

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE: :  
:  
A PETITION FOR A DECLARATORY : PETITION NO. \_\_\_\_  
RULING ON THE NEED TO OBTAIN A :  
SITING COUNCIL CERTIFICATE FOR THE :  
PROPOSED MODIFICATION OF AN :  
EXISTING WIRELESS :  
TELECOMMUNICATIONS FACILITY AT :  
35 WILDWOOD STREET, NEW BRITAIN CT : April 26, 2023

PETITION FOR A DECLARATORY RULING:  
INSTALLATION HAVING NO  
SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. Introduction

Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies (“R.C.S.A.”), Dish Wireless LLC (“Dish”) hereby petitions the Connecticut Siting Council (the “Council”) for a declaratory ruling (“Petition”) that no Certificate of Environmental Compatibility and Public Need (“Certificate”) is required under Section 16-50k(a) of the Connecticut General Statutes (“C.G.S.”) for the modification of an existing wireless telecommunications facility at 35 Wildwood Street, New Britain, Connecticut (the “Existing Facility”).

II. Existing Facility

The Existing Facility is located on an approximately 11.85-acre parcel owned by City of New Britain c/o Chesley Park. The Facility consists of a 110-foot monopole tower. **Attachment 1** contains the owner’s authorization permitting Dish to file this Petition. The Facility was originally approved for use by the Council on March 3, 2005, Petition No. 703 as documented in **Attachment 2**.

III. Dish Facility

Dish’s proposed modification to its facility is illustrated on the plans submitted as **Attachment 3**. Dish proposes to expand the compound an additional 63sqft (9x7ft) with a proposed gate to easily access the 5x7 steel platform that will hold the proposed cabinets. The proposed new fence will match the existing compound fence. No Generator or backup power is proposed at this time. Installation of Dish’s facility will take approximately three (3) weeks to complete. Construction will occur during normal business hours, or as allowed by the tower and/or property owner.

## **Dish Planned Installation:**

### **Install New:**

- (3) JMA MX08FR0665-21 @ 80ft RAD
- (3) Fujitsu TA08025-B605
- (3) Fujitsu TA08025-B604
- (1) Raycap RDIDC-9181-PF-48
- (1) SitePro SNP8HR-396 Mounts
- (1) Hybrid Line

Installation of Dish's facility will cost approximately \$73,000.

Dish has confirmed that the Modified Facility is capable of supporting the additional antennas and other changes to the tower mounted equipment once the proposed tower modifications (Proposed from 0-ft to 37-ft and 47-ft through 62-ft) are completed. As shown in the attached modification drawings, and documented in the Structural Analysis Report annexed hereto as **Attachment 4**.

#### **IV. The Proposed Modification Will Not Have A Substantial Adverse Environmental Effect**

##### **1. Physical Environmental Effects**

The modification of Dish's Facility will not involve a significant alteration to the physical and environmental characteristics of the Property. No native trees will need to be removed and no on-site or off-site wetlands or watercourses will be impacted by the proposed facility expansion.

##### **2. Visual Effects**

There will be no visual impact made to the existing tower. Dish's equipment will be installed at the 80-foot level of the 110-foot monopole which will have a minimal visual impact when viewed from the public right-of-way or adjacent private properties.

##### **3. FCC Compliance**

Radio frequency ("RF") emissions resulting from Dish's proposed modification of the Existing Facility will be well below the standards adopted by the Federal Communications Commission ("FCC"). Included in Attachment 6 is a Radio Frequency Emissions Analysis Report prepared by Fox Hill Telecom. This report confirms that the modified facility will operate well within the RF emission standards established by the FCC.

V. Notice to the Municipality, Property Owner and Abutting Landowners

On April 26, 2023, a copy of this Petition was sent to Mayor Erin E. Stewart and Jacob Colbath, City Planner I. A notice of Dish's intent to file this Petition was also sent to the owners of land that may be considered to abut the Property or is within 200- feet. Included in **Attachment 5** is a sample abutter's letter and the list of those abutting landowners who were sent notice.

VI. Conclusion

Based on the information provided above, the Petitioners respectfully requests that the Council issue a determination in the form of a declaratory ruling that the new facility compound at the Property will not have a substantial adverse environmental effect and does not require the issuance of a Certificate of Environmental Compatibility and Public Need pursuant to § 16-50k of the General Statutes.

Respectfully submitted,

Victoria Masse  
Northeast Site Solutions  
Agent for Dish Wireless  
(860) 306-2326  
victoria@northeastsitesolutions.com

Attachments

Cc: Brandon Robertson, Town Manager  
City of New Britain  
27 West Main Street,  
New Britain, CT 06051

Jacob Colbath, City Planner I  
27 West Main Street  
Room 201  
New Britain, CT 06051

# **ATTACHMENT 1**





## Dish Wireless, LLC Letter of Authorization

### CONNECTICUT SITING COUNCIL

Attn: Melanie A. Bachman Executive  
Director Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

Re: Tower Share Application

Dish Wireless, LLC telecommunications site at:

35 Wildwood Street, New Britain, CT 06051

The owner of **35 Wildwood Street, New Britain, CT 06051**, New Britain City of – Park hereby authorizes DISH Wireless LLC, including their Agent, Northeast Site Solutions, LLC to act as our Agent in the processing of all zoning applications and approvals through the CONNECTICUT SITING COUNCIL for the existing wireless communications site described below:

Customer Site ID: BOBDL00114A

35 Wildwood Street, New Britain, CT 06051

New Britain City of – Park

By: [Signature]

Title: Director of Parks & Recreation

Printed Name: Eric S. Barbieri

## **ATTACHMENT 4**

**35 WILDWOOD ST****BP-2005-0618**

GIS #:	15775
Map:	
Block:	
Lot:	
Category:	Accessory
Permit #	BP-2005-0618
Project #	JS-2005-1386
Est. Cost:	\$84,000.00
Fee Charged:	\$1,290.00
Balance Due:	\$ .00
Const. Class:	
Use Group:	
Lot Size(sq. ft.):	
Zoning:	T
Units Gained:	
Units Lost:	
Dig Safe #:	

**STATE OF CONNECTICUT  
CITY OF NEW BRITAIN****BUILDING PERMIT****PERMISSION IS HEREBY GRANTED TO:****Contractor:****License:**

MCPHEE ELECTRIC

**Owner:** NEW BRITAIN CITY OF - PARK & RECREATION**Applicant:** MCPHEE ELECTRIC**AT:** 35 WILDWOOD ST**ISSUED ON:** 04-May-2005**AMENDED ON:****EXPIRES ON:****TO PERFORM THE FOLLOWING WORK:**

Remove & replace 65' with 110' light stanchion, antennas, shelter, wireless scoreboard per plans, specs & 1999 CT State Building Code.

**POST THIS CARD SO IT IS VISIBLE FROM THE STREET**

<u>Electric</u>	<u>Gas</u>	<u>Plumbing</u>	<u>Building</u>
Underground:	Underground:	Underground:	Excavation:
Service:	Meter:		Footings:
Rough:	Rough:	Rough:	Foundation:
Final:	Final:	Final:	Rough Frame:
			Fireplace/Chimney:
<u>D.P.W.</u>	<u>Fire</u>	<u>Health</u>	
Meter:	Oil:		Insulation:
House #	Smoke:		Final:
Water:	Alarm:		Treasury:
Sewer:	Sprinklers:		

**THIS PERMIT MAY BE REVOKED BY THE CITY OF NEW BRITAIN UPON VIOLATION OF ANY OF ITS RULES AND REGULATIONS.**

Upon issuance of this Permit and the signing of the application the Owner / Applicant shall hereby agree to conform to all the requirements of the Laws of the State of Connecticut and the Ordinance(s) of the City of New Britain and to notify the Chief Building Official in writing of any alteration in the plans or specifications of building for which this permit is asked.

Signed by Frank M. Wiatr M.S. Director, Chief Building Official.

Signature: 

<b>Fee Type:</b>	<b>Receipt No:</b>	<b>Date Paid:</b>	<b>Check No:</b>	<b>Amount:</b>
building permit	REC-2005-001426	28-Mar-05	2830	\$1,290.00

27 West Main Street, Suite 404, Phone:(860) 826-3383, Fax:(860) 612-4212

Petition No. 703  
New Cingular Wireless PCS, LLC  
New Britain, Connecticut  
Staff Report  
March 3, 2005

New Cingular Wireless LLC (Cingular) is petitioning the Council for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need (Certificate) is required for a proposed light pole facility in the City of New Britain on the basis that the light pole is not within the Council's jurisdiction.

Cingular intends to replace a 60-foot light pole with a 110-foot light pole at a ball field in Chesley Park, a municipal park on Wildwood Avenue in New Britain. The existing light pole is one of 14 in the park.

The proposed light pole would contain stadium lights at the 60-foot level and Cingular's antennas at the 110-foot level. A fenced compound containing an equipment shelter and ball field scoreboard would be located at the base of the light pole.

The City of New Britain approved the project during a public hearing on August 11, 2004. The City of New Britain would own the proposed light pole.

Cingular asserts the proposed light pole is not within the Council's jurisdiction since the light pole is an existing use and does not constitute a telecommunications tower. Furthermore, if the Council rules that the light pole is a telecommunications tower, Cingular asserts it would be a municipal tower since it would be owned by the city, located on city owned property, and would be available to the city for future communication use.

35 WILDWOOD ST

Location	35 WILDWOOD ST	Mblu	A8B/ 1/ / /
Acct#	91200035	Owner	NEW BRITAIN CITY OF - PARK
Assessment	\$1,215,340	Appraisal	\$1,736,200
PID	1830	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2017	\$1,020,300	\$715,900	\$1,736,200
Assessment			
Valuation Year	Improvements	Land	Total
2017	\$714,210	\$501,130	\$1,215,340

Owner of Record

Owner	NEW BRITAIN CITY OF - PARK	Sale Price	\$0
Co-Owner	CHESLEY PARK	Certificate	
Address	27 WEST MAIN ST	Book & Page	0/0
	NEW BRITAIN, CT 06051	Sale Date	01/01/1900

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
NEW BRITAIN CITY OF - PARK	\$0		0/0	01/01/1900

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	0
Replacement Cost:	\$0
Building Percent Good:	
Replacement Cost	
Less Depreciation:	\$0
Building Attributes	


Field	Description
Style	Outbuildings
Model	
Grade	
Stories	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Central Heat Sys	
Heat Type	
AC Type	
Total Bedrooms	
Total Full Baths	
Total Half Baths	
Total Xtra Fixtrs	
Total Rooms	
Bath Style	
Kitchen Style	
Num Kitchens	
Whirlpool Tub	
Fireplaces_2	
Rec Room Finish	
Rec Room Qual	
Bsmt Garages	
Fireplaces	
Bldg Nbhd	
Fndtn Cndtn	
Basement	

### Building Photo



(https://images.vgsi.com/photos/NewBritainCTPhotos//00\02\14\61.JPG)

### Building Layout

 Building Layout (ParcelSketch.ashx?pid=1830&bid=2529)
Building Sub-Areas (sq ft) <span>Legend</span>
No Data for Building Sub-Areas

### Extra Features

Extra Features <span>Legend</span>
No Data for Extra Features

### Land

Land Use		Land Line Valuation	
<b>Use Code</b>	903A	<b>Size (Acres)</b>	11.85
<b>Description</b>	Mun Park MDL-00	<b>Depth</b>	
<b>Zone</b>	T	<b>Assessed Value</b>	\$501,130
<b>Neighborhood</b>	107	<b>Appraised Value</b>	\$715,900
<b>Alt Land Appr Category</b>	No		

## Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
TEN1	Tennis Crt Asp			4.00 Units	\$145,000	1
PAV1	Paving Asphalt			50000.00 S.F.	\$72,000	1
FN5	Fence-10' Chai			888.00 L.F.	\$20,400	1
TR2	RestRoom stone			2697.00 S.F.	\$354,000	1
TR2	RestRoom stone			1875.00 S.F.	\$246,100	1
FN1	Fence - Chain			4000.00 L.F.	\$42,800	1
CAN4	Canopy rf/slb			800.00 S.F.	\$9,600	1
CB3	PreCastConcCel			240.00 S.F.	\$55,400	1
FN1	Fence - Chain			100.00 L.F.	\$700	1
CB4	PreCastConcCel			360.00 S.F.	\$74,300	1

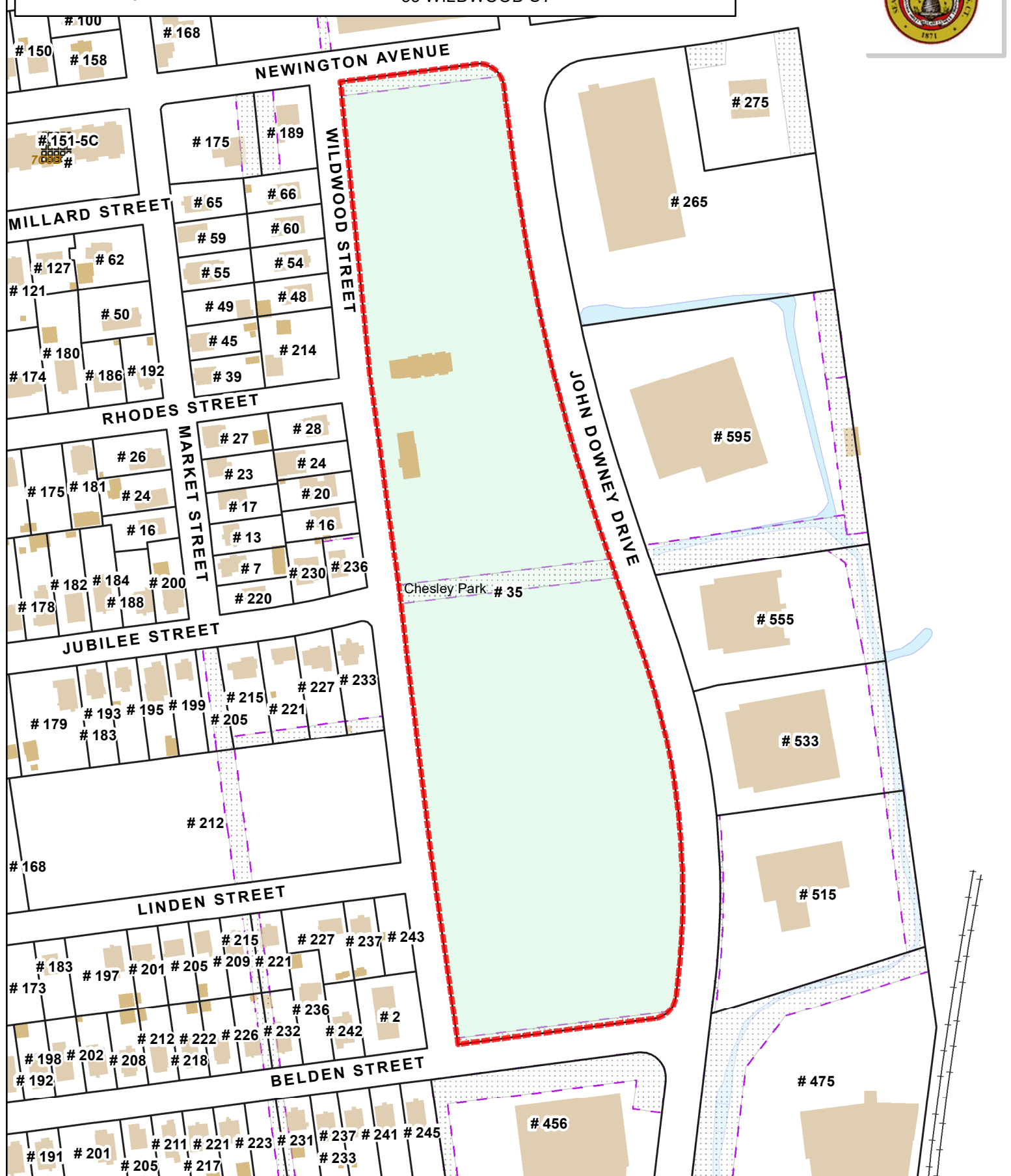
## Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$1,020,300	\$715,900	\$1,736,200
2020	\$1,020,300	\$715,900	\$1,736,200
2019	\$926,900	\$715,900	\$1,642,800

Assessment			
Valuation Year	Improvements	Land	Total
2021	\$714,210	\$501,130	\$1,215,340
2020	\$714,210	\$501,130	\$1,215,340
2019	\$648,830	\$501,130	\$1,149,960

