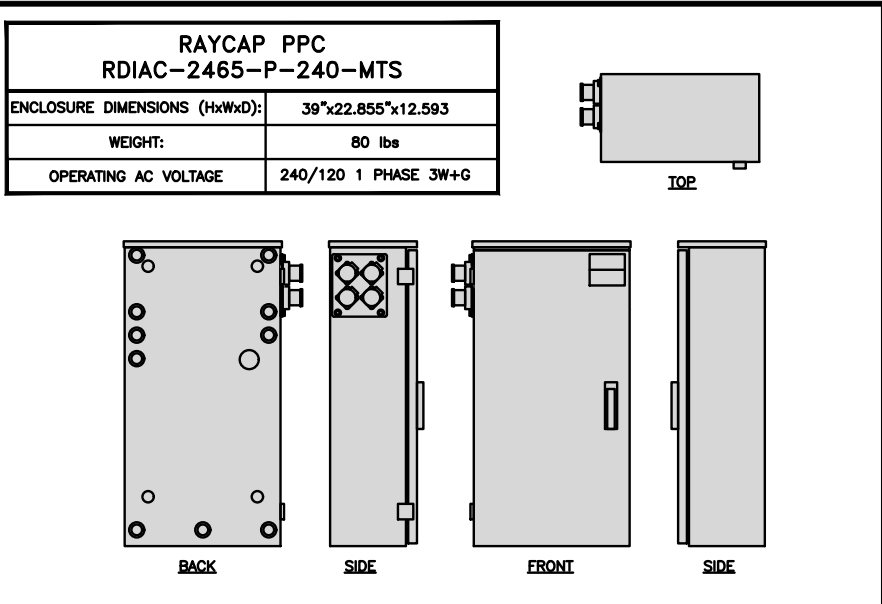




CABINET DETAIL

NO SCALE

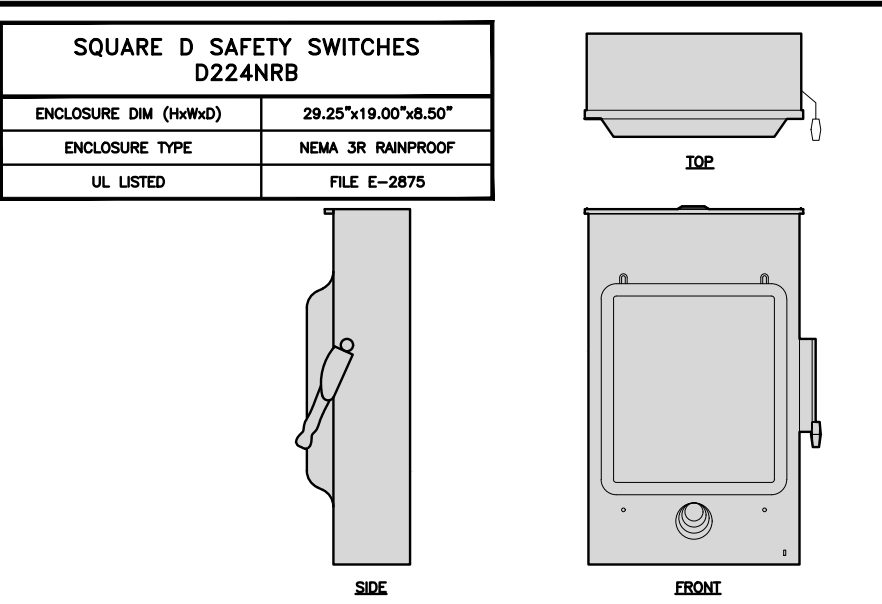
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POWER PROTECTION CABINET (PPC) DETAIL

NO SCALE

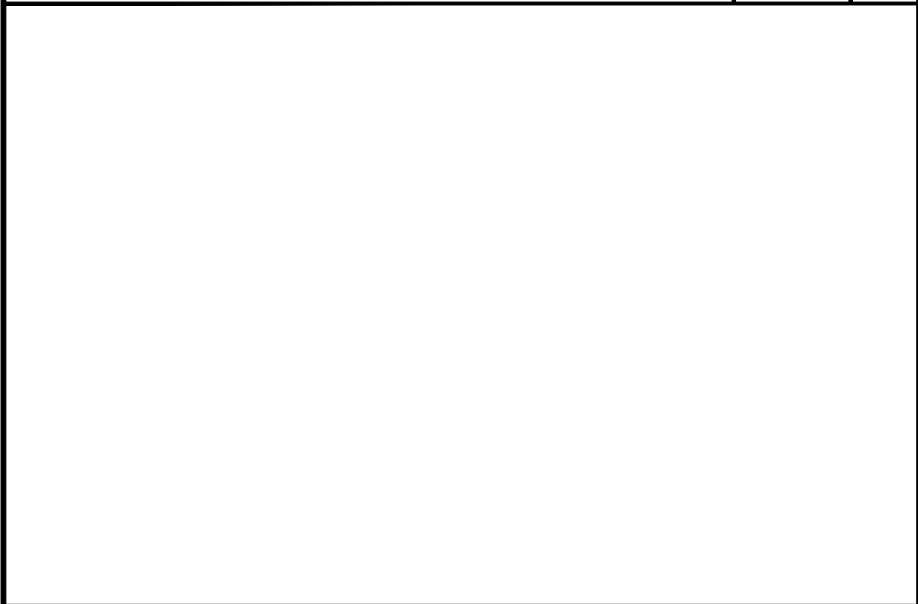
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SAFETY SWITCH DETAIL

NO SCALE

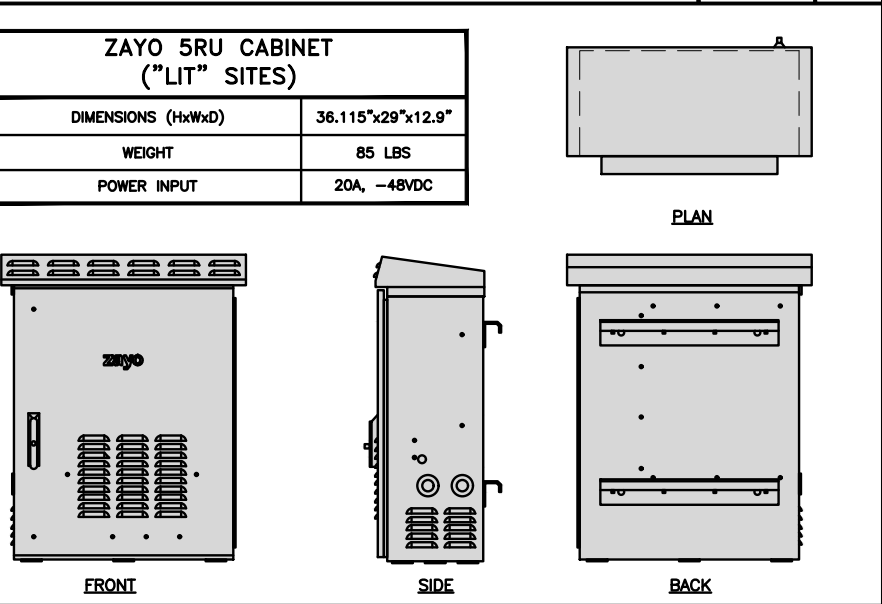
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NOT USED

NO SCALE

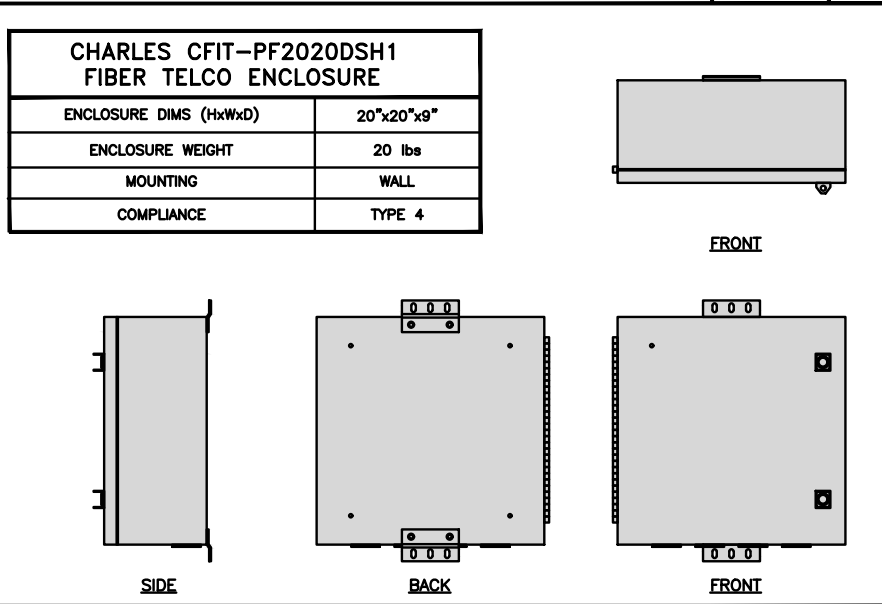
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NETWORK INTERFACE UNIT DETAIL

NO SCALE

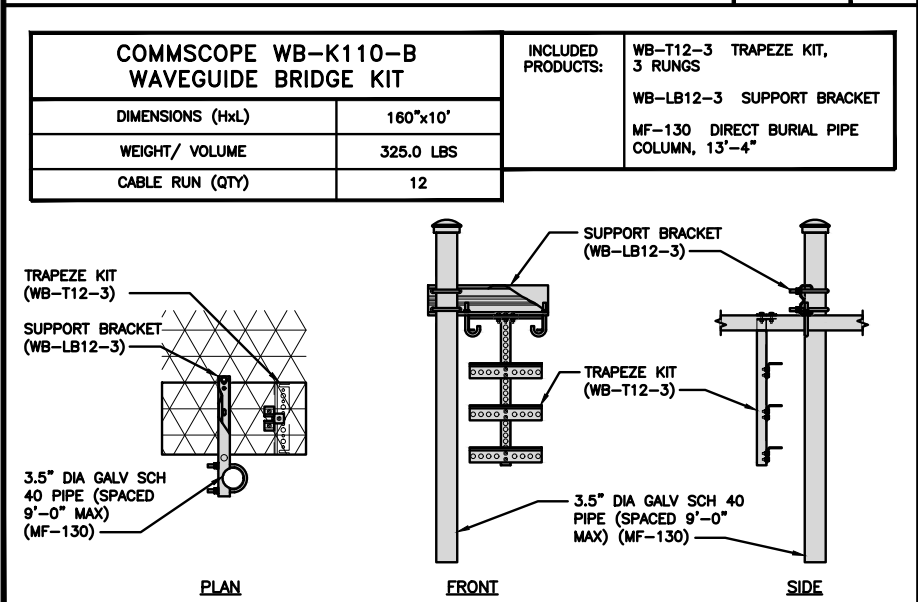
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FIBER TELCO ENCLOSURE DETAIL

NO SCALE

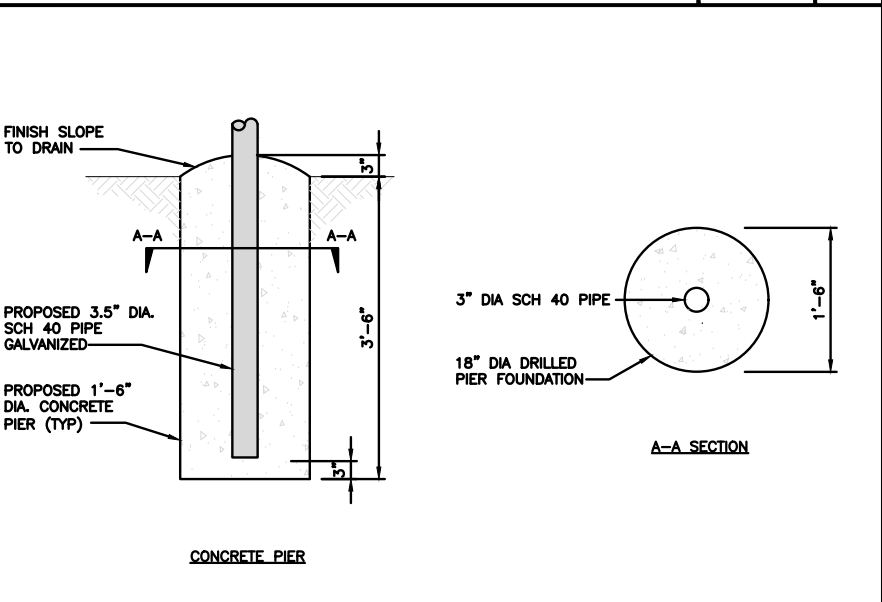
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ICE BRIDGE DETAIL