260 # 270

**Address:** 35 WILDWOOD ST



**1 inch = 200 feet**

**This map is for informational purposes only.  
All information is subject to verification by any user.  
The City of New Britain and its mapping contractors  
assume no legal responsibility for the information contained herein.**

**Map Produced April 2020**



## **ATTACHMENT 5**



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

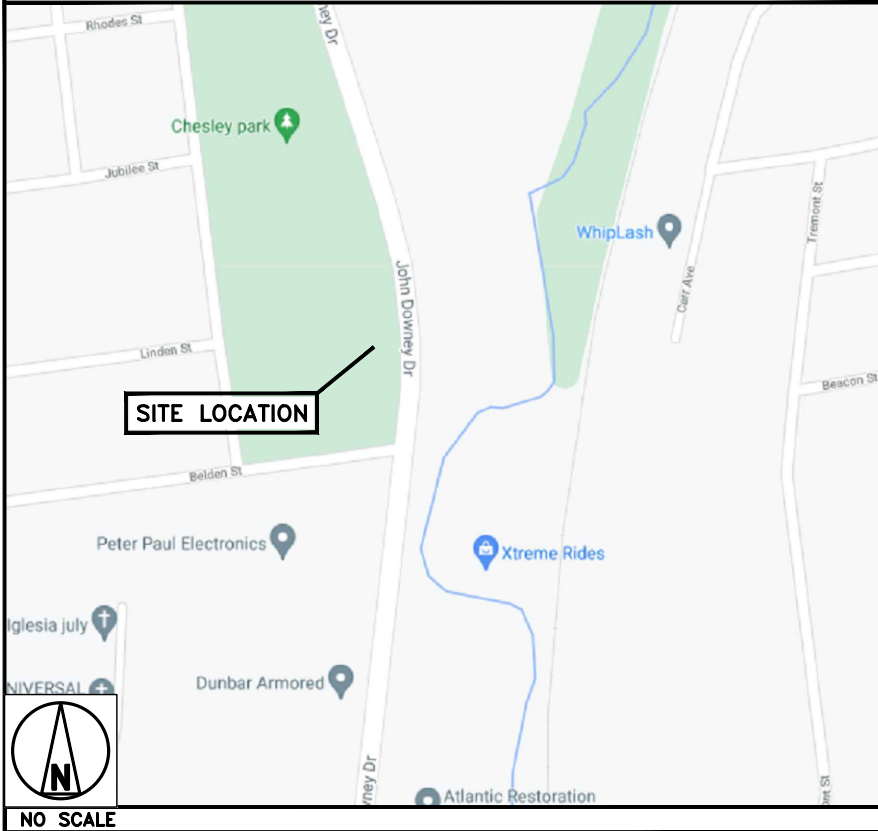
SITE PHOTO

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

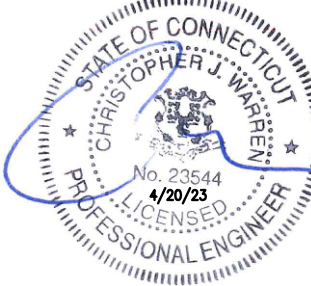
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



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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

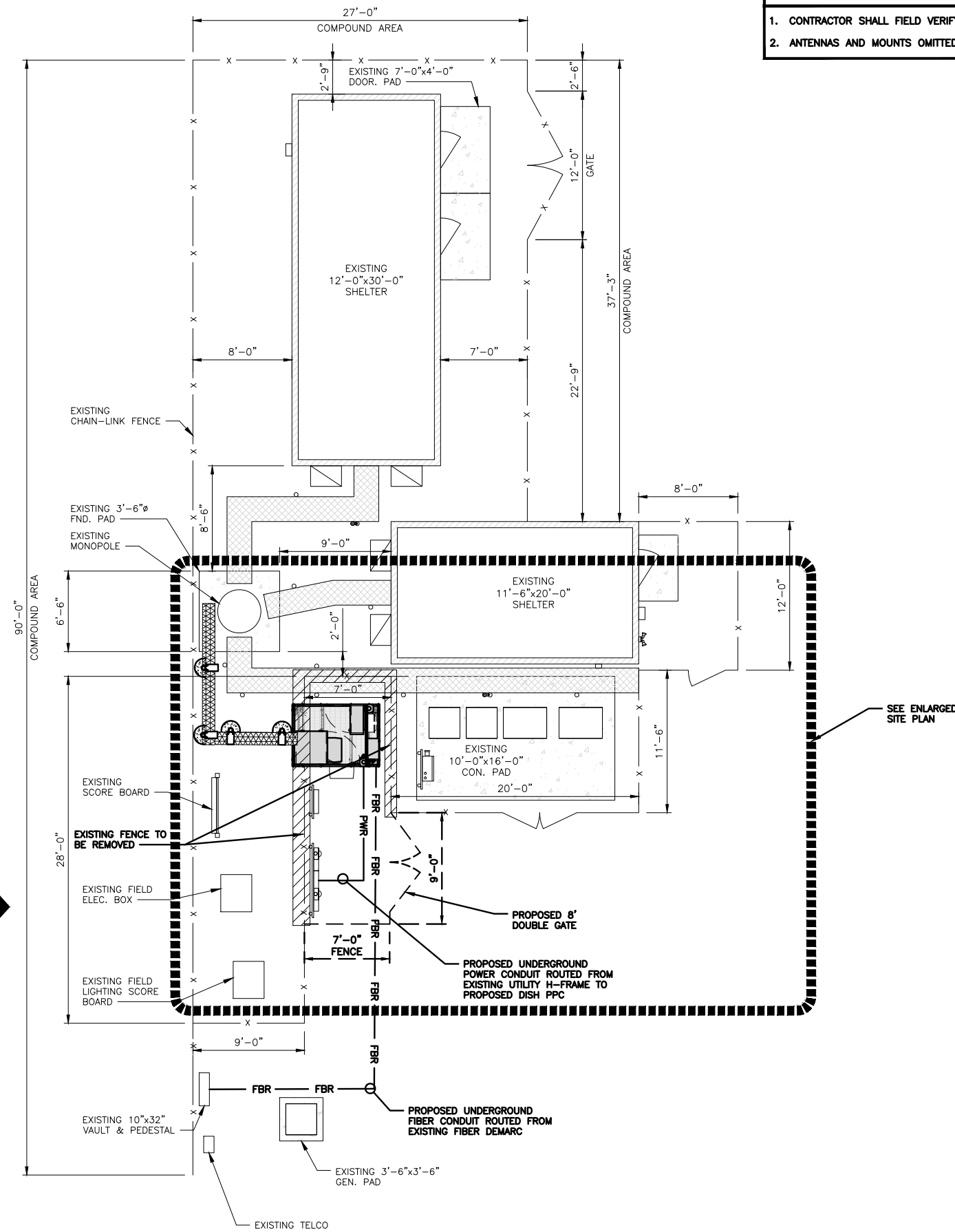
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE

TITLE SHEET

SHEET NUMBER

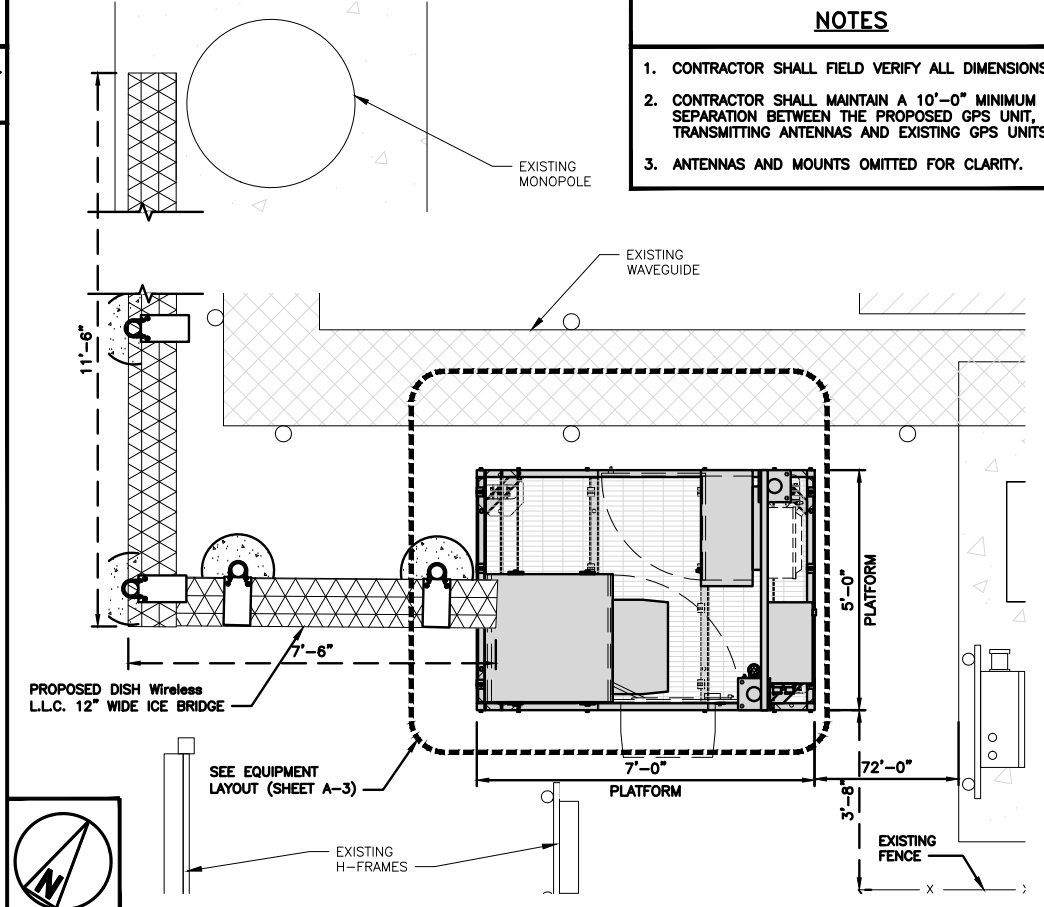
T-1



COMPOUND PLAN

## NOTES

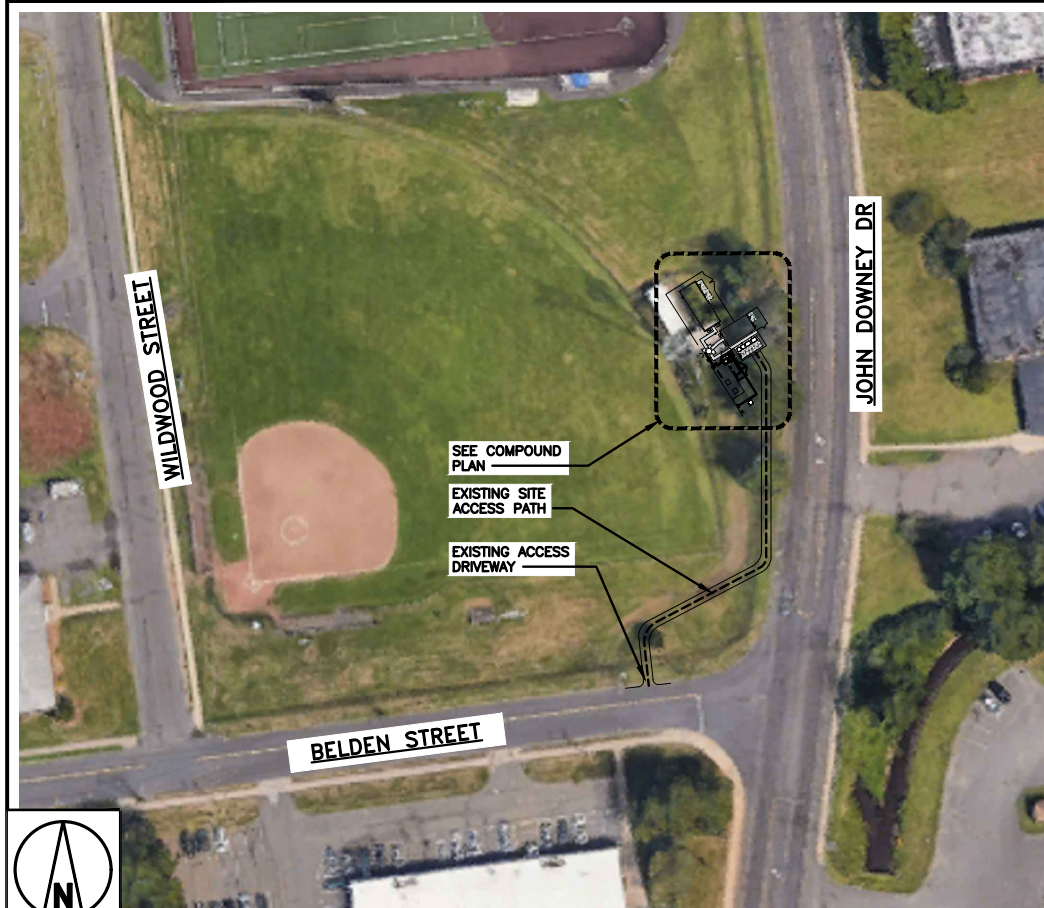
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



**ENLARGED SITE PLAN**

## NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



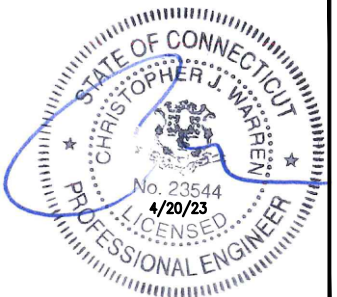
## SITE PLAN



5701 SOUTH SANTA FE DRIVE  
LITTLETON, CO 80120



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TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
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RCD	PT	CJW
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RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

## SUBMITTALS

REV	DATE	DESCRIPTION
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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  
OVERALL AND ENLARGED  
SITE PLAN

SHEET NUMBER

**A-1**

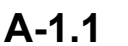




1

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 S55 LLC		533 JOHN DOWNEY DR		NEW BRITAIN	CT	06051-0000
A8A 2	595 JOHN DOWNEY DR	MICROCARA 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	SIL0 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	MONTELEANOS TEODOLINDA		236 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8C 146	237 BELDEN ST	DOBROWOLSKI SYLVIA G +	DOBROWOLSKI SOPHIE K	237 BELDEN ST		NEW BRITAIN	CT	06051-0000
A8C 246	241 BELDEN ST	BRZOSKA ANTONI + ANNETTE + MEGAN &	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	VASILADIIS EVANGELOS +	VASILADIIS 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 MELUSSA		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 AUCJA 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	MORTER 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 +	WODAR					

2



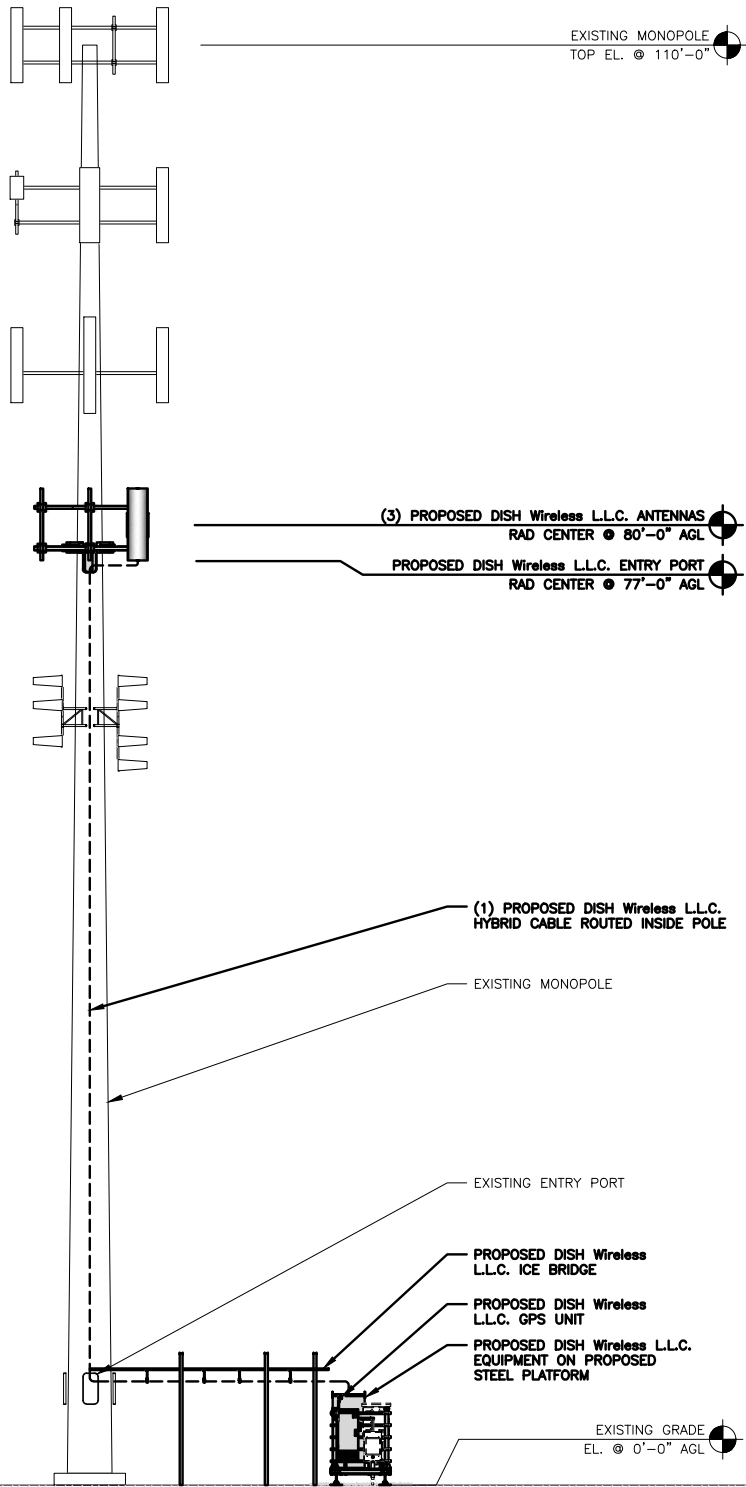


# NOTES

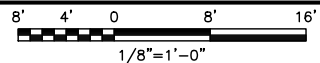
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.
4. BASED ON THE MOUNT ANALYSIS COMPLETED BY INFINIGY DATED 12/08/2022, THE EXISTING ANTENNA 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

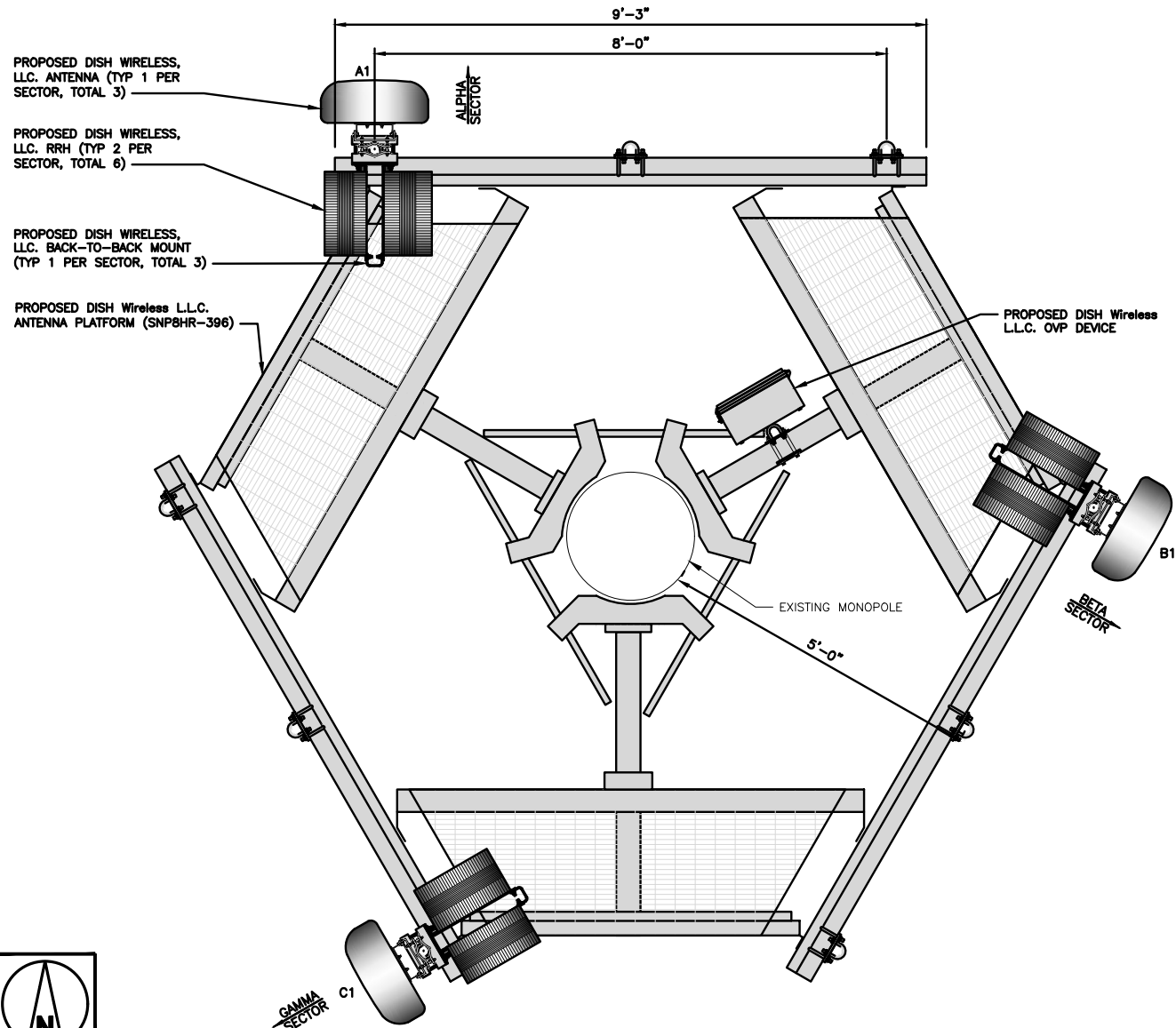
SEE STRUCTURAL MOD PLAN DRAWINGS, COMPLETED BY BST (BLUE SKY TOWERS LLC), DATED APRIL 10, 2023, AT THE END OF THIS DRAWING SET FOR TOWER MODIFICATION SCHEDULE & DETAILS



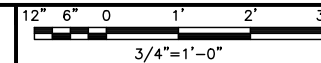
PROPOSED NORTHWEST ELEVATION



1



ANTENNA LAYOUT



2

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

NO SCALE

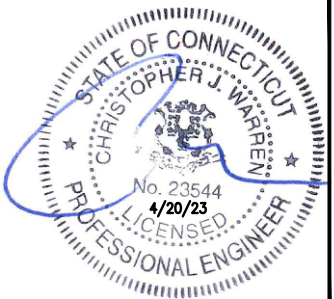
3

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DRAWN BY: CHECKED BY: APPROVED BY:

RCD PT CJW

RFDS REV #: N/A

## CONSTRUCTION DOCUMENTS

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A&E PROJECT NUMBER

1197-F0001-C

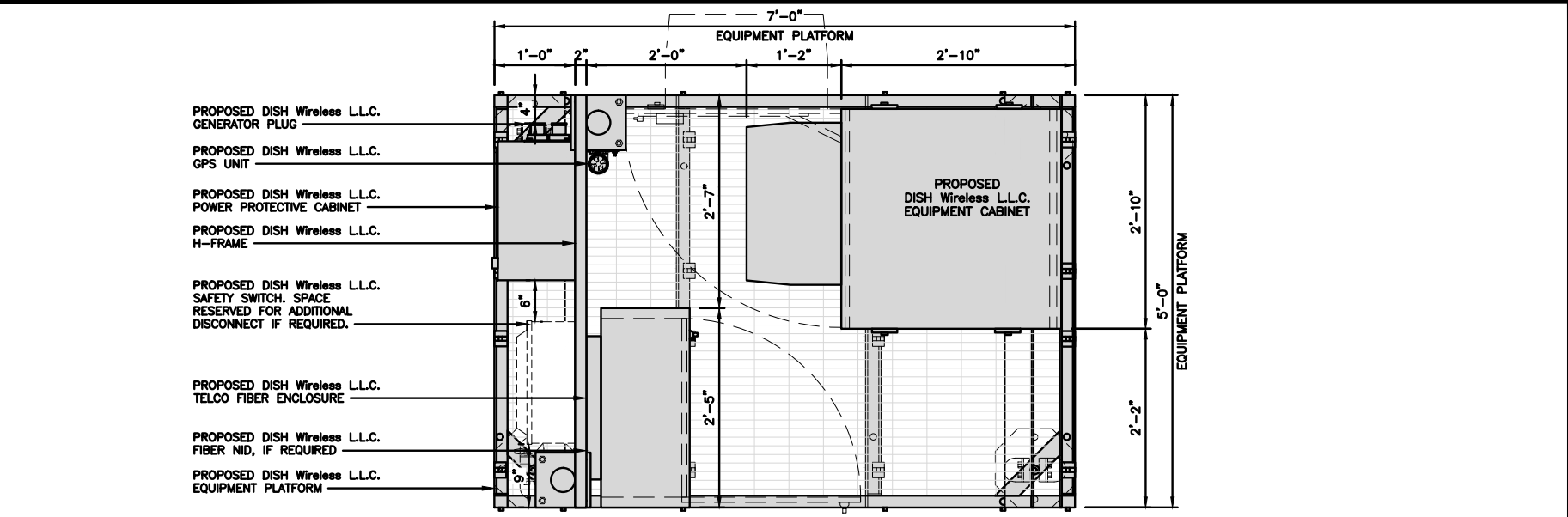
DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
ELEVATION, ANTENNA  
LAYOUT AND SCHEDULE

SHEET NUMBER

**A-2**

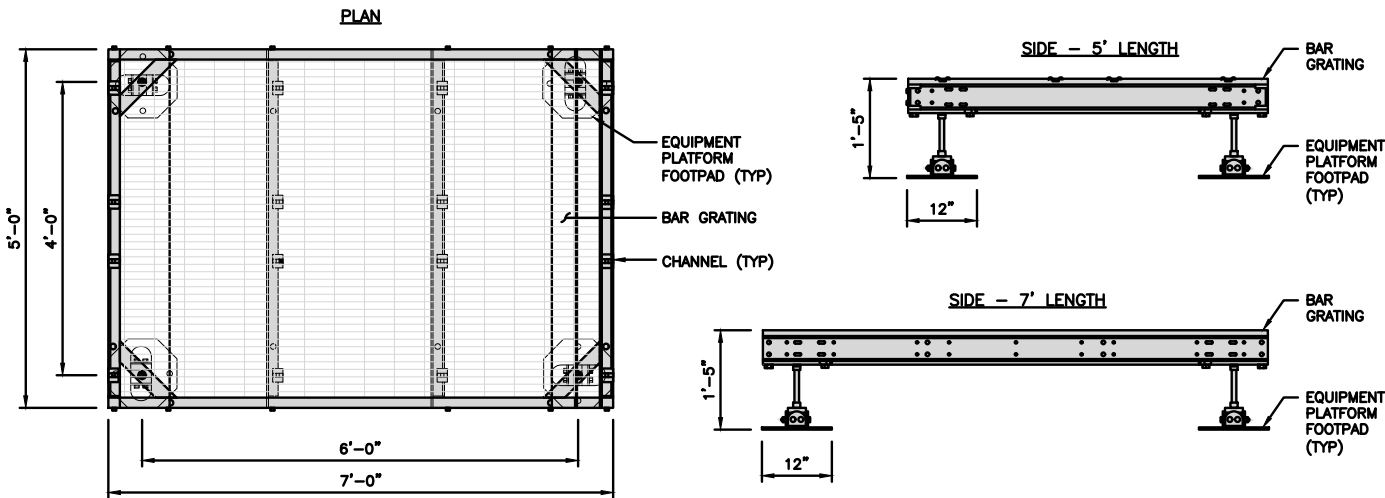


PLATFORM EQUIPMENT PLAN

1

COMMSCOPE MTC4045LP 5X7 PLATFORM	
DIMENSIONS (HxWxD)	16"x84"x60"
TOTAL WEIGHT	423 LBS

NOTE:  
GC TO PROVIDE EXTENDED  
THREAD FOR PLATFORM IF  
REQUIRED HEIGHT EXCEEDS 17"