NO SCALE

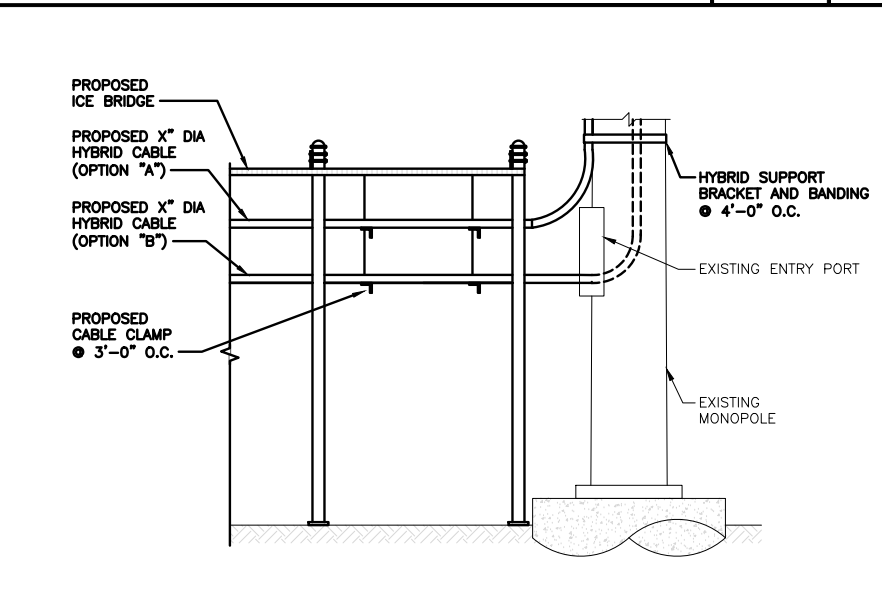
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TYPICAL ICE BRIDGE CONCRETE PIER DETAIL

NO SCALE

8



HYBRID CABLE RUN

NO SCALE

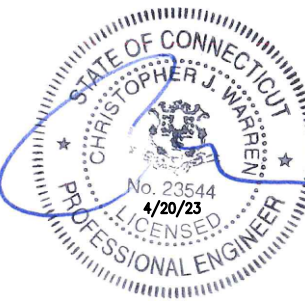
9

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DRAWN BY: CHECKED BY: APPROVED BY:

RCD PT CJW

RFDS REV #: N/A

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A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
EQUIPMENT DETAILS

SHEET NUMBER

A-4

<div>ROSENBERGER GPSGLONASS-36-N-S</div> <table><tr><td>DIMENSION (DIA x H)</td><td>69mm x 98.5mm</td></tr><tr><td>WEIGHT (WITH ACCESSORIES)</td><td>515.74g</td></tr><tr><td>CONNECTOR</td><td>N-FEMALE</td></tr><tr><td>FREQUENCY RANGE</td><td>1559 MHz ~ 1610.5MHz</td></tr></table> <div><div>GPS UNIT GROUNDING KIT MOUNTING BRACKET</div><div>GPS UNIT GROUNDING KIT MOUNTING BRACKET</div></div>			DIMENSION (DIA x H)	69mm x 98.5mm	WEIGHT (WITH ACCESSORIES)	515.74g	CONNECTOR	N-FEMALE	FREQUENCY RANGE	1559 MHz ~ 1610.5MHz	<div>TOP</div> <div>GPS UNIT GROUNDING KIT MOUNTING BRACKET</div> <div>SIDE</div> <div>GPS UNIT GROUNDING KIT MOUNTING BRACKET</div>			<div>MINIMUM OF 75% OR 270° IN ANY DIRECTION</div> <div>GPS</div> <div>GPS UNIT</div> <div>OBSTRUCTIONS MUST BE BELOW 10'</div>			<div>1.75"ø</div> <div>27° MIN BEND RADIUS</div> <div>CU12PSM6P4XXX (4 AWG CONDUCTORS)</div> <div>1.60"ø</div> <div>24° MIN BEND RADIUS</div> <div>CU12PSM9P6XXX (6 AWG CONDUCTORS)</div> <div>1.41"ø</div> <div>22° MIN BEND RADIUS</div> <div>CU12PSM9P8XXX (8 AWG CONDUCTORS)</div>									
DIMENSION (DIA x H)	69mm x 98.5mm																									
WEIGHT (WITH ACCESSORIES)	515.74g																									
CONNECTOR	N-FEMALE																									
FREQUENCY RANGE	1559 MHz ~ 1610.5MHz																									
GPS ANTENNA DETAIL			NO SCALE			1			GPS MINIMUM SKY VIEW REQUIREMENTS			NO SCALE			2			CABLES UNLIMITED HYBRID CABLE MINIMUM BEND RADIUSES			NO SCALE			3		
NOT USED			NO SCALE			4			NOT USED			NO SCALE			5			NOT USED			NO SCALE			6		
NOT USED			NO SCALE			7			NOT USED			NO SCALE			8			NOT USED			NO SCALE			9		



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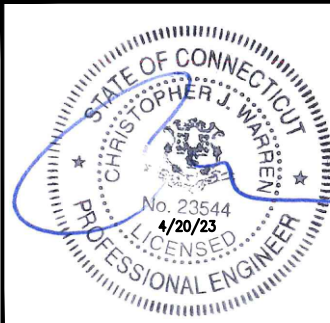


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RFDS REV #: N/A

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1197-F0001-C

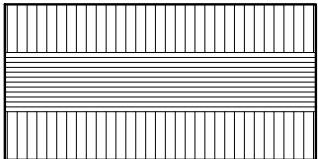
DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
EQUIPMENT DETAILS

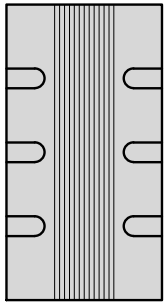
SHEET NUMBER  
A-5

FUJITSU  
TA08025-B604 RRH

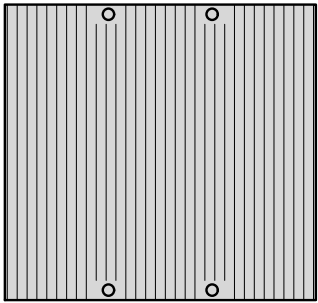
DIMENSIONS (HxWxD) (KG/IN)	380x400x200/14.9"x15.7"x7.8"
WEIGHT(KG,LB)/ VOLUME	29kg,63.9lb/ 30L
POWER SUPPLY	DC-58~-36V



PLAN



SIDE



FRONT

NOTES

FINAL RRH SPECIFICATIONS TO BE CONFIRMED BY GC


REMOTE RADIO HEAD DETAIL

NO SCALE

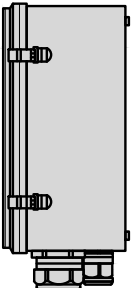
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RAYCAP RDIDC-9181-PF-48  
DC SURGE PROTECTION

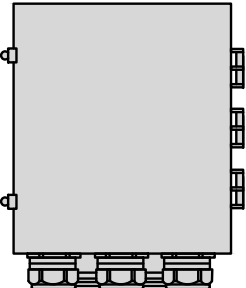
DIMENSIONS (HxWxD)	18.98"x14.39"x8.15"
WEIGHT	21.82 LBS



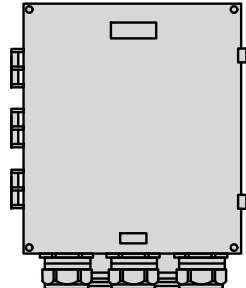
PLAN



SIDE



BACK



FRONT

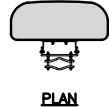
SURGE SUPPRESSION DETAIL

NO SCALE


4

JMA WIRELESS  
MX08FRO665-21 ANTENNA

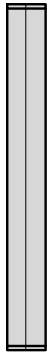
DIMENSIONS (HxWxD)	72.0"x20.0"x8.0"
TOTAL WEIGHT	64.5 LB
RF PORTS, CONNECTOR TYPE	8 x 4.3-10 FEMALE



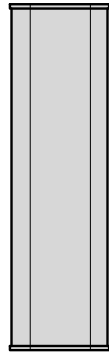
PLAN



BACK



SIDE



FRONT

NOTES

FINAL ANTENNA SPECIFICATIONS TO BE CONFIRMED BY GC

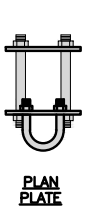
ANTENNA DETAIL

NO SCALE

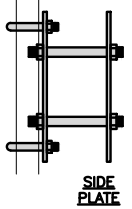
5

COMMSCOPE XP-2040  
CROSSOVER PLATE

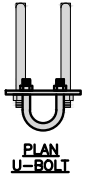
DIMENSIONS (HxW)	10"x12"
WEIGHT	11.023 LBS



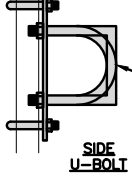
PLAN  
PLATE



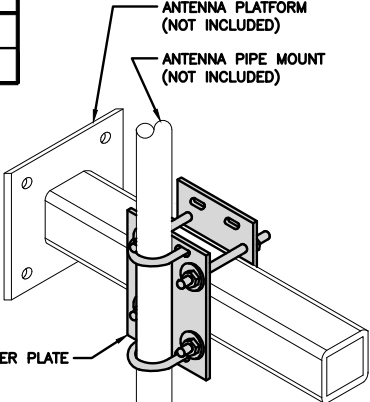
SIDE  
PLATE



PLAN  
U-BOLT



SIDE  
U-BOLT



ANTENNA PLATFORM (NOT INCLUDED)  
ANTENNA PIPE MOUNT (NOT INCLUDED)  
CROSSOVER PLATE  
OPTION OF EITHER SQUARE OR CIRCULAR U-BOLT

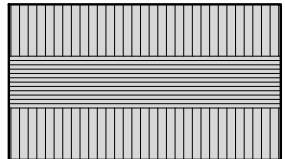
RRH/OVP MOUNT DETAIL

NO SCALE

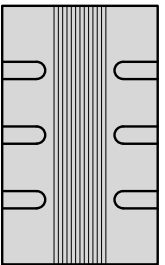
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FUJITSU  
TA08025-B605 RRH

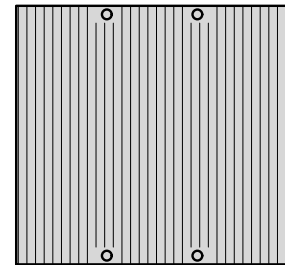
DIMENSIONS (HxWxD) (KG/IN)	380x400x230/14.9"x15.7"x9.0"
WEIGHT(KG,LB)/ VOLUME	34kg,74.9lb/ 35L
POWER SUPPLY	DC-58~-36V



PLAN



SIDE



FRONT

NOTES

FINAL RRH SPECIFICATIONS TO BE CONFIRMED BY GC

REMOTE RADIO HEAD DETAIL

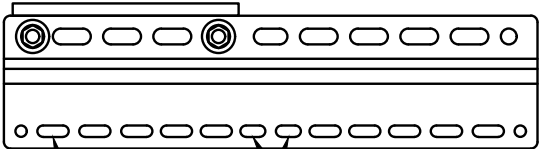
NO SCALE

2


SABRE INDUSTRIES  
RRU BRACKET MOUNT C10123155

DIMENSIONS (HxWxD) (1 BRACKET)	5"x20"x1-13/16"
WEIGHT (FULL ASSEMBLY)	35.79 lbs
PACKAGE QUANTITY	4

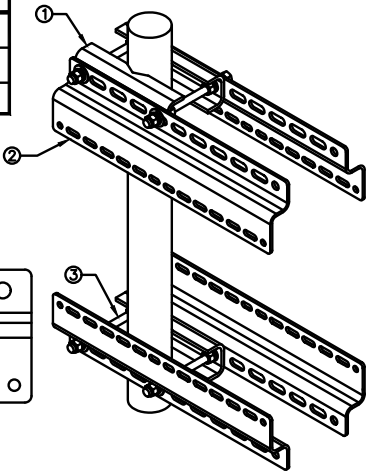
ITEM#	DESCRIPTION
1	PLATE, CHANNEL BRACKET
2	RRH Z BRACKET, 3/16"
3	THREADED ROD ASSEMBLY 1/2"x12"