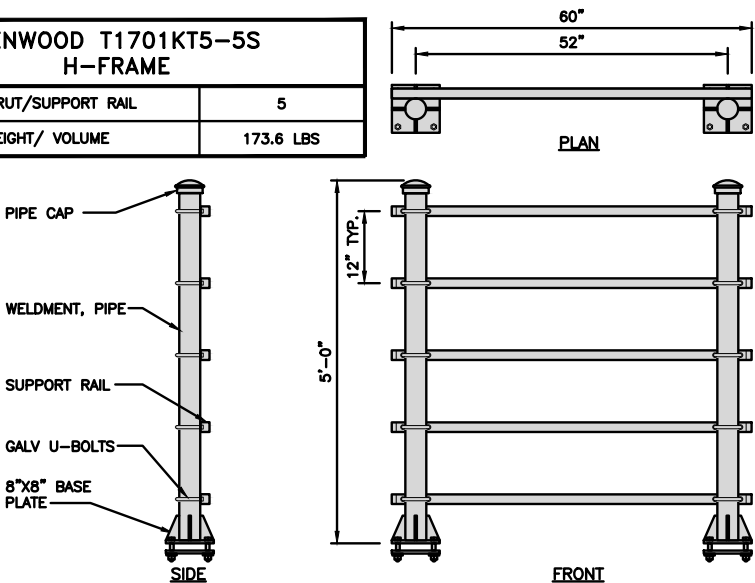


PLATFORM DETAIL

NO SCALE

2

KENWOOD T1701KT5-5S H-FRAME	
UNISTRUT/SUPPORT RAIL	5
WEIGHT/ VOLUME	173.6 LBS



H-FRAME DETAIL

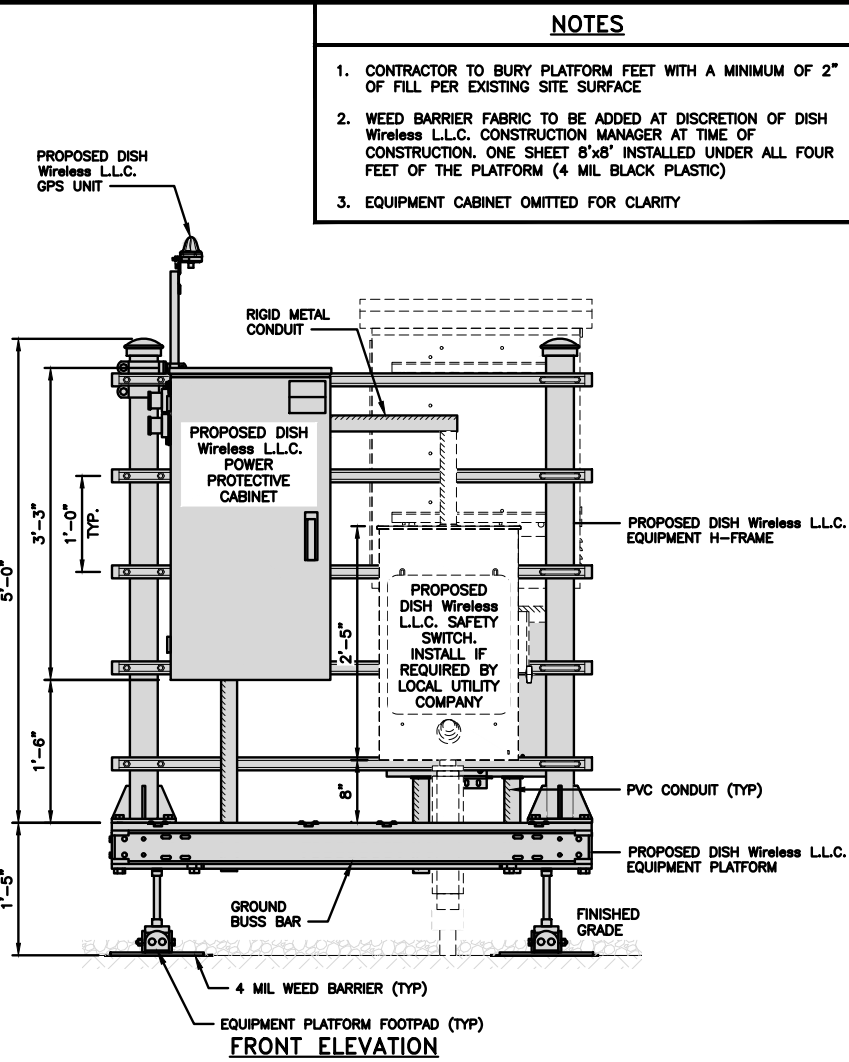
NO SCALE

3

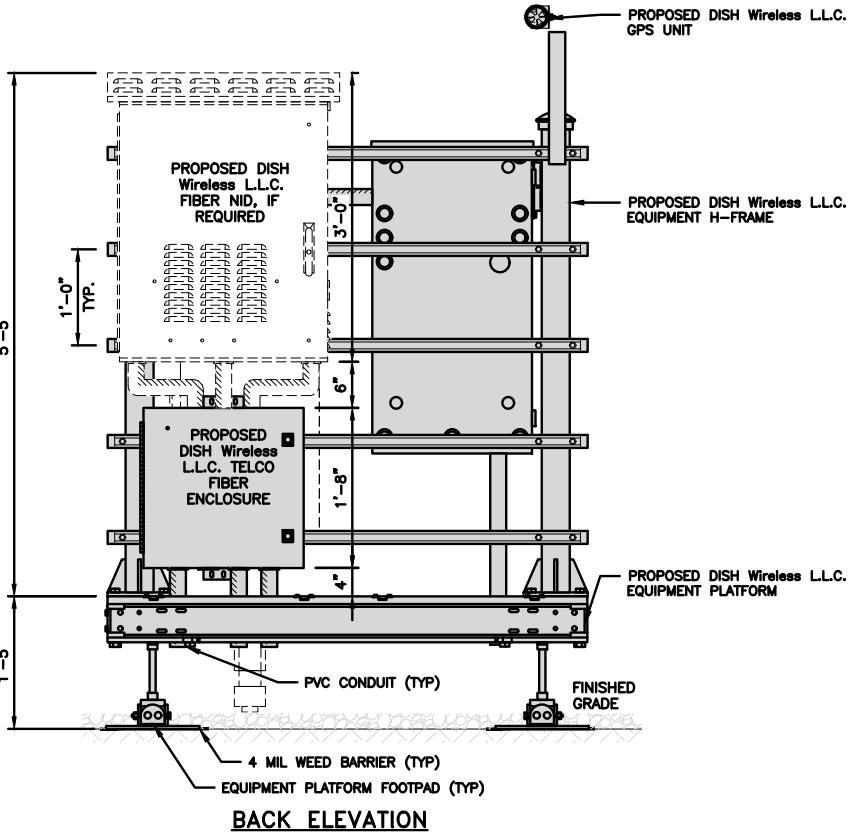
NOT USED

NO SCALE

4



FRONT ELEVATION



BACK ELEVATION

H-FRAME EQUIPMENT ELEVATION

12" 9" 6" 3" 0" 1' 2" 1"=1'-0"

5

NOTES

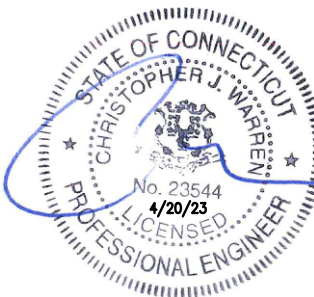
1. CONTRACTOR TO BURY PLATFORM FEET WITH A MINIMUM OF 2" OF FILL PER EXISTING SITE SURFACE
2. WEED BARRIER FABRIC TO BE ADDED AT DISCRETION OF DISH Wireless L.L.C. CONSTRUCTION MANAGER AT TIME OF CONSTRUCTION. ONE SHEET 8'x8' INSTALLED UNDER ALL FOUR FEET OF THE PLATFORM (4 MIL BLACK PLASTIC)
3. EQUIPMENT CABINET OMITTED FOR CLARITY



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A&E PROJECT NUMBER  
1197-F0001-C

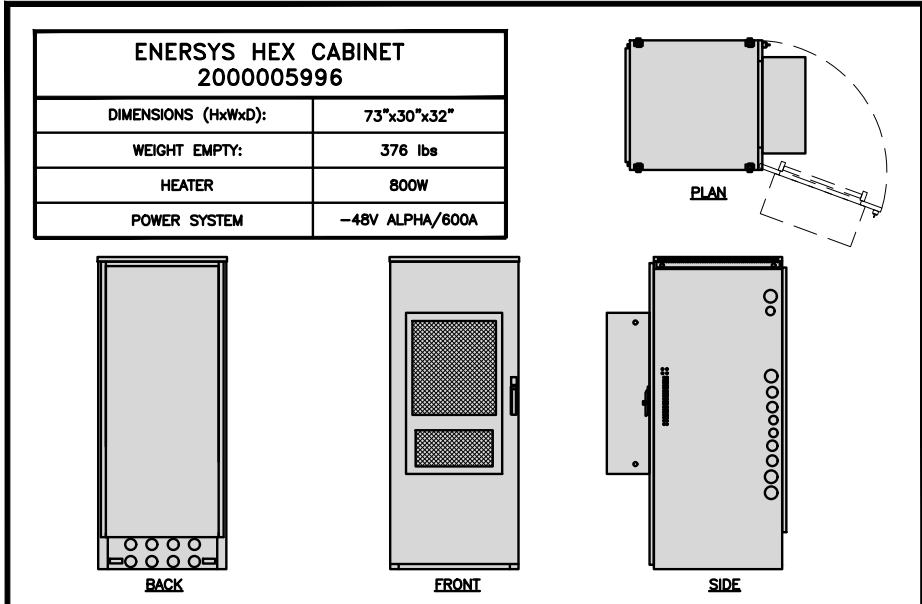
DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
EQUIPMENT PLATFORM AND  
H-FRAME DETAILS

SHEET NUMBER

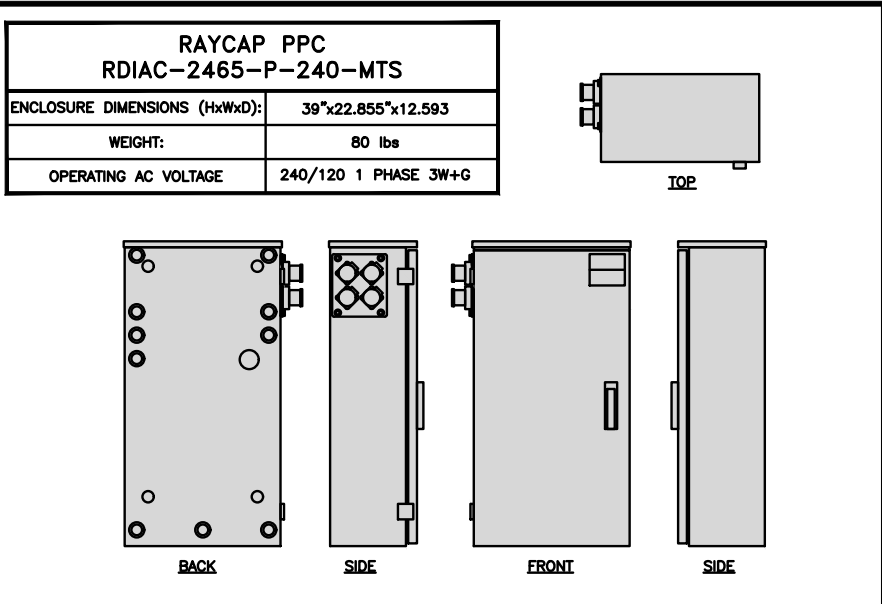
A-3



CABINET DETAIL

NO SCALE

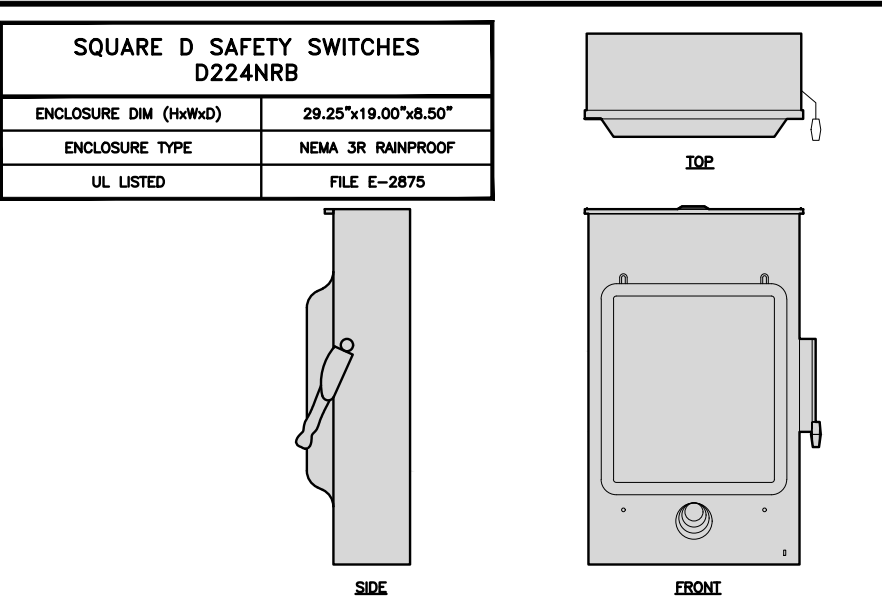
1



POWER PROTECTION CABINET (PPC) DETAIL

NO SCALE

2



SAFETY SWITCH DETAIL

NO SCALE

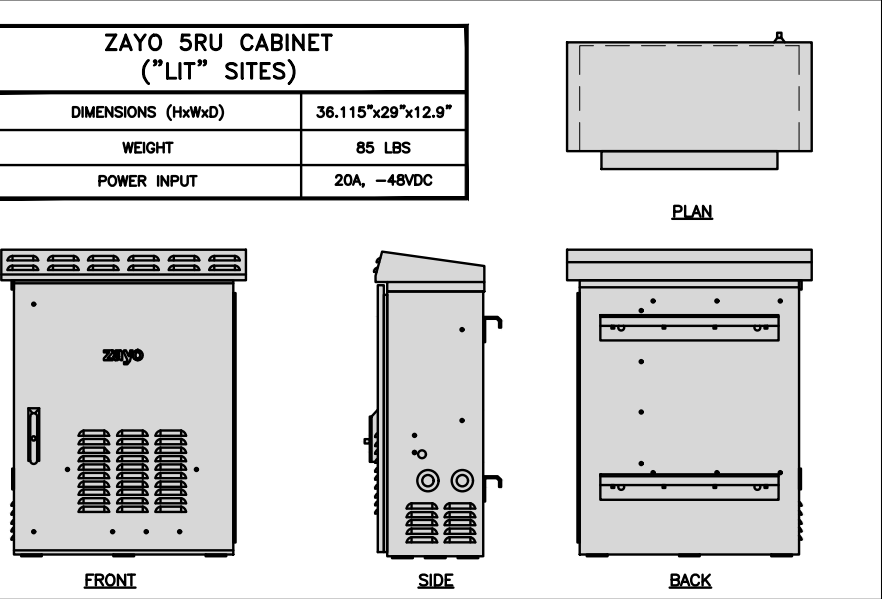
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NOT USED

NO SCALE

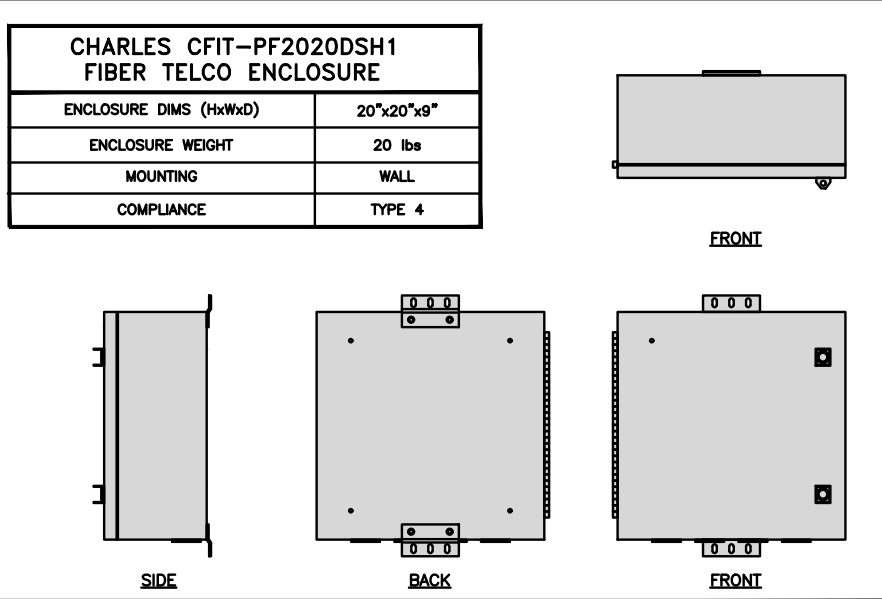
4



NETWORK INTERFACE UNIT DETAIL

NO SCALE

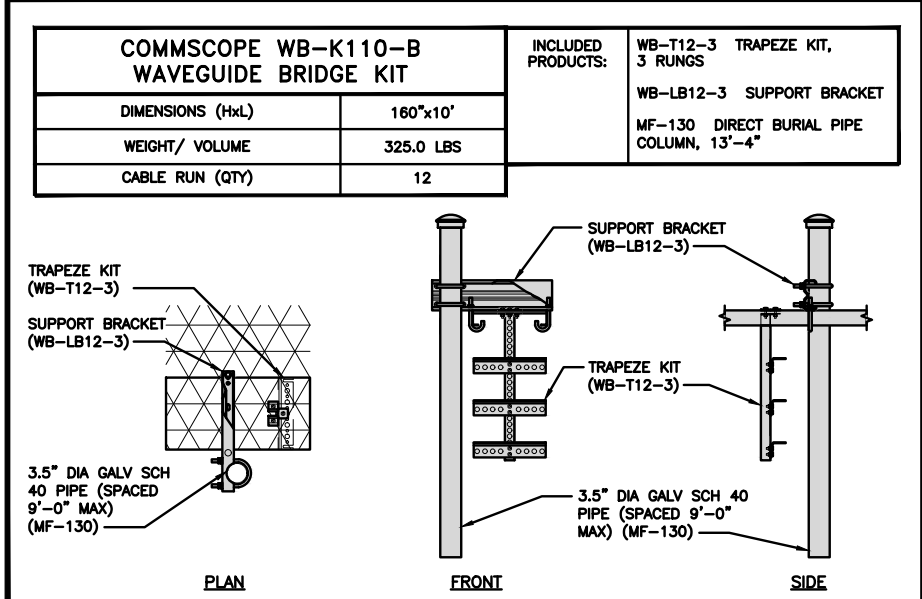
5



FIBER TELCO ENCLOSURE DETAIL

NO SCALE

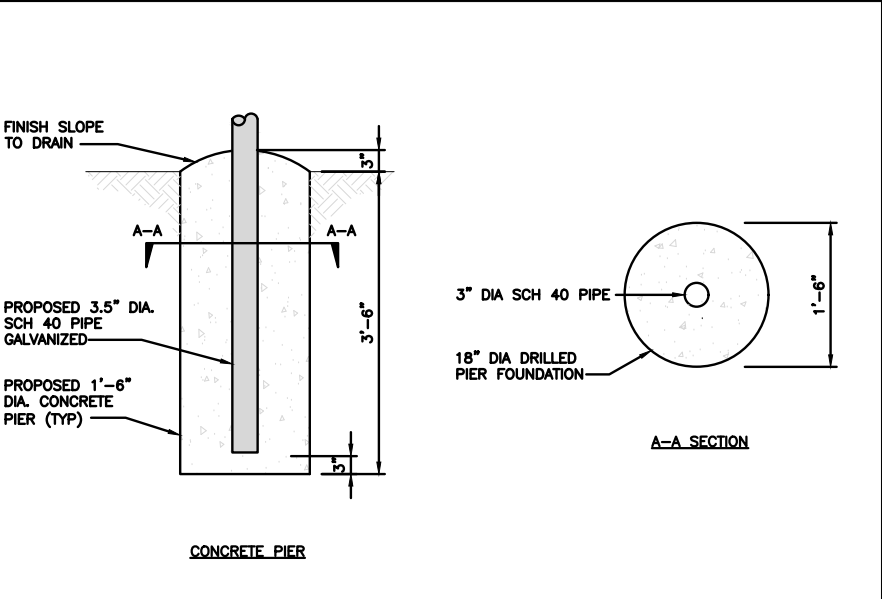
6



ICE BRIDGE DETAIL

NO SCALE

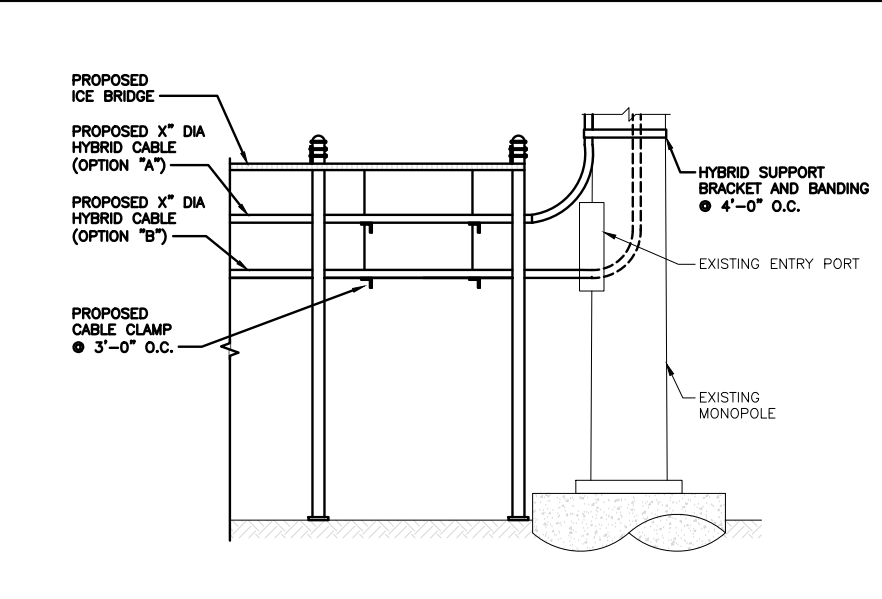
7



TYPICAL ICE BRIDGE CONCRETE PIER DETAIL

NO SCALE

8



HYBRID CABLE RUN

NO SCALE

9

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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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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"

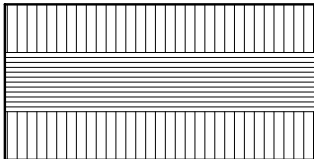
WEIGHT(KG,LB)/ VOLUME

29kg,63.9lb/ 30L

POWER SUPPLY

DC-58~-36V

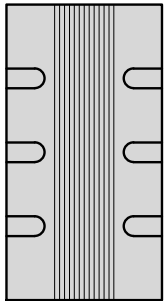
PLAN



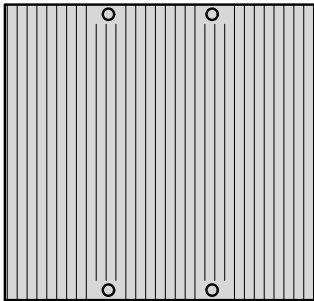
NOTES

FINAL RRH SPECIFICATIONS TO BE CONFIRMED BY GC

SIDE



FRONT



REMOTE RADIO HEAD DETAIL

NO SCALE

1

FUJITSU  
TA08025-B605 RRH

DIMENSIONS (HxWxD) (KG/IN)

380x400x230/14.9"x15.7"x9.0"

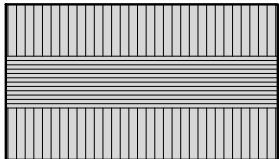
WEIGHT(KG,LB)/ VOLUME

34kg,74.9lb/ 35L

POWER SUPPLY

DC-58~-36V

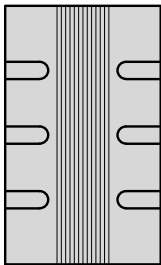
PLAN



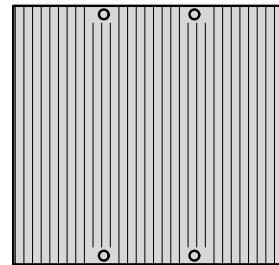
NOTES

FINAL RRH SPECIFICATIONS TO BE CONFIRMED BY GC

SIDE



FRONT



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

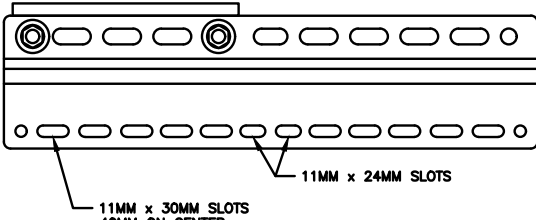
2

RRH Z BRACKET, 3/16"

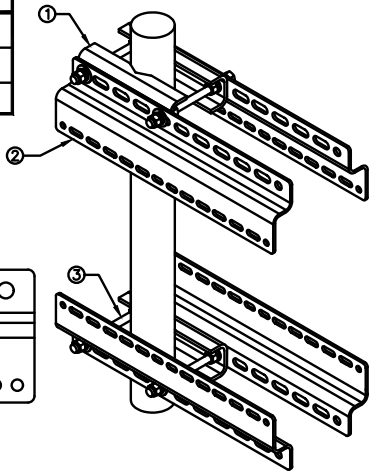
3

THREADED ROD ASSEMBLY 1/2"x12"

11MM x 30MM SLOTS  
40MM ON CENTER



11MM x 24MM SLOTS



REMOTE RADIO MOUNT DETAIL

NO SCALE

3

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



ANTENNA DETAIL

NO SCALE

5

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

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

7

SITEPRO1 SNP8HR-396  
SNUB-NOSE PLATFORM

FACE SIZE

8'-0"

WEIGHT

1786.28 LB

ANTENNA PIPE MOUNTS

(6) 2-3/8" O.D.

FACE MOUNT PIPE



CORNER GRATING WELDMENT



RING MOUNT WELDMENT



FACE MOUNT PIPE



CORNER GRATING WELDMENT





ANTENNA PLATFORM DETAIL

NO SCALE

8

NOT USED

NO SCALE

9

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STATE OF CONNECTICUT

CHRISTOPHER J. WARREN

No. 23544

4/20/23

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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

04/18/23

ISSUED FOR PERMIT

A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A

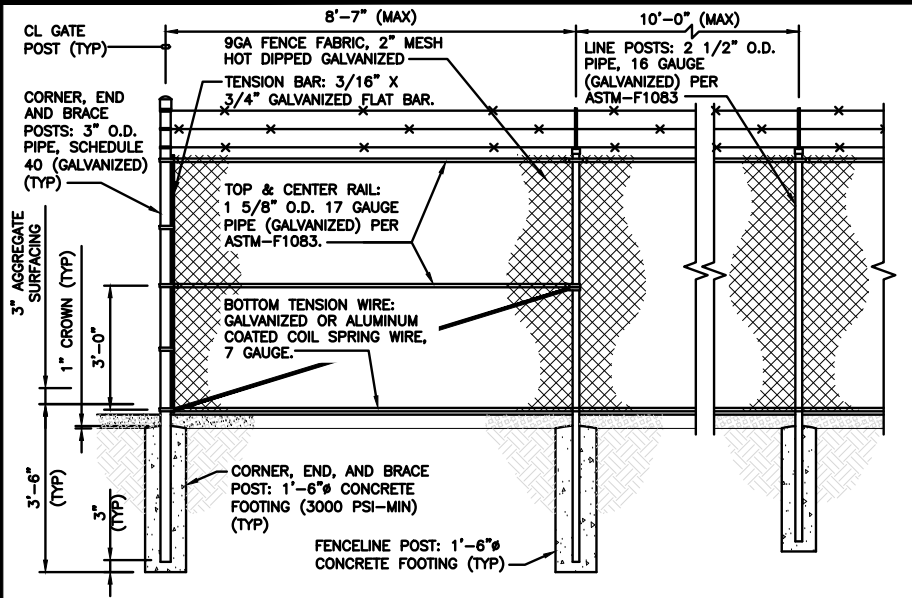
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

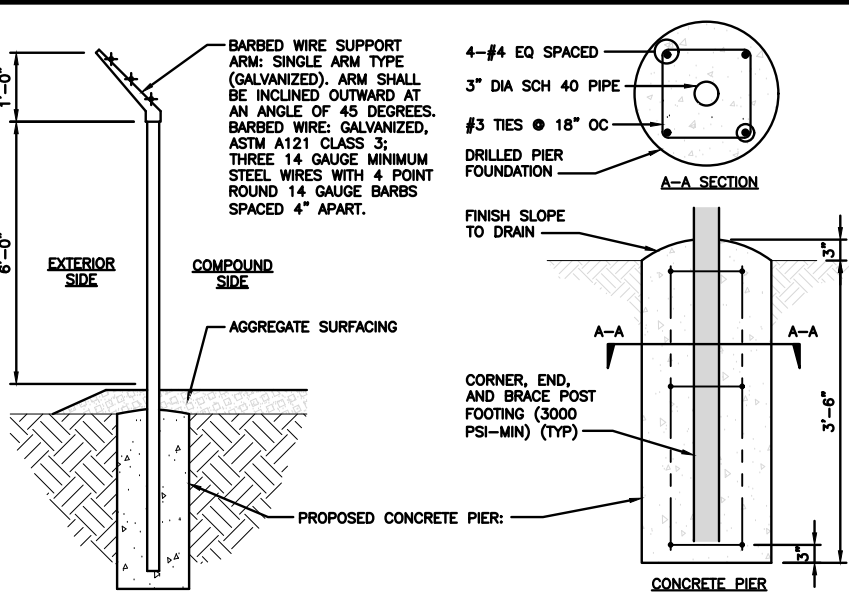
A-6



TYPICAL FENCE DETAIL

NO SCALE

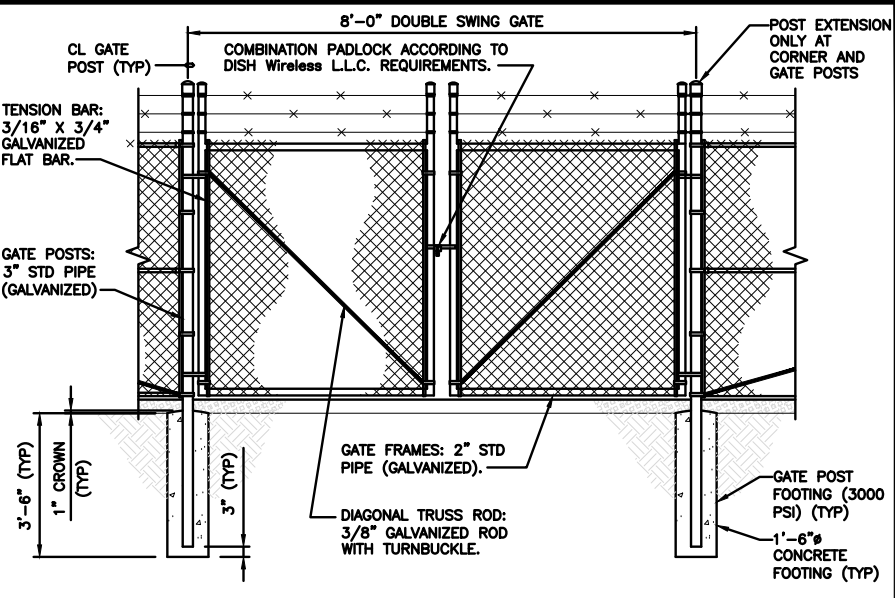
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TYPICAL FENCE & CONCRETE PIER SECTION

NO SCALE

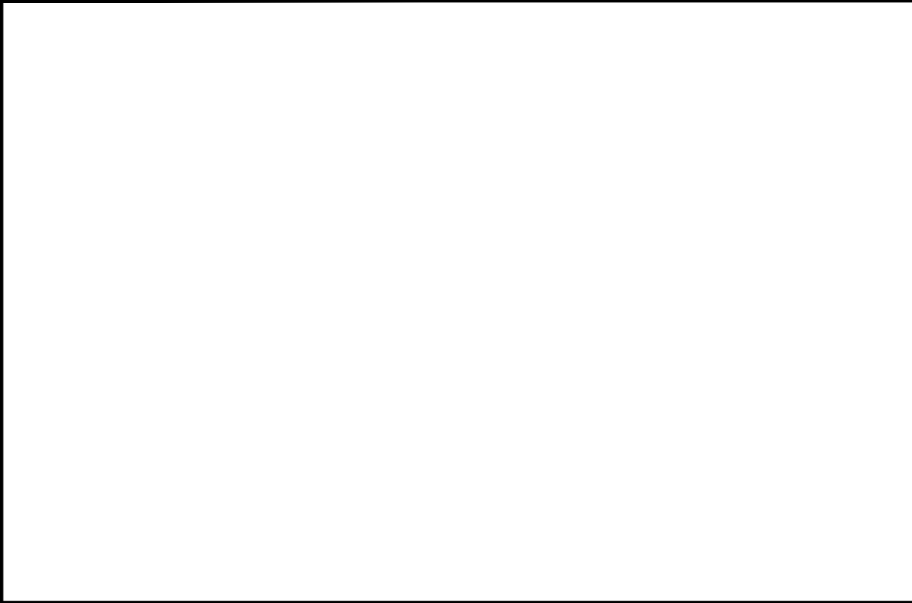
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TYPICAL GATE ELEVATION DETAIL

NO SCALE

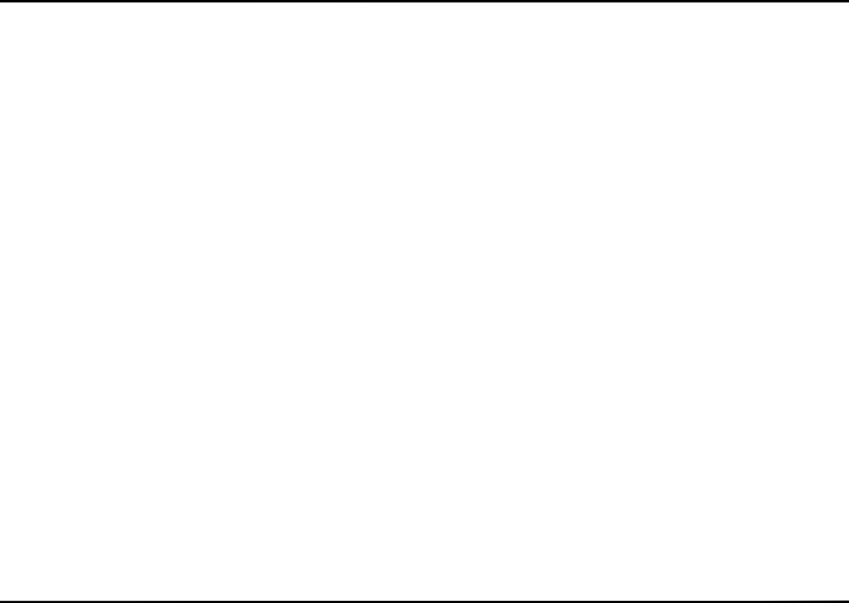
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NOT USED

NO SCALE

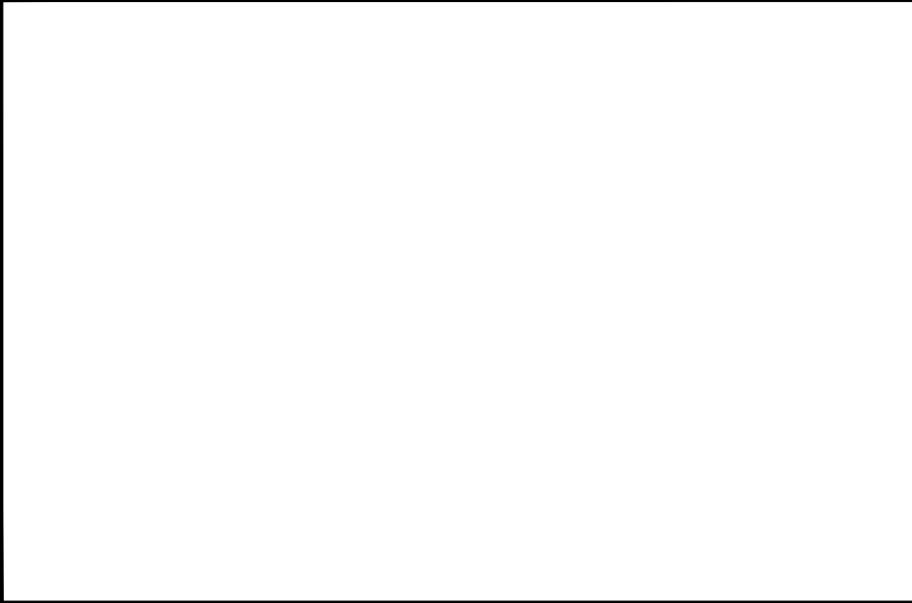
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NOT USED