11MM x 30MM SLOTS  
40MM ON CENTER



11MM x 24MM SLOTS



REMOTE RADIO MOUNT DETAIL

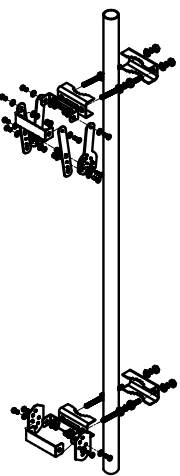
NO SCALE

3

JMA ANTENNA MOUNT BRACKET  
#91900318

TOTAL WEIGHT (WITH BRACKETS)	18 lbs (8.18 Kg)
POLE DIAMETER RANGE	2.5" TO 4.5"

NOTE:  
KIT #91900318: TOP AND BOTTOM BRACKETS FOR 4-, 6-, AND 8-FOOT ANTENNAS  
ANTENNA BRACKET NOT PART OF KIT




NOTE:  
OR DISH Wireless L.L.C.  
APPROVED EQUIVALENT


ANTENNA BRACKET DETAIL

NO SCALE


6



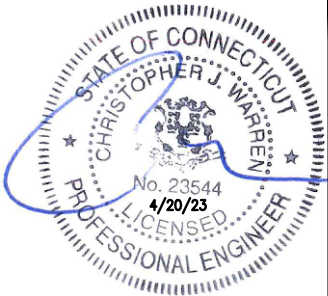
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STATE OF CONNECTICUT  
CHRISTOPHER J. WARREN  
No. 23544  
4/20/23  
LICENSED  
PROFESSIONAL ENGINEER

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RCD	PT	CJW

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CONSTRUCTION DOCUMENTS

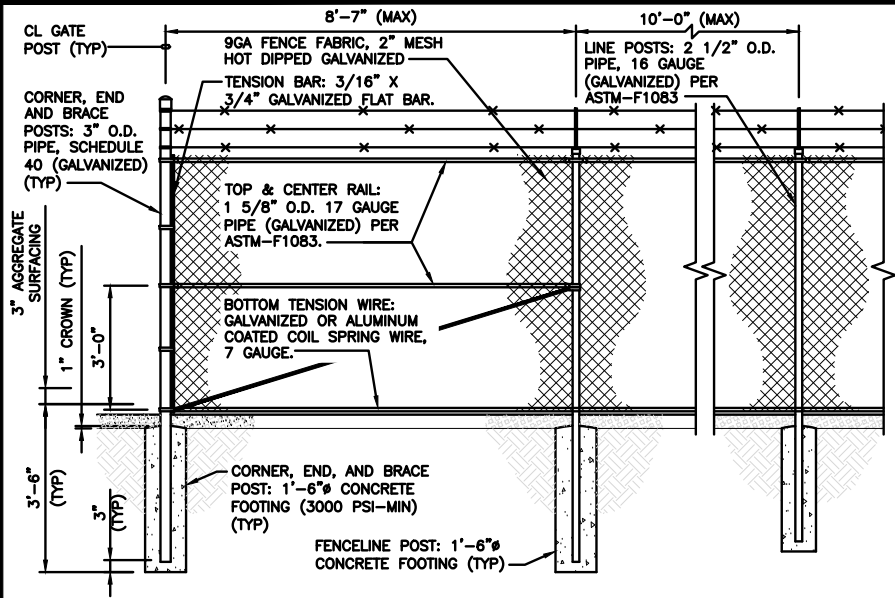
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2	11/29/22	ISSUED FOR PERMIT
3	12/12/22	ISSUED FOR PERMIT
4	02/07/23	ISSUED FOR PERMIT
5	04/18/23	ISSUED FOR PERMIT

A&E PROJECT NUMBER  
1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
EQUIPMENT DETAILS

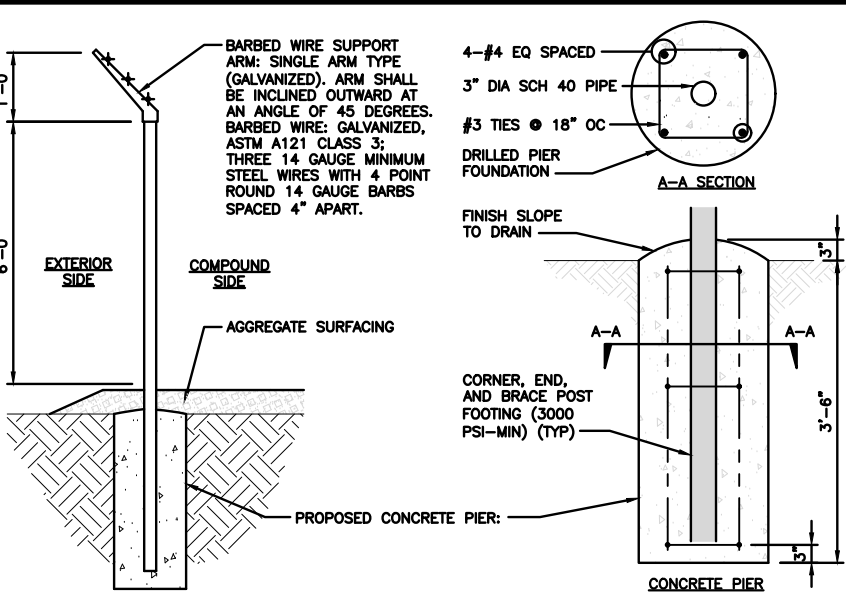
SHEET NUMBER  
A-6



TYPICAL FENCE DETAIL

NO SCALE

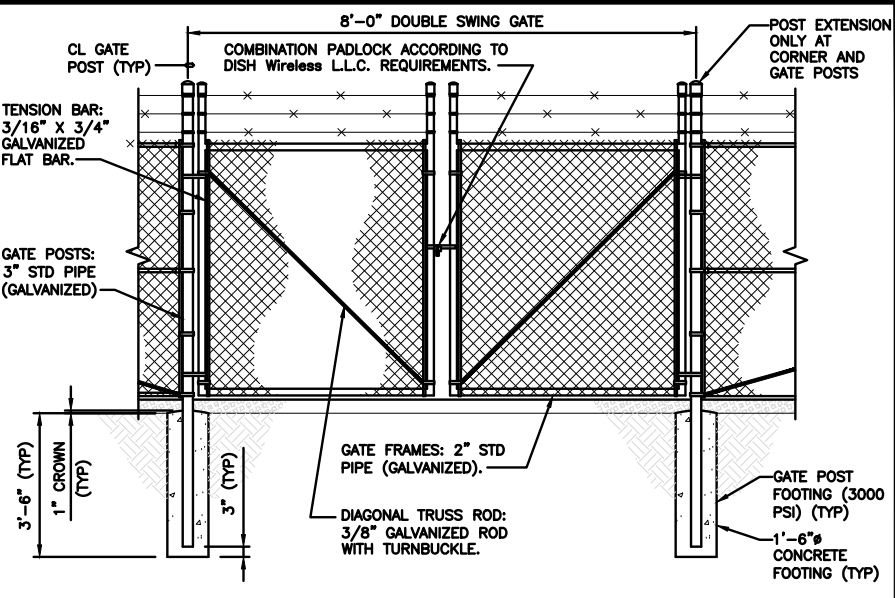
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TYPICAL FENCE & CONCRETE PIER SECTION

NO SCALE

2



TYPICAL GATE ELEVATION DETAIL

NO SCALE

3



NOT USED

NO SCALE

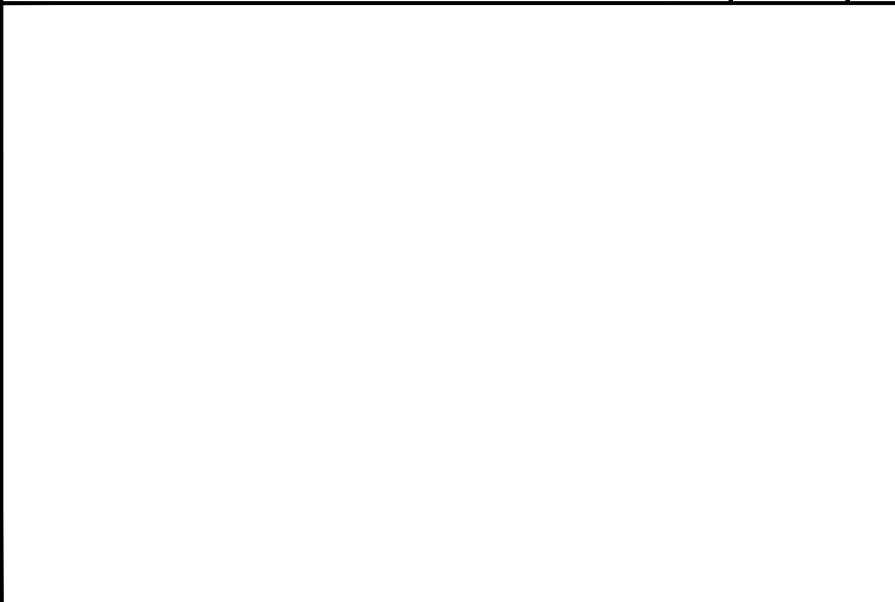
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NOT USED

NO SCALE

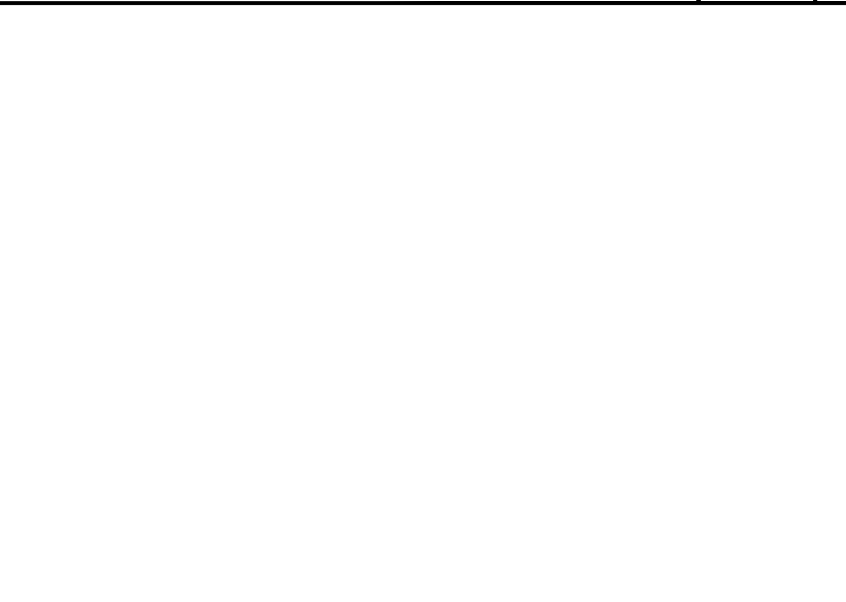
5



NOT USED

NO SCALE

6



NOT USED

NO SCALE

7

- ① LINE POSTS: 2 1/2" STD PIPE (GALVANIZED) PER ASTM-F1083.
- ② CORNER, END AND BRACE POSTS: 3" O.D. PIPE, SCHEDULE 40 (GALVANIZED).
- ③ TOP RAIL: 1 1/2" STD PIPE (GALVANIZED) PER ASTM-F1083.
- ④ BRACE RAIL: 1 1/2" STD PIPE (GALVANIZED).
- ⑤ DIAGONAL TRUSS ROD: 3/8" GALVANIZED ROD WITH TURNBUCKLE.
- ⑥ TENSION BAR: 3/16" X 3/4" GALVANIZED FLAT BAR.
- ⑦ BOTTOM TENSION WIRE: GALVANIZED OR ALUMINUM COATED COIL SPRING WIRE, 7 GAUGE.
- ⑧ GATE POSTS: 3" STD PIPE (GALVANIZED).
- ⑨ COMBINATION PADLOCK ACCORDING TO DISH WIRELESS REQUIREMENTS.
- ⑩ GATE FRAMES: 2" STD PIPE (GALVANIZED).
- ⑪ BARBED WIRE SUPPORT ARM: SINGLE ARM TYPE (GALVANIZED). ARM SHALL BE INCLINED OUTWARD AT AN ANGLE OF 45 DEGREES.
- ⑫ BARBED WIRE: GALVANIZED, ASTM A121 CLASS 3; THREE 14 GAUGE MINIMUM STEEL WIRES WITH 4 POINT ROUND 14 GAUGE BARBS SPACED 4" APART.
- ⑬ 9GA FENCE FABRIC, 2" MESH HOT DIPPED GALVANIZED
- ⑭ MISCELLANEOUS:
- A. RAIL COUPLINGS: SLEEVE TYPE, 6" LONG EXPANSION SPRING EVERY FIFTH COUPLING.
- B. POST TOPS: PRESSED STEEL, MALLEABLE IRON WITH PRESSED STEEL EXTENSION ARM, OR ONE-PIECE ALUMINUM CASTING; WITH HOLE FOR TOP, ALL DESIGNED TO FIT OVER THE OUTSIDE OF THE POSTS AND TO PREVENT ENTRY OF MOISTURE INTO TUBULAR POSTS.
- C. LATCHES SHALL BE FORKED TYPE AND SHALL BE ARRANGED FOR PADLOCKING WITH THE PADLOCK ACCESSIBLE FROM BOTH SIDES OF THE GATE.
- D. KEEPERS SHALL CONSIST OF MECHANICAL DEVICES FOR SECURING AND SUPPORTING THE FREE END OF THE GATES WHEN IN THE FULL OPEN POSITION. KEEPERS SHALL BE MOUNTED ON 2 7/8" O.D. PIPE POSTS FILLED WITH CONCRETE AND SET IN CONCRETE FOUNDATIONS.
- E. INSTALL FENCING PER ASTM-F567.
- F. INSTALL SWING GATES PER ASTM-F900. GATE FRAMES SHALL BE WELDED.
- G. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLETED IF REQUIRED.
- H. USE GALVANIZED HOG RING WIRE TO MOUNT ALL SIGNS.
- I. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE.

MATERIAL DESCRIPTION

NO SCALE

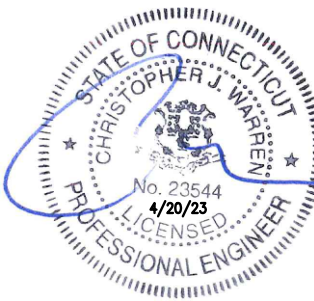
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RFDS REV #: N/A

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DISH Wireless L.L.C.  
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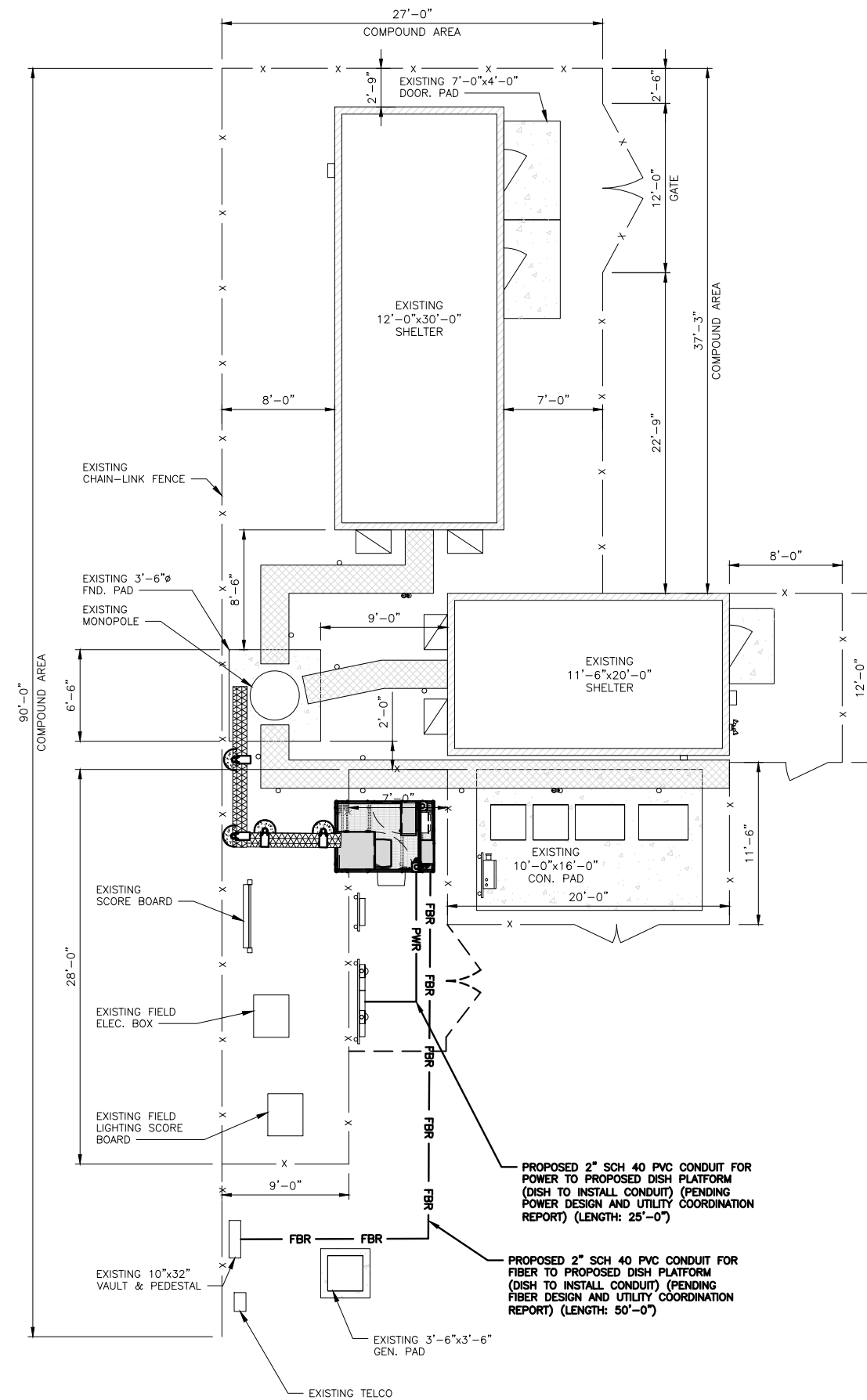
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
FENCE DETAILS

SHEET NUMBER

A-7





## NOTES

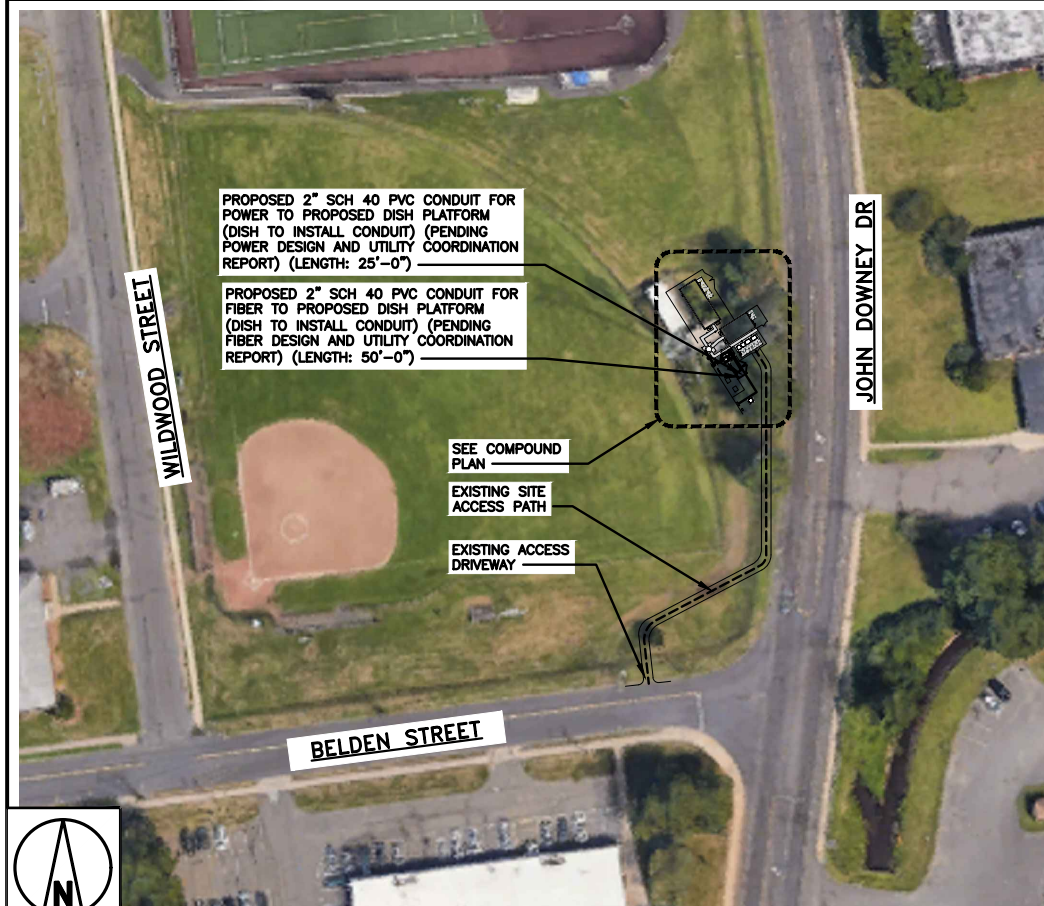
1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.

DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
13. FIBER ROUTE IS PRELIMINARY, FINAL FIBER ROUTE TO BE DETERMINED ONCE UCR (UTILITY COORDINATION REPORT) HAS BEEN FINALIZED.

## ELECTRICAL NOTES

2



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PT

CJW

RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

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A&amp;E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

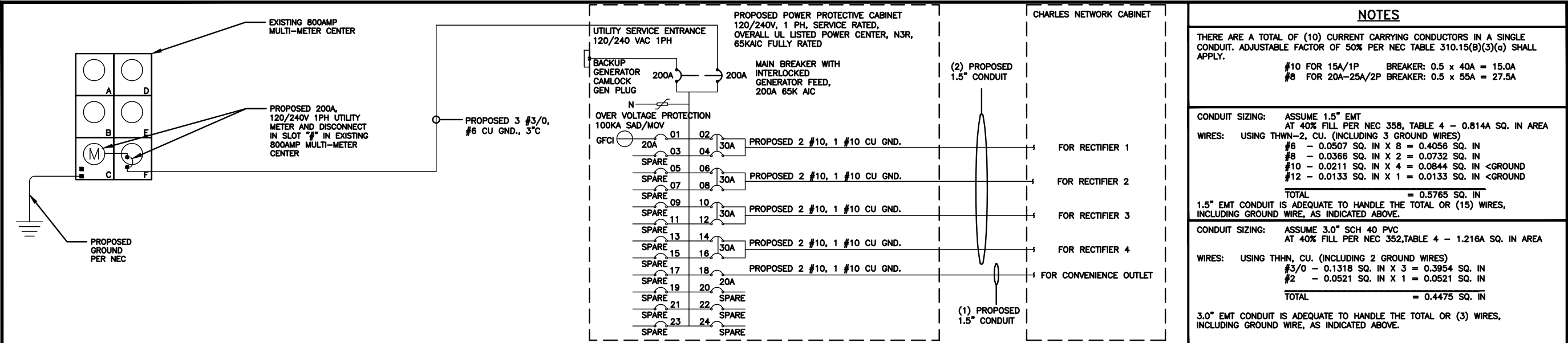
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
ELECTRICAL/FIBER ROUTE  
PLAN AND NOTES

SHEET NUMBER

E-1





(CHARLES ABB GE INFINITY DC PLANT) WITH MULTI-METER CENTER 120V240V 1PH SOURCE

NO SCALE

1

PROPOSED PANEL SCHEDULE										
LOAD SERVED	VOLT AMPS (WATTS)		TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPS (WATTS)		LOAD SERVED
	L1	L2						L1	L2	
-SPARE-				1	A	2		2880		ABB/GE INFINITY RECTIFIER 1
-SPARE-				3	B	4	30A		2880	
-SPARE-				5	A	6		2880		ABB/GE INFINITY RECTIFIER 2
-SPARE-				7	B	8	30A		2880	
-SPARE-				9	A	10		2880		ABB/GE INFINITY RECTIFIER 3
-SPARE-				11	B	12	30A		2880	
-SPARE-				13	A	14		2880		ABB/GE INFINITY RECTIFIER 4
-SPARE-				15	B	16	30A		2880	
-SPARE-				17	A	18	20A	1920		CHARLES GFCI OUTLET
-SPARE-				19	B	20				-SPARE-
-SPARE-				21	A	22				-SPARE-
-SPARE-				23	B	24				-SPARE-
VOLT AMPS								13440	11520	
200A MCB, 1φ, 3W, 120/240V				L1	L2					
MB RATING: 65,000 AIC				13440	11520			VOLT AMPS		
				140	96			AMPS		
				140				MAX AMPS		
				175				MAX 125%		

PANEL SCHEDULE

(CHARLES ABB GE INFINITY DC PLANT) WITH MULTI-METER CENTER 120V240V 1PH SOURCE

NO SCALE

2

NOT USED

NO SCALE

3

NOT USED

NO SCALE

4

NOTES

THERE ARE A TOTAL OF (10) CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT. ADJUSTABLE FACTOR OF 50% PER NEC TABLE 310.15(B)(3)(a) SHALL APPLY.