NO SCALE

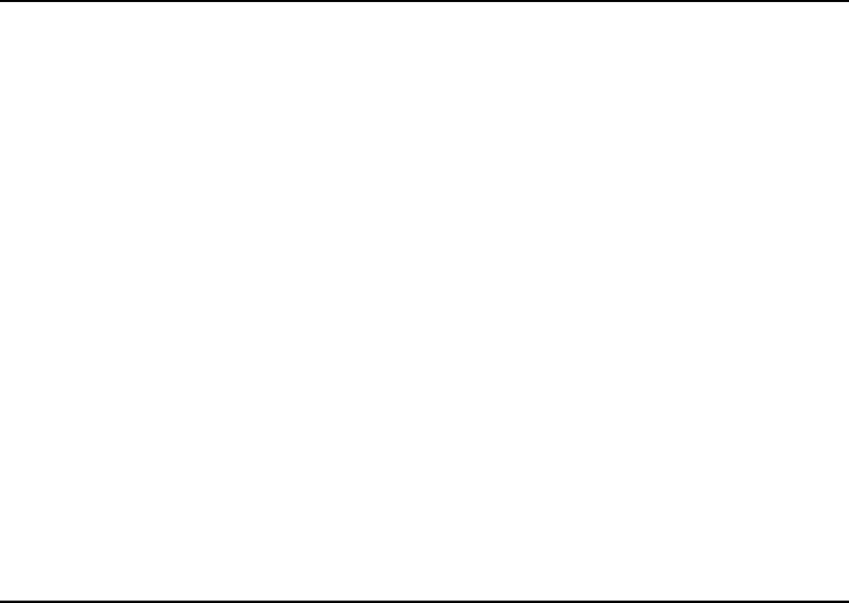
5



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

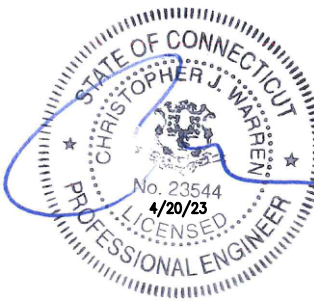
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RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

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A&E PROJECT NUMBER

1197-F0001-C

DISH Wireless L.L.C.  
PROJECT INFORMATION

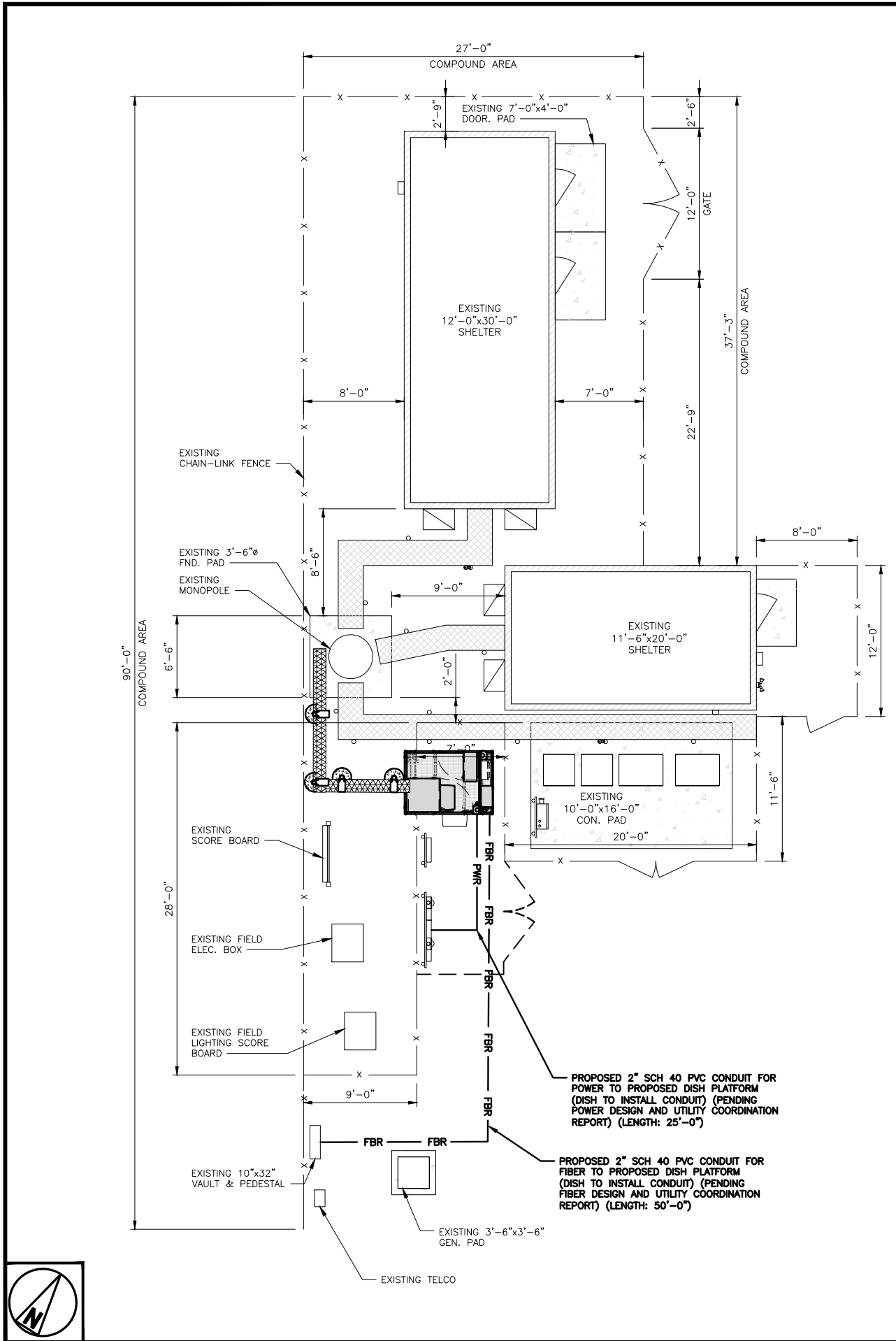
BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
FENCE DETAILS

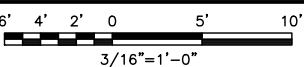
SHEET NUMBER

A-7





UTILITY ROUTE PLAN



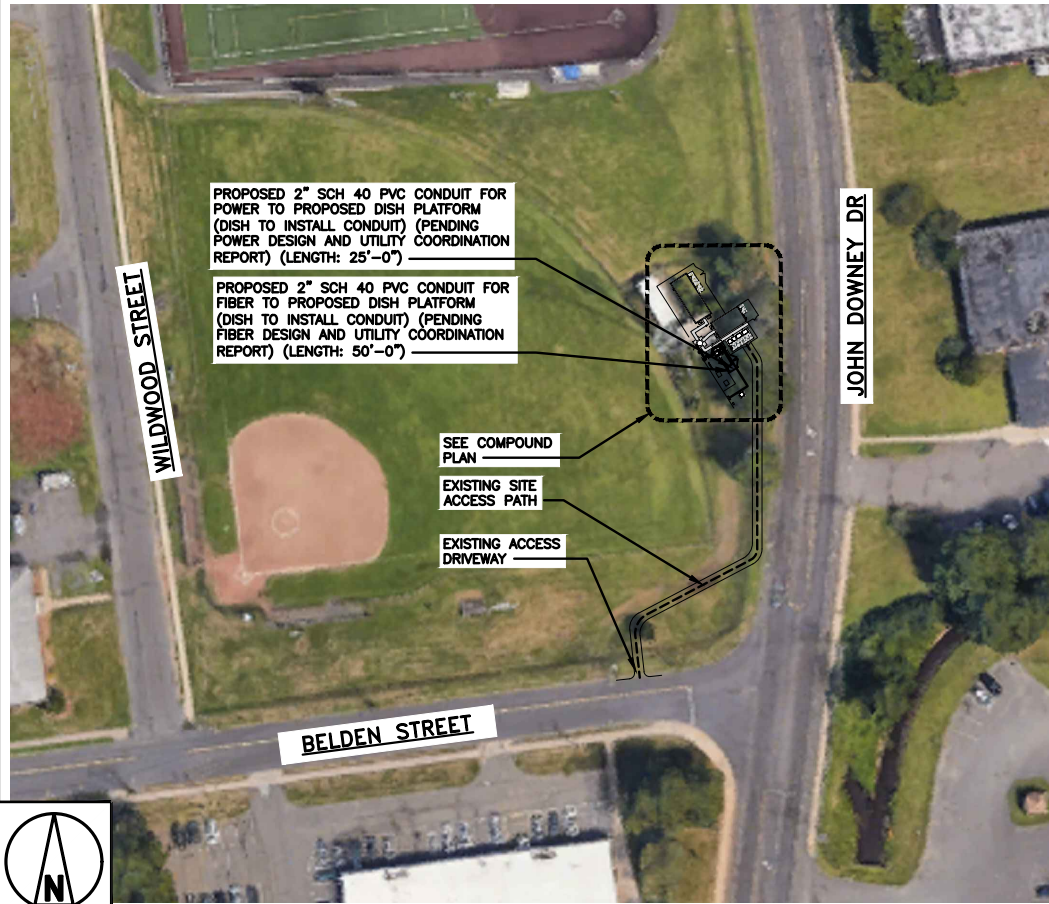
NOTES

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

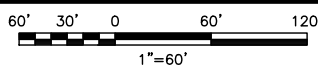
DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

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



OVERALL UTILITY ROUTE PLAN

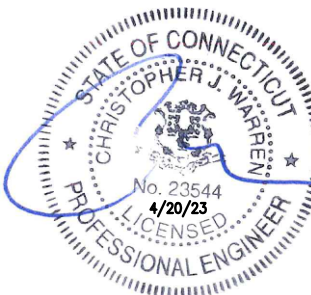


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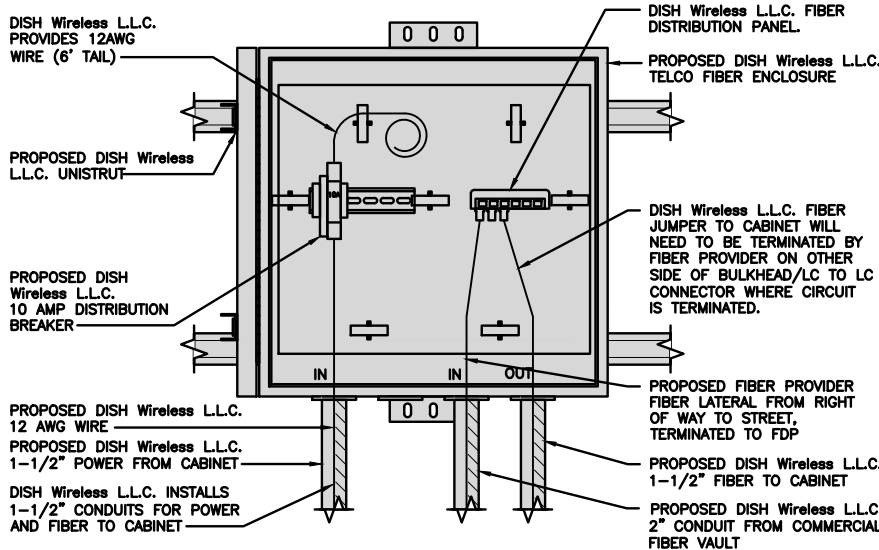
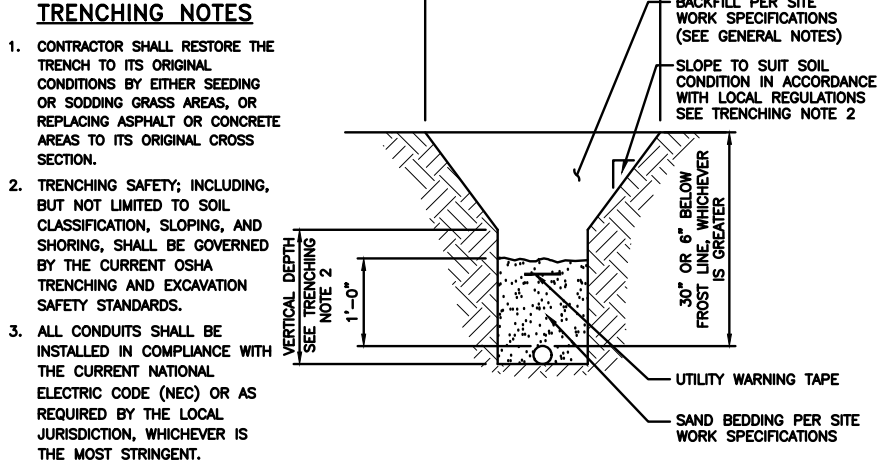
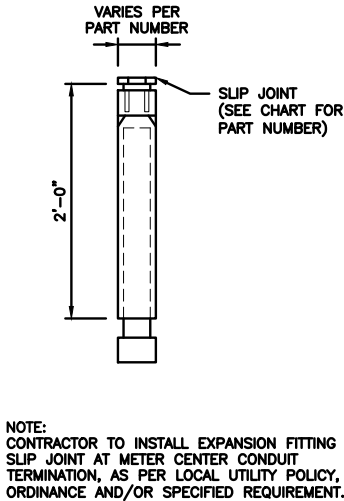
A&E PROJECT NUMBER  
1197-F0001-C

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

SHEET TITLE  
ELECTRICAL/FIBER ROUTE  
PLAN AND NOTES

SHEET NUMBER  
**E-1**

CARLON EXPANSION FITTINGS				
COUPLING END PART#	MALE TERMINAL ADAPTER END PART#	SIZE	STD CTN QTY.	TRAVEL LENGTH
E945D	E945DX	1/2"	20	4"
E945E	E945EX	3/4"	15	4"
E945F	E945FX	1"	10	4"
E945G	E945GX	1 1/4"	5	4"
E945H	E945HX	1 1/2"	5	4"
E945J	E945JX	2"	15	8"
E945K	E945KX	2 1/2"	10	8"
E945L	E945LX	3"	10	8"
E945M	E945MX	3 1/2"	5	8"
E945N	E945NX	4"	5	8"
E945P	E945PX	5"	1	8"
E945R	E945RX	6"	1	8"



EXPANSION JOINT DETAIL

NO SCALE

1

TYPICAL UNDERGROUND TRENCH DETAIL

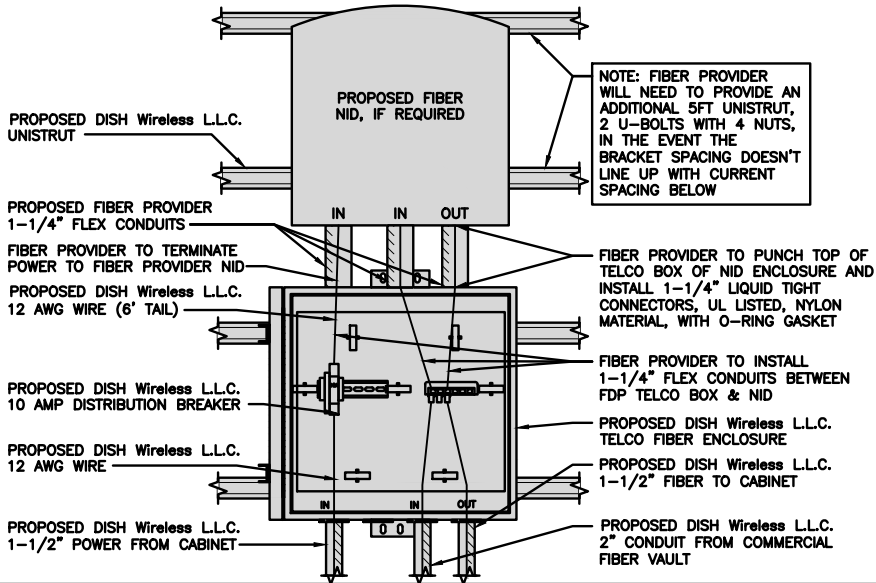
NO SCALE

2

DARK TELCO BOX – INTERIOR WIRING LAYOUT

NO SCALE

3



LIT TELCO BOX – INTERIOR WIRING LAYOUT (OPTIONAL)

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

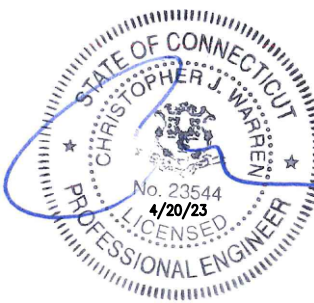
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RFDS REV #: N/A