#10 FOR 15A/1P BREAKER: 0.5 x 40A = 15.0A  
#8 FOR 20A-25A/2P BREAKER: 0.5 x 55A = 27.5A

CONDUIT SIZING: ASSUME 1.5" EMT  
AT 40% FILL PER NEC 358, TABLE 4 - 0.814A SQ. IN AREA  
WIRES: USING THWN-2, CU. (INCLUDING 3 GROUND WIRES)  
#6 - 0.0507 SQ. IN X 8 = 0.4056 SQ. IN  
#8 - 0.0366 SQ. IN X 2 = 0.0732 SQ. IN  
#10 - 0.0211 SQ. IN X 4 = 0.0844 SQ. IN <GROUND  
#12 - 0.0133 SQ. IN X 1 = 0.0133 SQ. IN <GROUND

TOTAL = 0.5765 SQ. IN

1.5" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OR (15) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

CONDUIT SIZING: ASSUME 3.0" SCH 40 PVC  
AT 40% FILL PER NEC 352, TABLE 4 - 1.216A SQ. IN AREA

WIRES: USING THHN, CU. (INCLUDING 2 GROUND WIRES)  
#3/0 - 0.1318 SQ. IN X 3 = 0.3954 SQ. IN  
#2 - 0.0521 SQ. IN X 1 = 0.0521 SQ. IN

TOTAL = 0.4475 SQ. IN

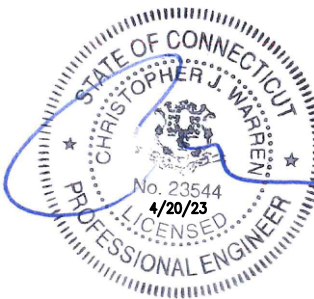
3.0" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OR (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

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RFDS REV #: N/A

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A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
ELECTRICAL ONE-LINE  
& PANEL SCHEDULE









SHEET NUMBER

E-3



### TYPICAL EQUIPMENT GROUNDING PLAN

### TYPICAL ANTENNA GROUNDING PLAN

-  EXOTHERMIC CONNECTION  
 MECHANICAL CONNECTION  
 GROUND BUS BAR  
 GROUND ROD  
 TEST GROUND ROD WITH INSPECTION SLEEVE  
 #6 AWG STRANDED & INSULATED  
 #2 AWG SOLID COPPER TINNED  
 BUSS BAR INSULATOR

### GROUNDING LEGEND

1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
2. CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH Wireless L.L.C. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

### GROUNDING KEY NOTES

- (A) EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- (B) TOWER GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.
- (C) INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR.
- (D) BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.
- (E) GROUND ROD: UL LISTED COPPER CLAD STEEL MINIMUM 5/8" DIAMETER BY 10' LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
- (F) CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- (G) HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- (H) EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.
- (I) TELCO GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- (J) FRAME BONDING: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.
- (K) INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.
- (L) FENCE AND GATE GROUNDING: METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.
- (M) EXTERIOR UNIT BONDS: METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. USING #2 TINNED SOLID COPPER WIRE
- (N) ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING.
- (O) DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR
- (P) TOWER TOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR.
- REFER TO DISH Wireless L.L.C. GROUNDING NOTES.

## GROUNDING KEY NOTES

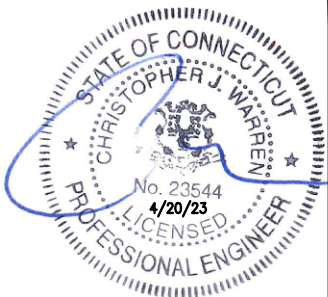


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RFDS REV #: N/A

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PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
GROUNDING PLANS  
AND NOTES

SHEET NUMBER

**G-1**

NO SCALE	1
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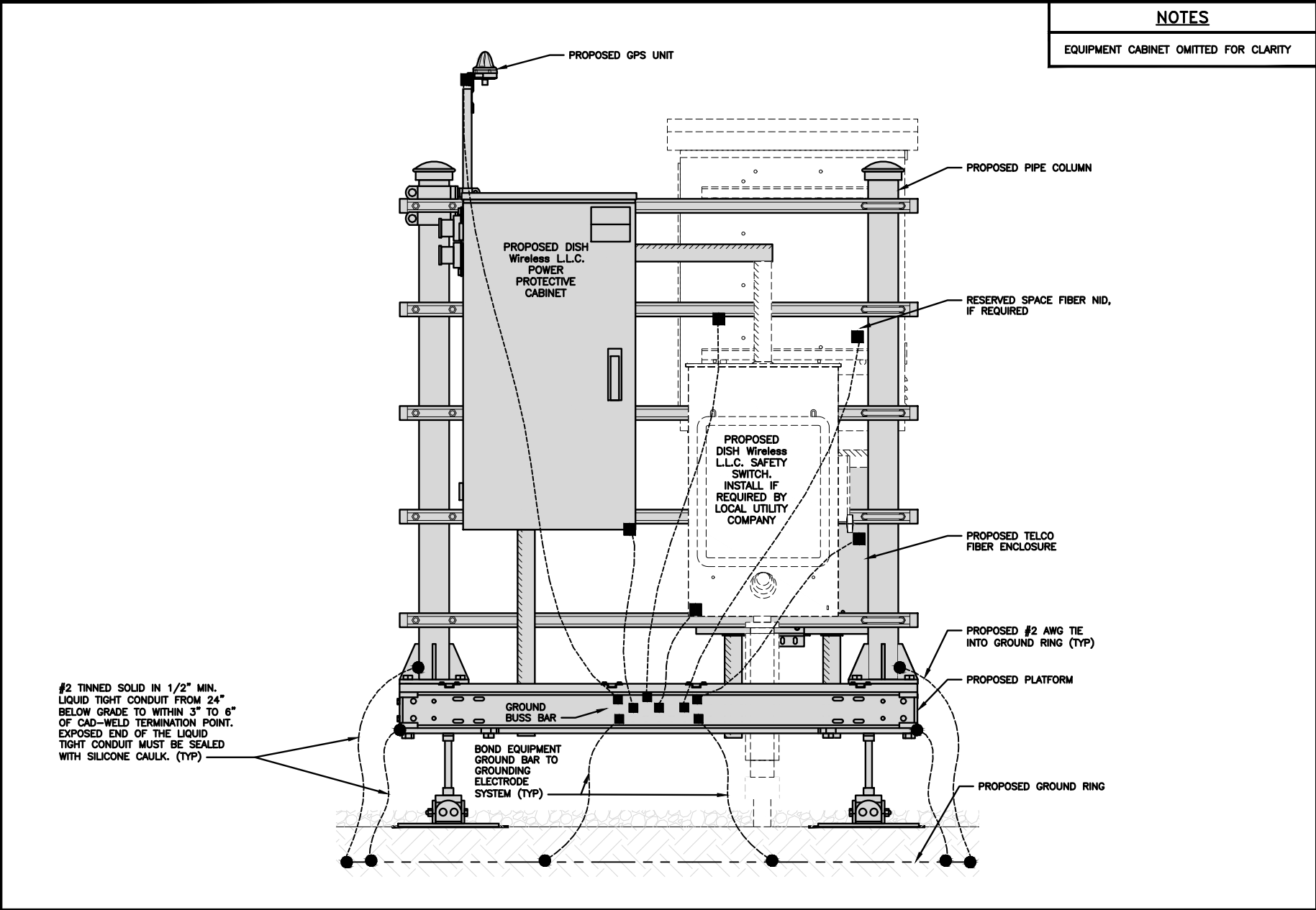
## NOTES

1. ANTENNAS AND OVP SHOWN ARE GENERIC AND NOT REFERENCING TO A SPECIFIC MANUFACTURER. THIS LAYOUT IS FOR REFERENCE ONLY

NO SCALE	2
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NO SCALE	3
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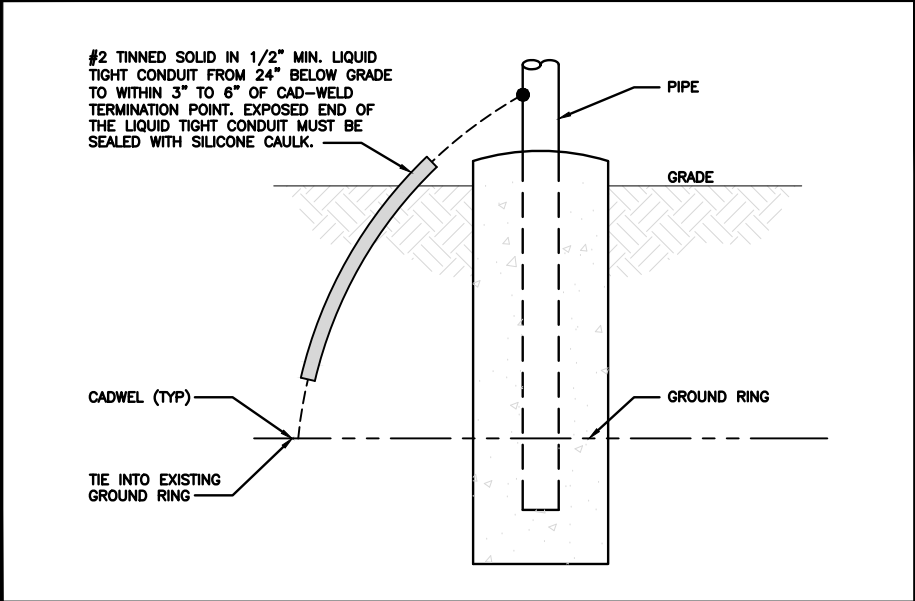




H-FRAME GROUNDING DETAIL

NO SCALE

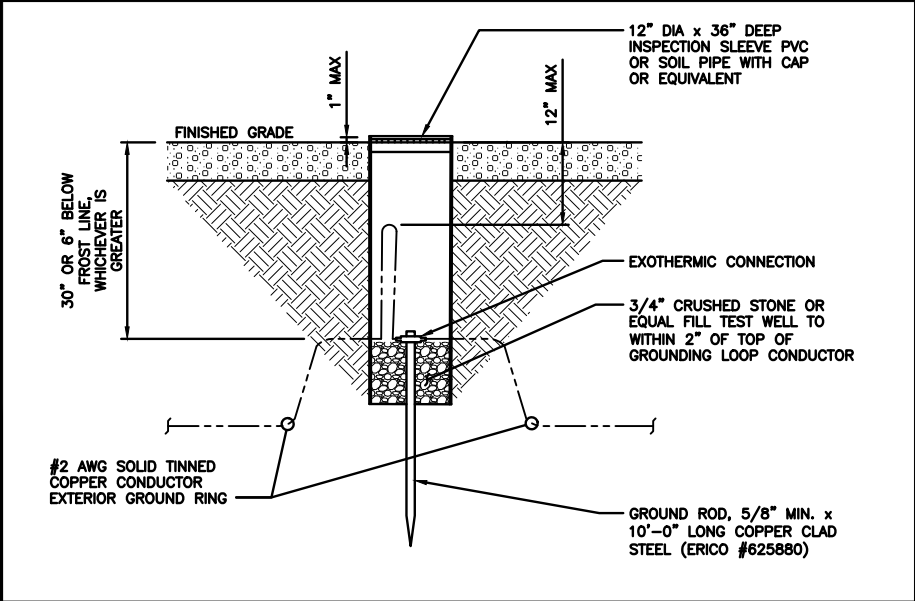
1



TRANSITIONING GROUND DETAIL

NO SCALE

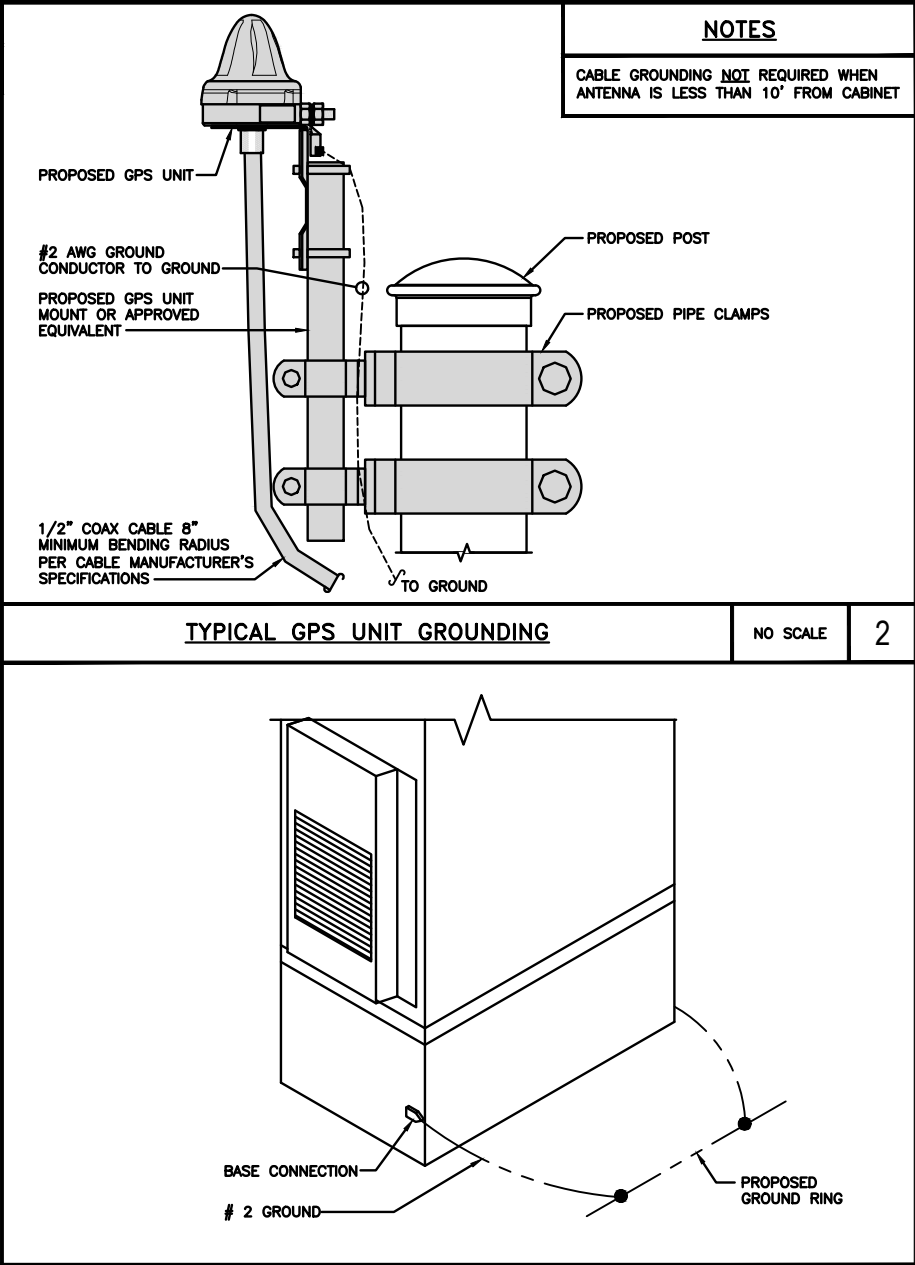
4



TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE

NO SCALE

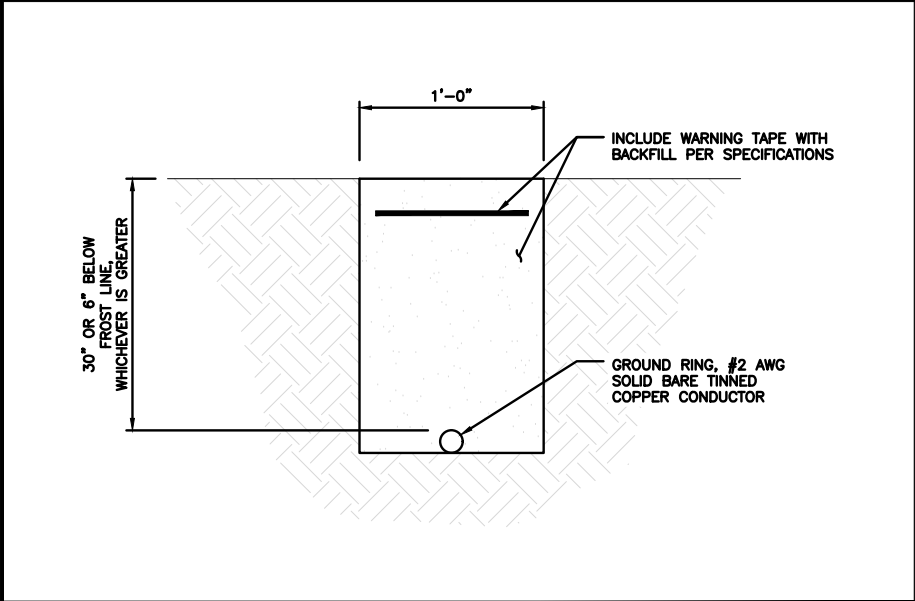
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OUTDOOR CABINET GROUNDING

NO SCALE

3



TYPICAL GROUND RING TRENCH

NO SCALE

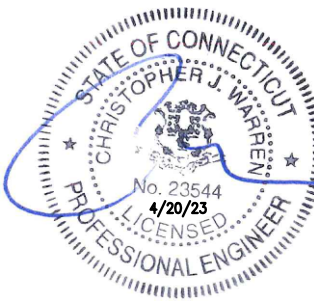
6

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DRAWN BY: CHECKED BY: APPROVED BY:

RCD PT CJW

RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

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REV	DATE	DESCRIPTION
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A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

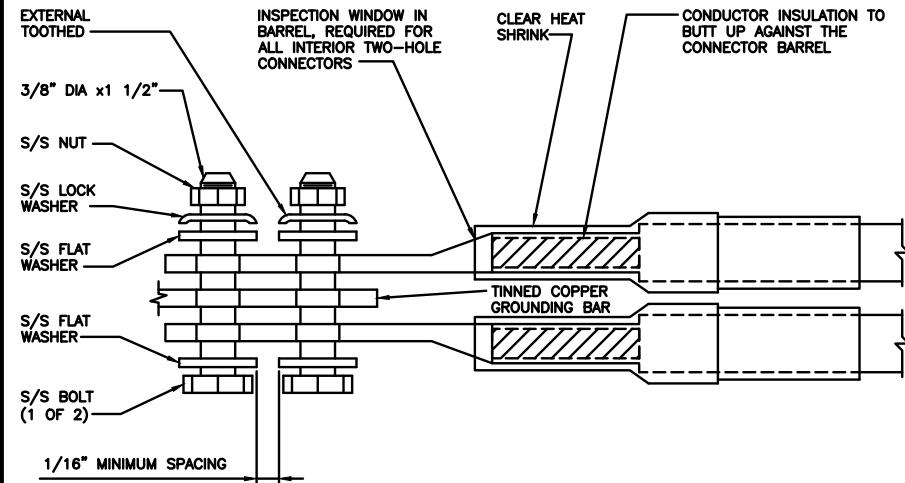
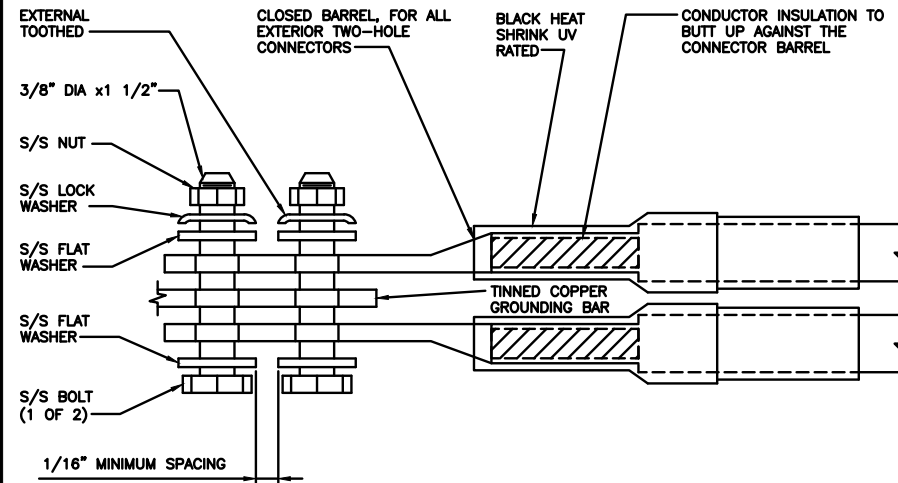
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
GROUNDING DETAILS

SHEET NUMBER

G-2

1. EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR, ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
9. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).



### TYPICAL GROUNDING NOTES

NO SCALE

1

TYPICAL EXTERIOR TWO HOLE LUG

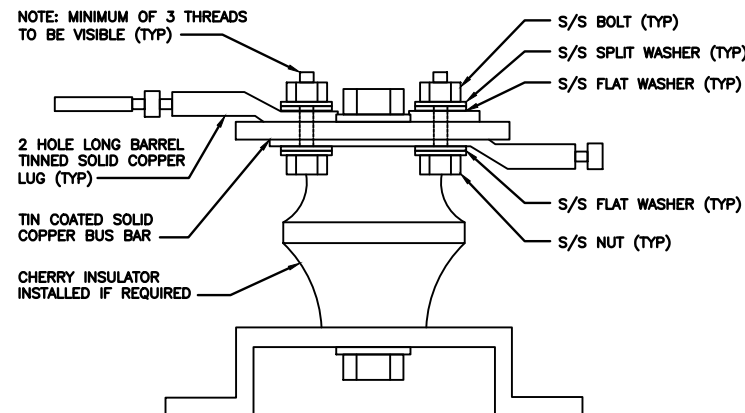
NO SCALE

2

TYPICAL INTERIOR TWO HOLE LUG

NO SCALE

3



LUG DETAIL

NO SCALE

4

NO SCALE

5

NOT USED

NO SCALE

6

NOT USED

NO SCALE

7

NOT USED

NO SCALE

8

NOT USED

NO SCALE

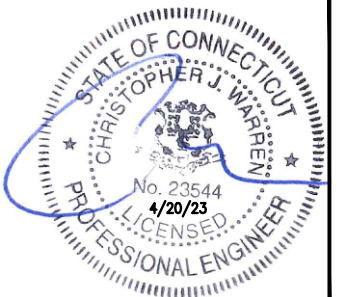
9



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RCD	PT	CJW
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BOBDL00114A  
35 WILDWOOD STREET  
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SHEET TITLE  
GROUNDING DETAILS

SHEET NUMBER

## G-3

RF JUMPER COLOR CODING

3/4" TAPE WIDTHS WITH 3/4" SPACING

LOW-BAND RRH –  
(600MHz N71 BASEBAND) +  
(850MHz N26 BAND) +  
(700MHz N29 BAND) – OPTIONAL PER MARKET

ADD FREQUENCY COLOR TO SECTOR BAND  
(CBRS WILL USE YELLOW BANDS)

ALPHA RRH				BETA RRH				GAMMA RRH			
PORT 1 + SLANT	PORT 2 + SLANT	PORT 3 + SLANT	PORT 4 + SLANT	PORT 1 + SLANT	PORT 2 + SLANT	PORT 3 + SLANT	PORT 4 + SLANT	PORT 1 + SLANT	PORT 2 + SLANT	PORT 3 + SLANT	PORT 4 + SLANT
RED	RED	RED	RED	BLUE	BLUE	BLUE	BLUE	GREEN	GREEN	GREEN	GREEN
ORANGE	ORANGE	RED	RED	ORANGE	ORANGE	BLUE	BLUE	ORANGE	ORANGE	GREEN	GREEN
	WHITE (1) PORT	ORANGE	ORANGE		WHITE (1) PORT	ORANGE	ORANGE		WHITE (1) PORT	ORANGE	ORANGE
			WHITE (1) PORT				WHITE (1) PORT				WHITE (1) PORT