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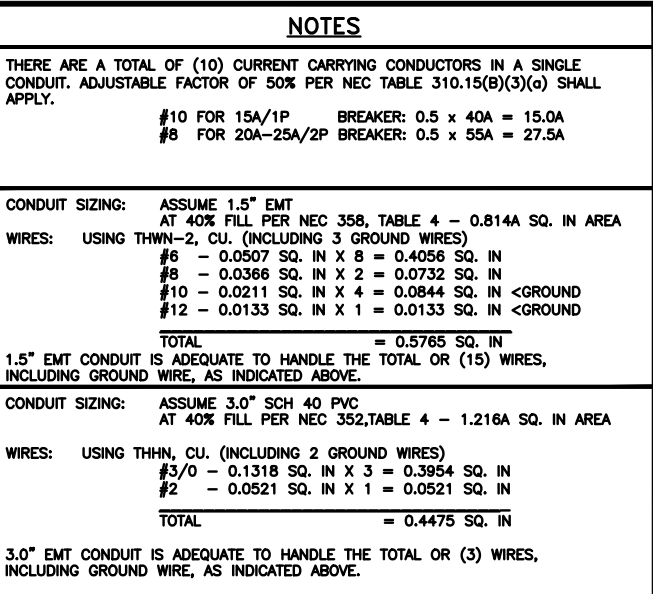
DISH Wireless L.L.C.  
PROJECT INFORMATION

BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
ELECTRICAL/FIBER  
DETAILS

SHEET NUMBER

**E-2**



NO SCALE | 1

**NO SCALE**

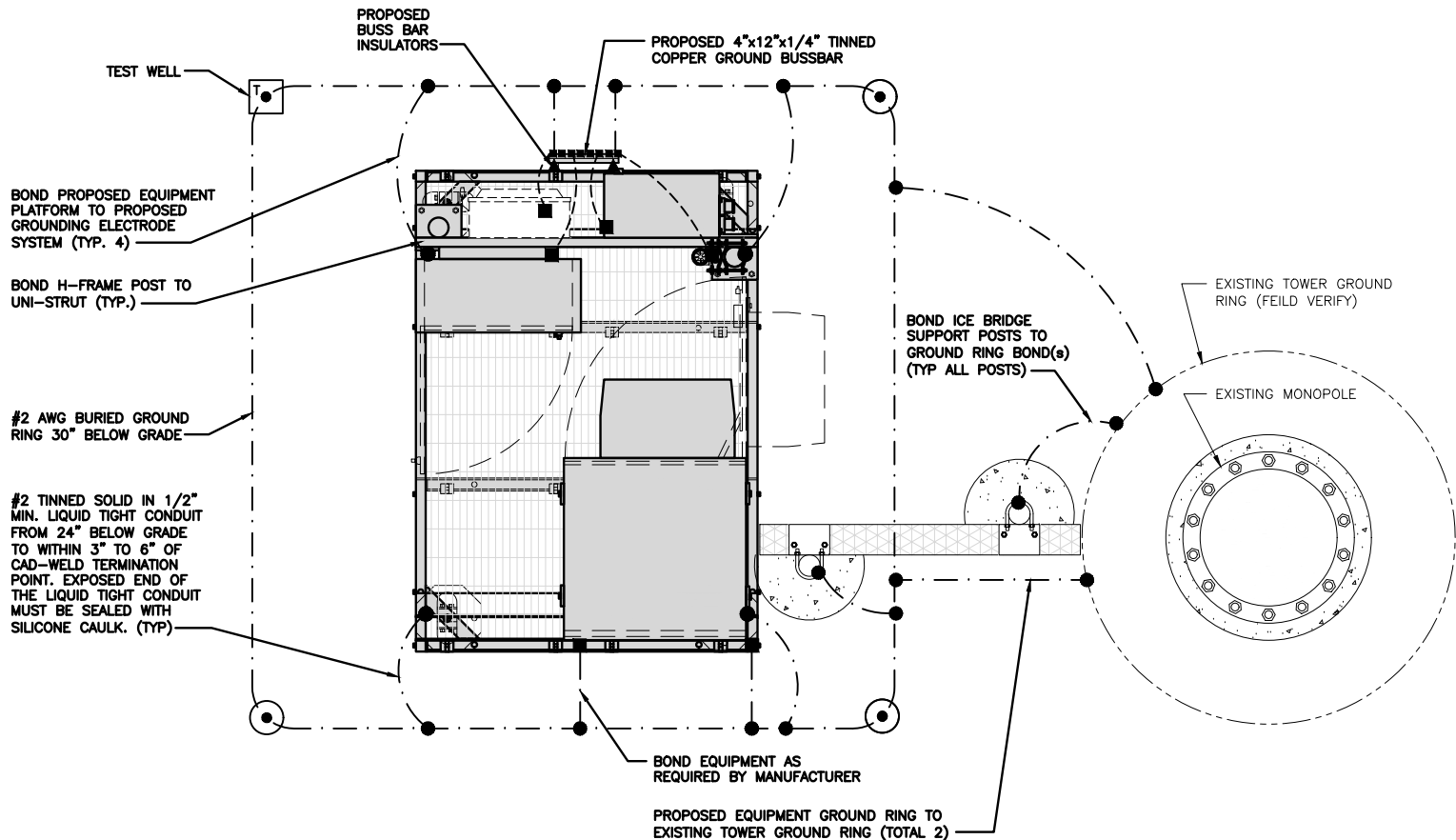
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NO SCALE | 4



**NOT USED**





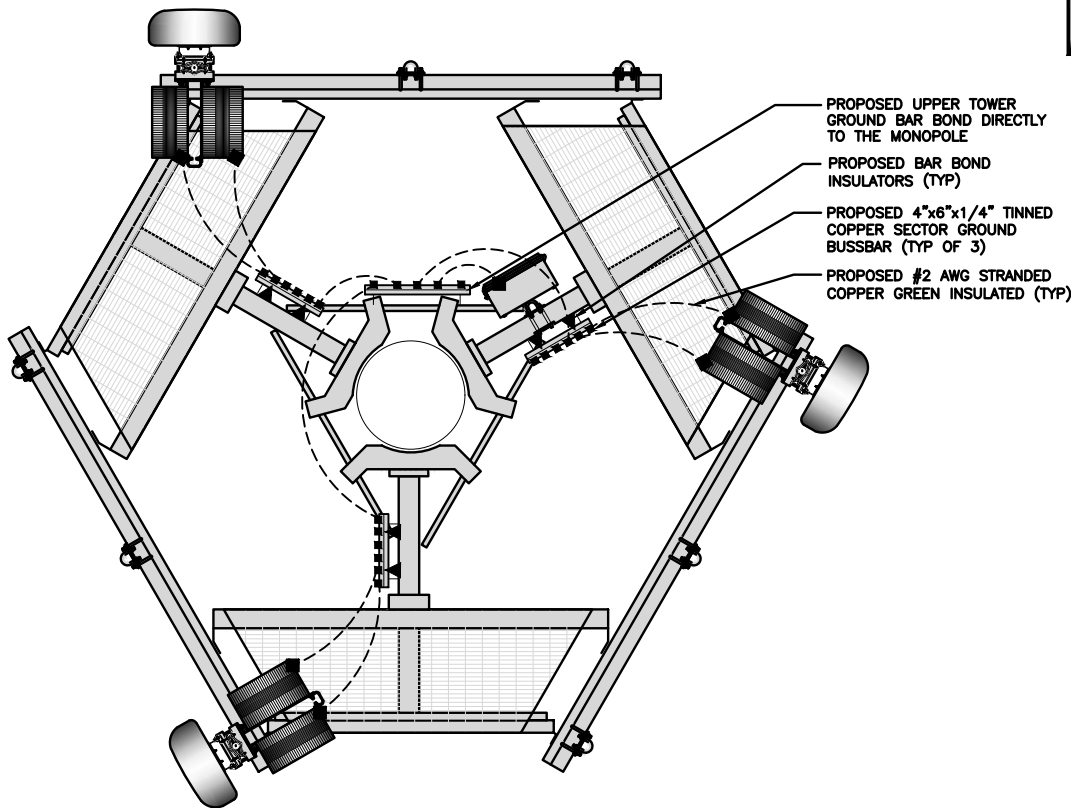
TYPICAL EQUIPMENT GROUNDING PLAN

NO SCALE

1

NOTES

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



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE

2

- EXOTHERMIC CONNECTION  
■ MECHANICAL CONNECTION  
— #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

NO SCALE

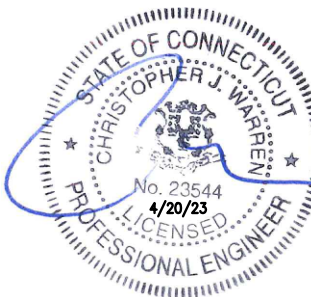
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RCD PT CJW

RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
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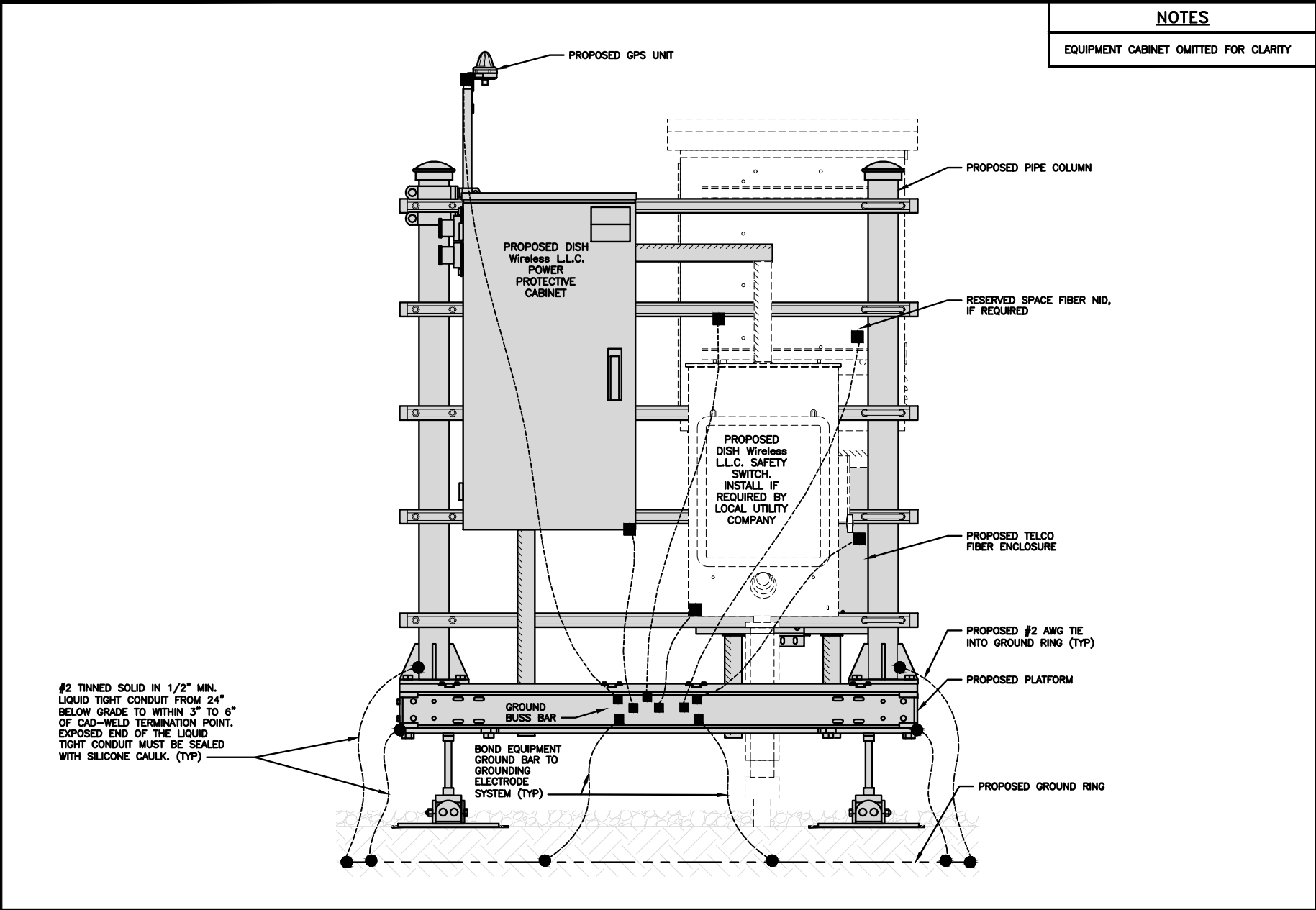
A&E PROJECT NUMBER  
1197-F0001-C

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

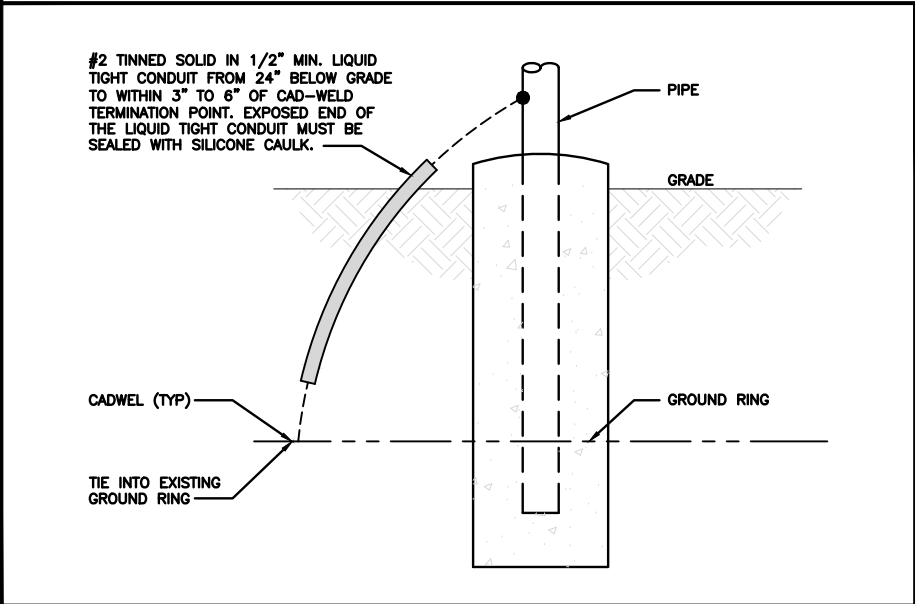
SHEET TITLE  
GROUNDING PLANS  
AND NOTES