MID-BAND RRH –  
(AWS BANDS N66+N70)

ADD FREQUENCY COLOR TO SECTOR BAND  
(CBRS WILL USE YELLOW BANDS)

RED	RED	RED	RED	BLUE	BLUE	BLUE	BLUE	GREEN	GREEN	GREEN	GREEN
PURPLE	PURPLE	RED	RED	PURPLE	PURPLE	BLUE	BLUE	PURPLE	PURPLE	GREEN	GREEN
	WHITE (1) PORT	PURPLE	PURPLE		WHITE (1) PORT	PURPLE	PURPLE		WHITE (1) PORT	PURPLE	PURPLE
			WHITE (1) PORT				WHITE (1) PORT				WHITE (1) PORT

HYBRID/DISCREET CABLES

INCLUDE SECTOR BANDS BEING SUPPORTED AM  
LONG WITH FREQUENCY BANDS

EXAMPLE 1 – HYBRID, OR DISCREET, SUPPORTS  
ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS

EXAMPLE 2 – HYBRID, OR DISCREET, SUPPORTS  
CBRS ONLY, ALL SECTORS

EXAMPLE 1	EXAMPLE 2
RED	RED
BLUE	BLUE
GREEN	GREEN
ORANGE	YELLOW
PURPLE	

HYBRID/DISCREET CABLES

LOW-BAND RRH FIBER CABLES HAVE SECTOR  
STRIPE ONLY

LOW BAND RRH	HIGH BAND RRH	LOW BAND RRH	LOW BAND RRH	LOW BAND RRH	LOW BAND RRH
RED	RED	BLUE	BLUE	GREEN	GREEN
	PURPLE		PURPLE		PURPLE

POWER CABLES TO RRHs

LOW-BAND RRH POWER CABLES HAVE SECTOR  
STRIPE ONLY

LOW BAND RRH	HIGH BAND RRH	LOW BAND RRH	LOW BAND RRH	LOW BAND RRH	LOW BAND RRH
RED	RED	BLUE	BLUE	GREEN	GREEN
	PURPLE		PURPLE		PURPLE

RET MOTORS AT ANTENNAS

PORT 1/ ANTENNA 1 "IN"	PORT 1/ ANTENNA 1 "IN"	PORT 1/ ANTENNA 1 "IN"
RED	BLUE	GREEN

MICROWAVE RADIO LINKS

LINKS WILL HAVE A 1.5–2 INCH WHITE WRAP WITH  
THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE.  
ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH  
ADDITIONAL MW RADIO.

MICROWAVE CABINETS WILL REQUIRE P-TOUCH  
LABELS INSIDE THE CABINET TO IDENTIFY THE  
LOCAL AND REMOTE SITE ID'S.

PRIMARY	SECONDARY
WHITE	WHITE
RED	RED
WHITE	WHITE
	RED
	WHITE

RF CABLE COLOR CODES

NO SCALE

1

LOW BANDS (N71–N28)  
OPTIONAL – (N29)

ORANGE

AWS  
(N65+N70+H–BLOCK)

PURPLE

CBRS TECH  
(3 GHz)

YELLOW

NEGATIVE SLANT PORT  
ON ANTRRH

WHITE

ALPHA SECTOR

RED

BETA SECTOR

BLUE

GAMMA SECTOR

GREEN

COLOR IDENTIFIER

NO SCALE

2

NOT USED

NO SCALE

3

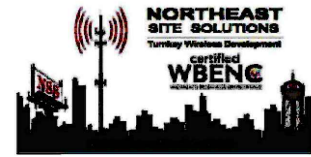
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NO SCALE

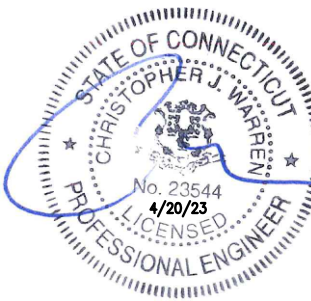
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A&E PROJECT NUMBER

1197–F0001–C

DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE

RF  
CABLE COLOR CODES

SHEET NUMBER

RF-1





SIGN TYPES		
TYPE	COLOR	COLOR CODE PURPOSE
INFORMATION	GREEN	"INFORMATIONAL SIGN" TO NOTIFY OTHERS OF SITE OWNERSHIP & CONTACT NUMBER AND POTENTIAL RF EXPOSURE.
NOTICE	BLUE	"NOTICE BEYOND THIS POINT" RF FIELDS BEYOND THIS POINT MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RF ENVIRONMENTS. IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(b)
CAUTION	YELLOW	"CAUTION BEYOND THIS POINT" RF FIELDS BEYOND THIS POINT MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RF ENVIRONMENTS. IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(b)
WARNING	ORANGE/RED	"WARNING BEYOND THIS POINT" RF FIELDS AT THIS SITE EXCEED FCC RULES FOR HUMAN EXPOSURE. FAILURE TO OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RF ENVIRONMENTS COULD RESULT IN SERIOUS INJURY. IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(b)

**SIGN PLACEMENT:**

- RF SIGNAGE PLACEMENT SHALL FOLLOW THE RECOMMENDATIONS OF AN EXISTING EME REPORT, CREATED BY A THIRD PARTY PREVIOUSLY AUTHORIZED BY DISH Wireless L.L.C.
- INFORMATION SIGN (GREEN) SHALL BE LOCATED ON EXISTING DISH Wireless L.L.C. EQUIPMENT.
  - A) IF THE INFORMATION SIGN IS A STICKER, IT SHALL BE PLACED ON EXISTING DISH Wireless L.L.C. EQUIPMENT CABINET.
  - B) IF THE INFORMATION SIGN IS A METAL SIGN IT SHALL BE PLACED ON EXISTING DISH Wireless L.L.C. H-FRAME WITH A SECURE ATTACH METHOD.
- IF EME REPORT IS NOT AVAILABLE AT THE TIME OF CREATION OF CONSTRUCTION DOCUMENTS; PLEASE CONTACT DISH Wireless L.L.C. CONSTRUCTION MANAGER FOR FURTHER INSTRUCTION ON HOW TO PROCEED.

**NOTES:**

1. FOR DISH Wireless L.L.C. LOGO, SEE DISH Wireless L.L.C. DESIGN SPECIFICATIONS (PROVIDED BY DISH Wireless L.L.C.)
2. SITE ID SHALL BE APPLIED TO SIGNS USING "LASER ENGRAVING" OR ANY OTHER WEATHER RESISTANT METHOD (DISH Wireless L.L.C. APPROVAL REQUIRED)
3. TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER DISH Wireless L.L.C. CONSTRUCTION MANAGER RECOMMENDATIONS.
4. CABINET/SHELTER MOUNTING APPLICATION REQUIRES ANOTHER PLATE APPLIED TO THE FACE OF THE CABINET WITH WATER PROOF POLYURETHANE ADHESIVE
5. ALL SIGNS WILL BE SECURED WITH EITHER STAINLESS STEEL ZIP TIES OR STAINLESS STEEL TECH SCREWS
6. ALL SIGNS TO BE 8.5"x11" AND MADE WITH 0.04" OF ALUMINUM MATERIAL

# INFORMATION

This is an access point to an area with transmitting antennas.

Obey all signs and barriers beyond this point.  
Call the DISH Wireless L.L.C. NOC at 1-866-624-6874

Site ID: \_\_\_\_\_



THIS SIGN IS FOR REFERENCE PURPOSES ONLY

## NOTICE



Transmitting Antenna(s)

Radio frequency fields beyond this point **MAY EXCEED** the FCC Occupational exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

Call the DISH Wireless L.L.C. NOC at 1-866-624-6874 prior to working beyond this point.

Site ID: \_\_\_\_\_

THIS SIGN IS FOR REFERENCE PURPOSES ONLY

## CAUTION



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## WARNING



Transmitting Antenna(s)

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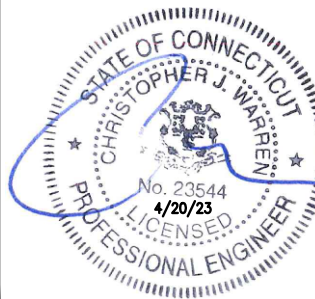
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RFDS REV #: N/A

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A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE

RF  
SIGNAGE

SHEET NUMBER

**GN-2**

SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED – NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH Wireless L.L.C. AND TOWER OWNER NOC & THE DISH Wireless L.L.C. AND TOWER OWNER CONSTRUCTION MANAGER.
2. "LOOK UP" – DISH Wireless L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:  
  
THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH Wireless L.L.C. AND DISH Wireless L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH Wireless L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH DISH Wireless L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH Wireless L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH Wireless L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR 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. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. 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 CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR 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 AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. 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, SUBJECT TO THE APPROVAL OF DISH Wireless L.L.C. AND TOWER OWNER, AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER’S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS 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 AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR 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.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR’S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER’S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. 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.

GENERAL NOTES:

- 1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
  
CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION  
  
CARRIER:DISH Wireless L.L.C.  
  
TOWER OWNER:TOWER OWNER
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR 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. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR’S EXPENSE TO THE SATISFACTION OF DISH Wireless L.L.C. AND TOWER OWNER
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER’S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

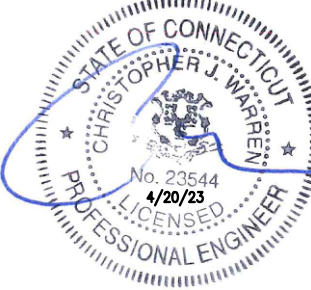


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DRAWN BY:	CHECKED BY:	APPROVED BY:
RCD	PT	CJW

RFDS REV #: N/A

CONSTRUCTION DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
1	10/25/21	ISSUED FOR PERMIT
2	11/29/22	ISSUED FOR PERMIT
3	12/12/22	ISSUED FOR PERMIT
4	02/07/23	ISSUED FOR PERMIT
5	04/16/23	ISSUED FOR PERMIT

A&E PROJECT NUMBER  
1197–F0001–C

DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
GENERAL NOTES

SHEET NUMBER  
GN-3





GROUNDING NOTES:

1. 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.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR 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 AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. 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.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING 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 CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4” NON–METALLIC, FLEXIBLE CONDUIT FROM 24” BELOW GRADE TO WITHIN 3” TO 6” OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120

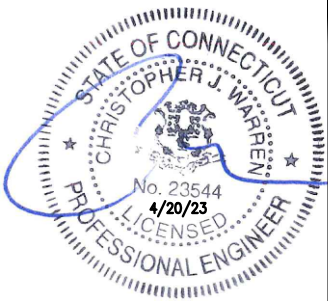


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RFDS REV #: N/A

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A&E PROJECT NUMBER  
1197–F0001–C

DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
GENERAL NOTES

SHEET NUMBER  
GN-5



# Exhibit C

## **Amendment**

This instrument prepared by  
and after recording, return to:

SRR Towers, LLC  
57 East Washington Street  
Chagrin Falls, Ohio 44022

**FOURTH AMENDMENT TO LIGHT STANCHION LEASE AGREEMENT AND  
MEMORANDUM OF LEASE  
(CT-1341 NEW BRITAIN WILDWOOD STREET)**

This FOURTH AMENDMENT TO LIGHT STANCHION LEASE AGREEMENT AND MEMORANDUM OF LEASE (this "Fourth Amendment") is made effective as of March 16, 2023 (the "Effective Date") by and between the City of New Britain, a Connecticut municipality ("Landlord"), having an address at 27 West Main Street, New Britain, Connecticut 06051, and SRR Towers, LLC, a Delaware limited liability company ("Tenant"), having an address at 57 East Washington Street, Chagrin Falls, Ohio 44022.

**BACKGROUND RECITALS**

A. Landlord and Tenant (as successor in interest to New Cingular Wireless PCS, LLC, a Delaware limited liability company) are the parties to a Light Stanchion Lease Agreement dated February 8, 2005 (the "Original Lease"), as amended by a First Amendment to Light Stanchion Lease Agreement dated April 29, 2013 (the "First Amendment"), a Second Amendment to Light Stanchion Lease Agreement dated August 26, 2019 (the "Second Amendment") and a Third Amendment to Light Stanchion Lease Agreement and Memorandum of Lease dated March 2, 2022 (the "Third Amendment," and together with the Original Lease, First Amendment and Second Amendment, the "Lease") entered into for the purpose of leasing land and granting easements to Tenant for the installation, construction, maintenance, operation, repair, replacement and upgrade of a communications facility and other improvements on a portion of Landlord's real property located at 35 Wildwood Street, New Britain, Connecticut 06051, which Landlord's real property is more particularly described on Exhibit A attached hereto.

B. The Third Amendment was recorded with the Town Clerk, City of New Britain, Connecticut on March 17, 2022 at Book 2121, Pages 1028-1033.

C. Pursuant to the Third Amendment, Landlord and Tenant agreed to amend the Lease to (i) increase the size of the Leased Property by approximately 35 square feet of ground space as more particularly depicted on Exhibit B attached to the Third Amendment (the "New Premises Area") to accommodate Tenant's needs or the needs of Tenant's subtenant, DISH Wireless L.L.C. ("DISH") so that DISH may collocate on the tower (the "DISH Collocation"); and (ii) adjust the rent in conjunction therewith.

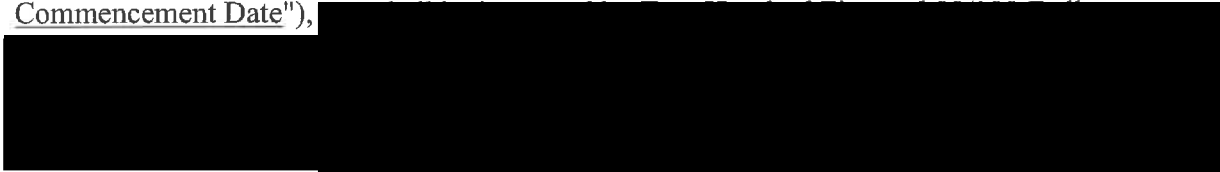
D. Landlord and Tenant now wish to amend the location of the New Premises Area as the area depicted on Exhibit B attached to the Third Amendment is not available.

#### OPERATIVE PROVISIONS

NOW, THEREFORE, for and in consideration of the sum of Ten and 00/100 Dollars (\$10.00), the mutual covenants and conditions contained herein, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. New Premises Area; DISH Collocation. Exhibit B attached to the Third Amendment is hereby deleted and replaced with the attached Exhibit B-1. Upon execution of this Fourth Amendment, Landlord leases to Tenant the New Premises Area shown on the attached Exhibit B-1. Landlord's execution of this Fourth Amendment will signify Landlord's approval of Exhibit B-1 and the DISH Collocation. The new Leased Property under the Lease (i.e., Tenant's total leased area) will equal (i) the Leased Property under the Lease prior to this Fourth Amendment and (ii) the New Premises Area shown on the attached Exhibit B-1.

2. Rent. Commencing the first day of the month following commencement of installation with the New Premises Area shown on the attached Exhibit B-1 (the "Increase Commencement Date"),



3. Other; Removal of Equipment. Landlord authorizes Tenant or DISH to prepare, execute and file all required applications to obtain any government approvals for use of the New Premises Area shown on the attached Exhibit B-1 under the Lease and agrees, at Tenant's or DISH's request, to reasonably assist Tenant or DISH, in its capacity as landlord, with such applications and with obtaining and maintaining the government approvals. No approval or authorization provided under the Lease or this Fourth Amendment shall constitute a governmental approval for use or improvement of the New Premises Area shown on the attached Exhibit B-1. Within one hundred twenty (120) days following the expiration, cancellation or termination of the Lease, Tenant shall remove, or cause DISH to remove, the equipment from the New Premises Area shown on the attached Exhibit B-1, provided that any portions of the equipment that are not removed within such period shall become the property of Landlord, in their as-is condition without any warranty or representation of any kind, and without any payment to Tenant or DISH. Tenant shall restore, or cause DISH to, restore the New Premises

Area shown on the attached Exhibit B-1 to its condition as of the Effective Date, reasonable wear and tear and loss by casualty or other causes beyond Tenant's control excepted.

4. Recording. Landlord and Tenant agree that Tenant may record this Fourth Amendment in the office of the Town Clerk, City of New Britain, Connecticut.

5. No Other Changes. In the event of any conflicts between the Lease and this Fourth Amendment, the terms of this Fourth Amendment shall control. Except as expressly set forth in this Fourth Amendment, the Lease otherwise is unmodified and remains in full force and effect. Each reference in the Lease to itself shall be deemed also to refer to this Fourth Amendment. The rights granted to Tenant herein are in addition to and not intended to limit any rights of Tenant in the Lease. Unless otherwise specified herein or unless the context requires otherwise, the terms in the Lease shall apply to the New Premises Area shown on the attached Exhibit B-1.

6. Counterparts. This Fourth Amendment may be executed in counterparts, each of which will be deemed an original, but all of which together will constitute but one and the same instrument.

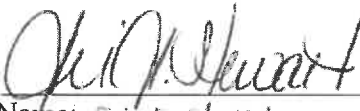
7. Defined Terms. Capitalized terms not defined in this Fourth Amendment have the meanings assigned to them in the Lease.

[Signatures start on the following page]

IN WITNESS WHEREOF, the parties hereto have caused this Fourth Amendment to be duly executed as of the Effective Date.

LANDLORD:

City of New Britain,  
a Connecticut municipality

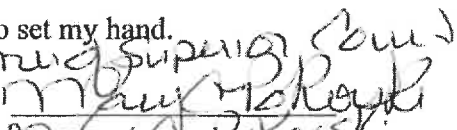
By:   
Name: Erin E. Stewart  
Title: Mayor

State of Connecticut

County of Hartford New Britain ss.

On this the 16<sup>th</sup> day of March, 2023, before me Mary C. Pokorski, the undersigned officer, personally appeared Erin E. Stewart, who acknowledged himself/herself to be the Mayor, of the City of New Britain, a Connecticut municipality, and that he/she as such Mayor, being authorized to do so executed the foregoing instrument for the purposes therein contained, by signing the name of the municipality by himself/herself as Mayor.

In witness whereof I hereunto set my hand.

Commissioned Superior Court  
Signature of Notary Public:   
Name: Mary C. Pokorski  
Title: Assistant Corporation Counsel

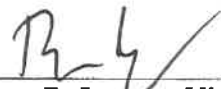
~~Date Commission Expires~~ \_\_\_\_\_

[Signatures continued on the following page]

[Signatures continued from the previous page]

TENANT:

SRR Towers, LLC,  
a Delaware limited liability company

By:   
Ryan D. Lepene, Vice President

STATE OF OHIO                   )  
  )  
COUNTY OF CUYAHOGA        )

This instrument was acknowledged before me this 17<sup>th</sup> day of March, 2023 by  
Ryan D. Lepene, the Vice President of SRR Towers, LLC, a Delaware limited liability company,  
on behalf of the limited liability company.

(Seal)

  
NOTARY PUBLIC, State of Ohio  
Name: Scott Ruebensaal  
My commission expires: No expiration



SCOTT D. RUEBENSAAL  
Attorney At Law  
Notary Public, State of Ohio  
My commission has no expiration date  
Sec. 147.03 R.C.

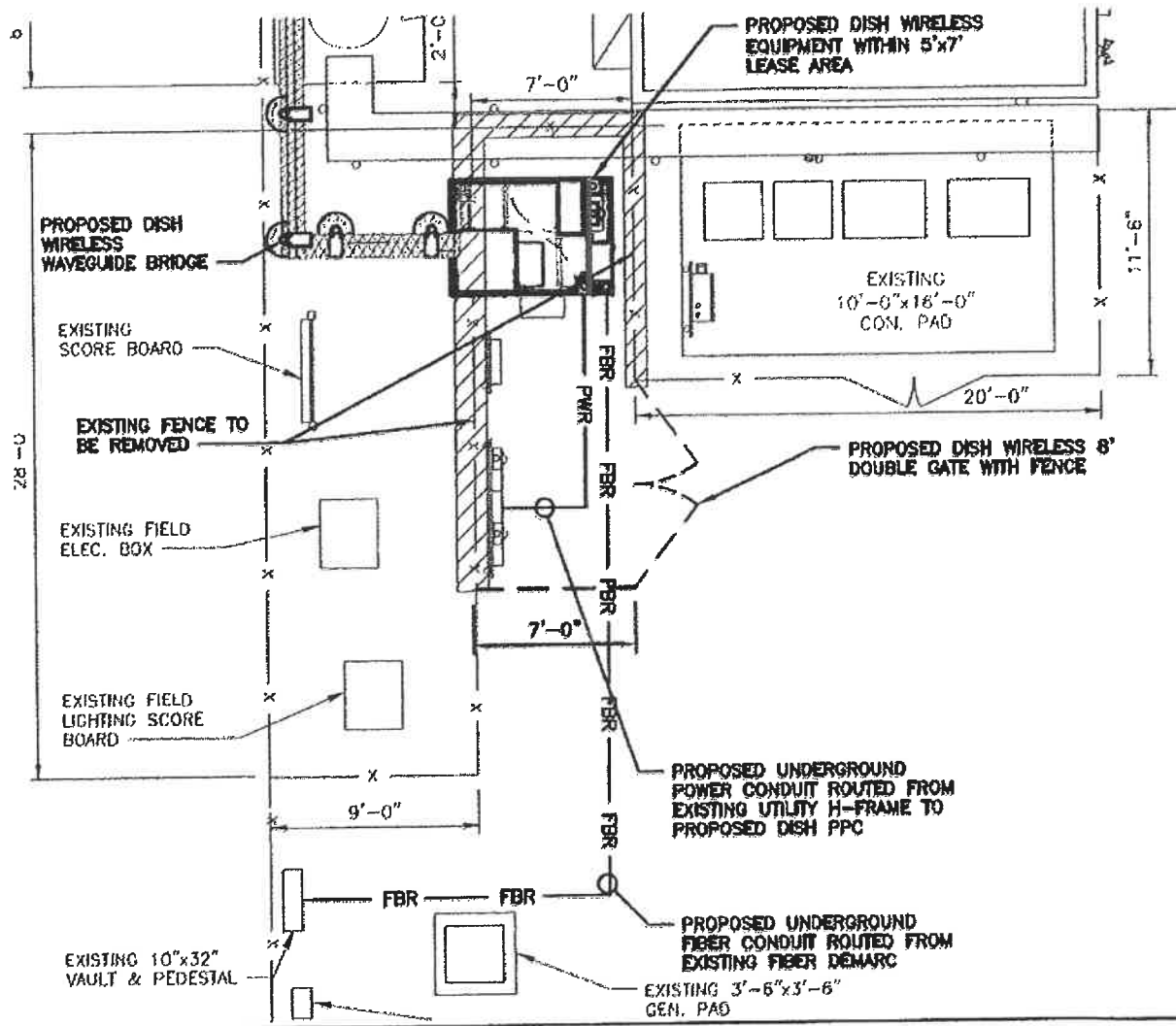
## **Exhibit A**

### **Legal Description of Property**

Property commonly known as Chesley Park, City of New Britain, Connecticut and more particularly described as Parcels A and B on the map entitled "Disposition Map – George Chesley Park, New Britain Industrial Park ICR-3, Cahn Engineers, New Britain-New Haven, Connecticut, dated June 17, 1965, Scale 1" = 05', Dwg. No. 095 I.P.-19" recorded on September 30, 1969 in the office of the Town Clerk, City of New Britain, Connecticut as Volume 14 of Maps, Page 2.

## Exhibit B-1

### New Premises Area



### Detail





# Exhibit D

## **Compound Photos**



01/13/2023 11:18 AM





388

35  
NWBCT23

35  
NWBCT23

NO  
TRESPASSING





GENERATOR  
WIRED FOR 1-  
OPERATION

AT&T  
CABLES  
DO NOT TOUCH  
IF YOU DO, YOU  
MAY BE ELECTROCUTED





AT&T  
FOR TOWNSHIP LEASING INFORMATION  
VISIT  
[www.att.com/leasings](http://www.att.com/leasings)  
OR CALL 1.866.593.1383  
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