SHEET NUMBER

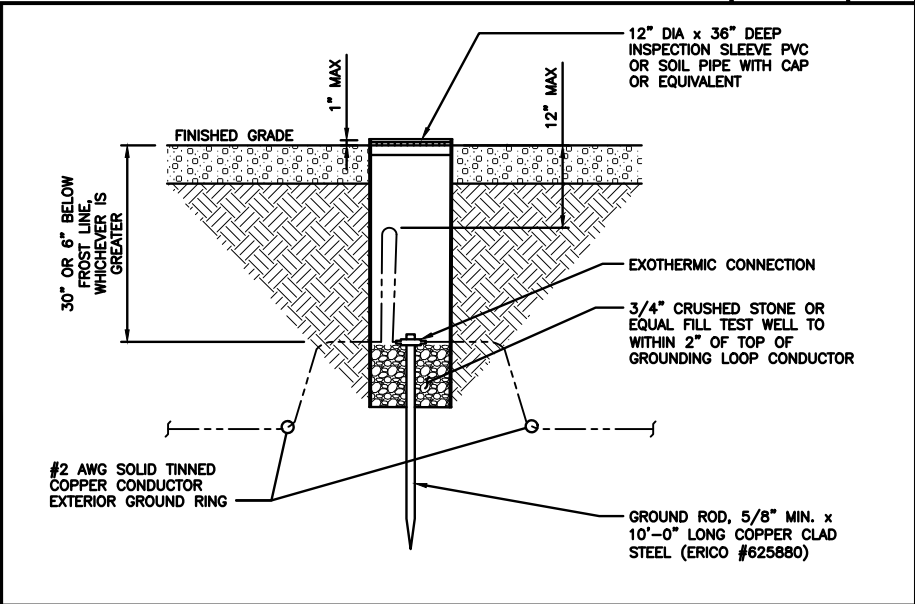
G-1



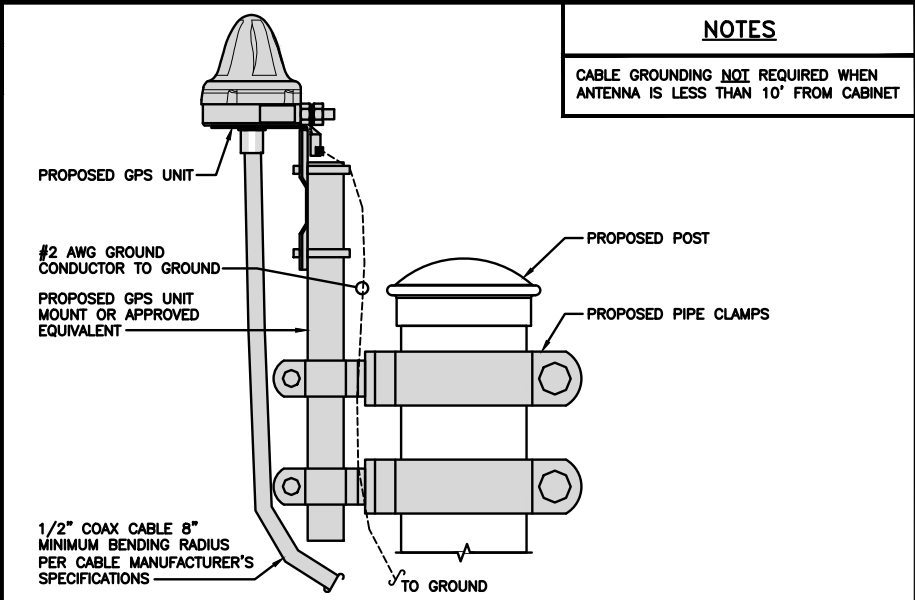
**H-FRAME GROUNDING DETAIL** NO SCALE 1



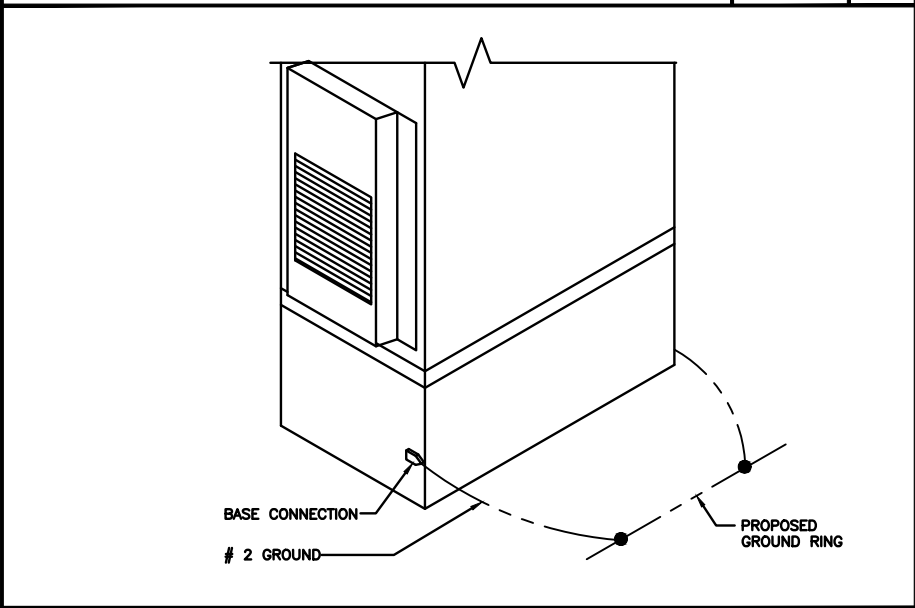
**TRANSITIONING GROUND DETAIL** NO SCALE 4



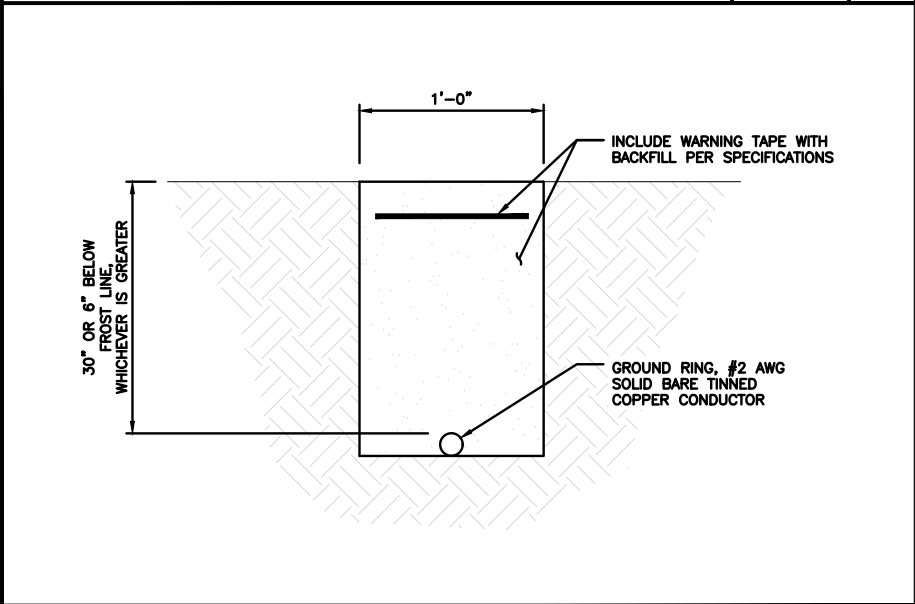
**TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE** NO SCALE 5



**TYPICAL GPS UNIT GROUNDING** NO SCALE 2



**OUTDOOR CABINET GROUNDING** NO SCALE 3



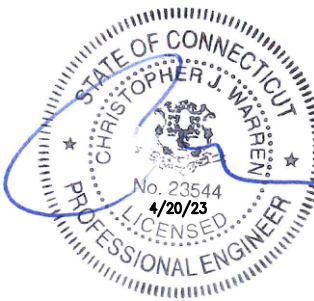
**TYPICAL GROUND RING TRENCH** NO SCALE 6

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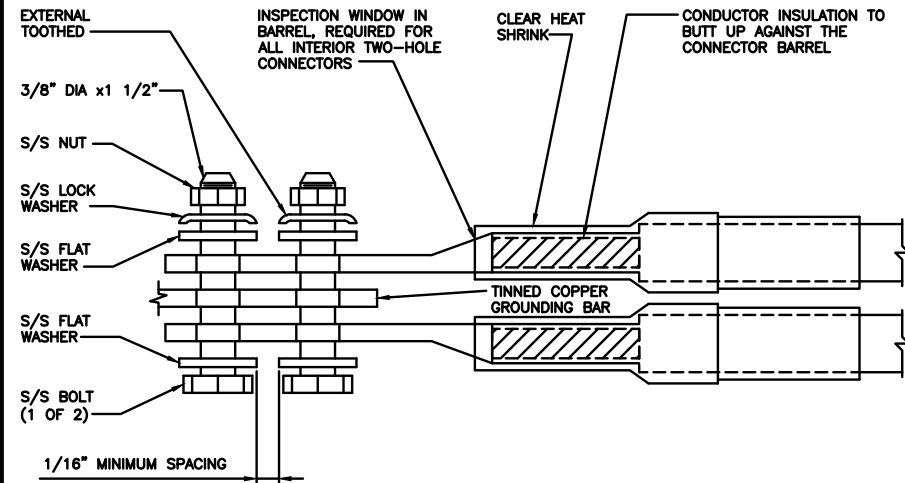
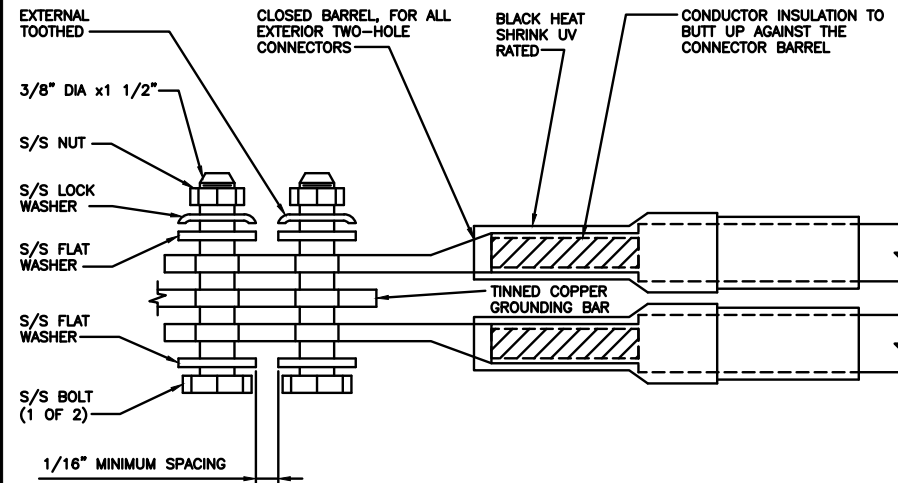
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SHEET TITLE  
GROUNDING DETAILS

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

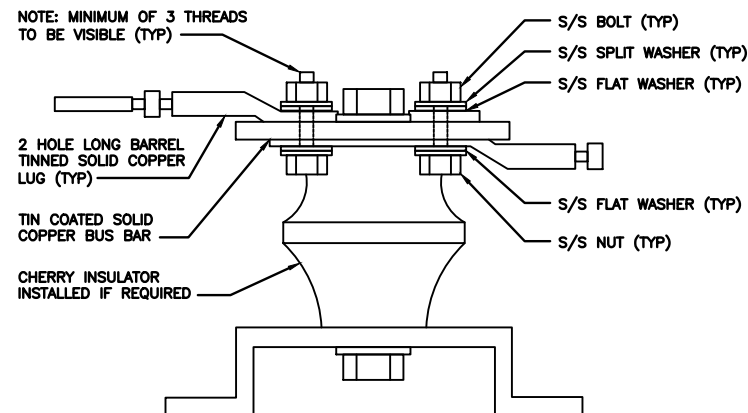
NO SCALE

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

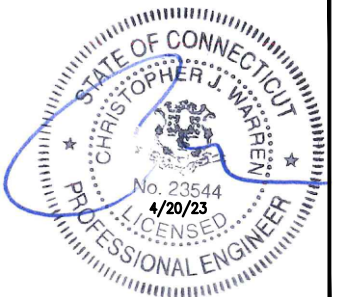
9



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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

NOT USED

NO SCALE

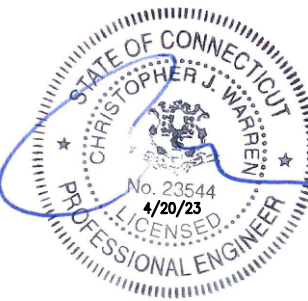
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DISH Wireless L.L.C.  
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BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

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: \_\_\_\_\_

dish

THIS SIGN IS FOR REFERENCE PURPOSES ONLY

## CAUTION



Transmitting Antenna(s)

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dish

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## WARNING



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dish

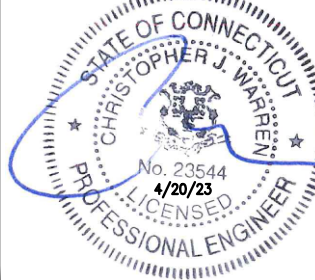
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BOBDL00114A  
35 WILDWOOD STREET  
NEW BRITAIN, CT 6051

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

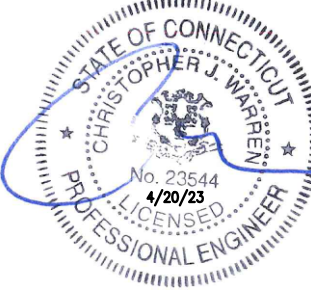


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RCD	PT	CJW

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.



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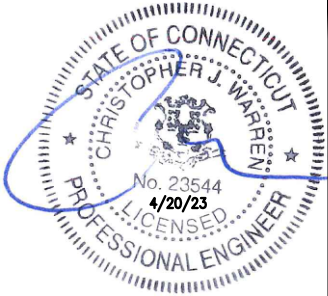


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RCD	PT	CJW

RFDS REV #: N/A

CONSTRUCTION  
DOCUMENTS

SUBMITTALS		
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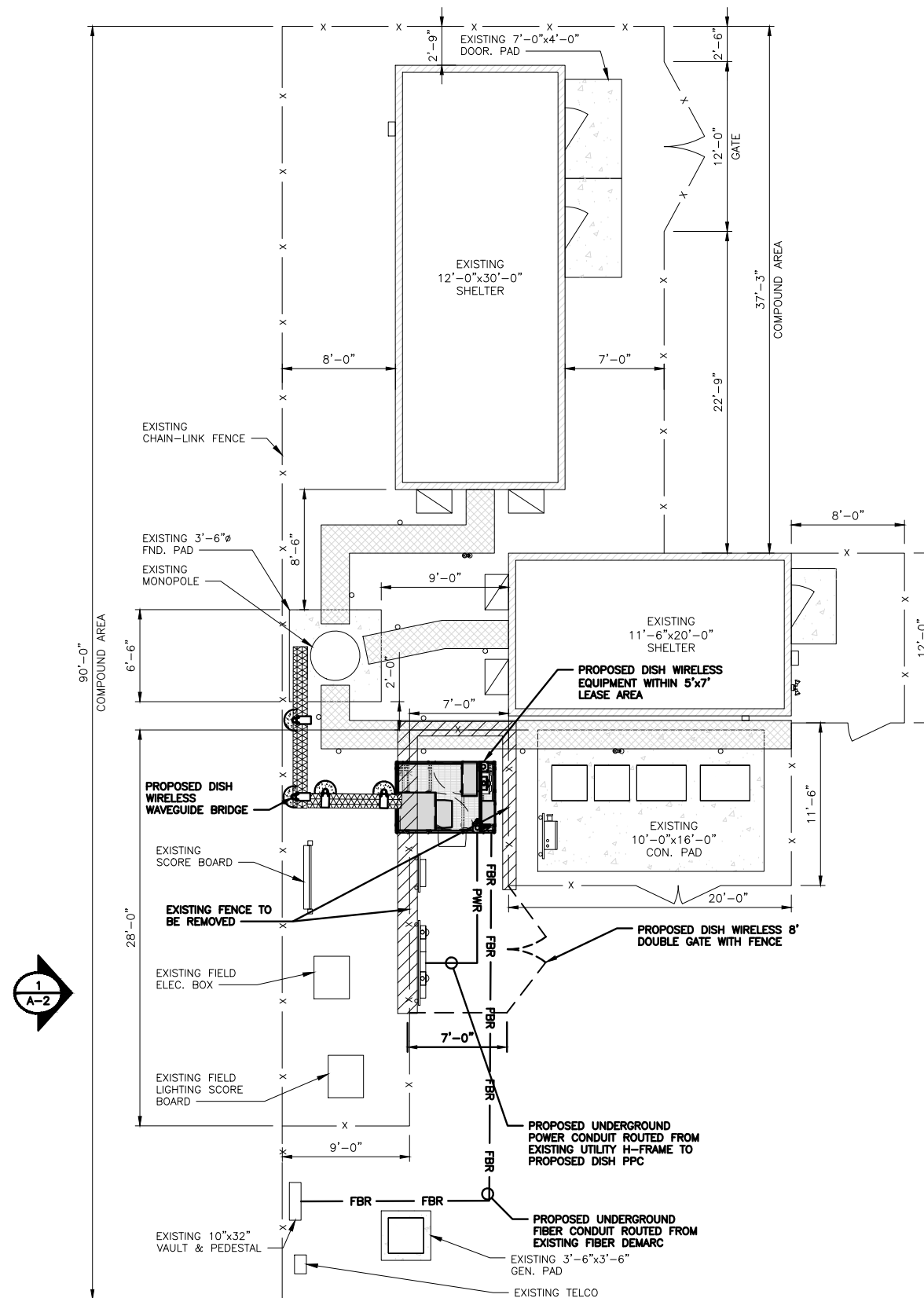
A&E PROJECT NUMBER  
1197–F0001–C

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

SHEET TITLE  
GENERAL NOTES

SHEET NUMBER  
GN-5





## NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



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RCD	SS	CJW
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RFDS REV #: N/A

LEASE EXHIBIT

## SUBMITTALS

REV	DATE	DESCRIPTION
A	05/20/2021	ISSUED FOR REVIEW
B	06/02/2021	REVISED PER COMMENTS
C	12/20/2022	REVISED EQUIP. LOCATION
D	02/02/2023	REVISED EQUIP. LOCATION

A&E PROJECT NUMBER  
2039-Z5555C

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

SHEET TITLE  
OVERALL  
SITE PLAN

SHEET NUMBER

**A-1**



6' 4' 2' 0 5' 10'

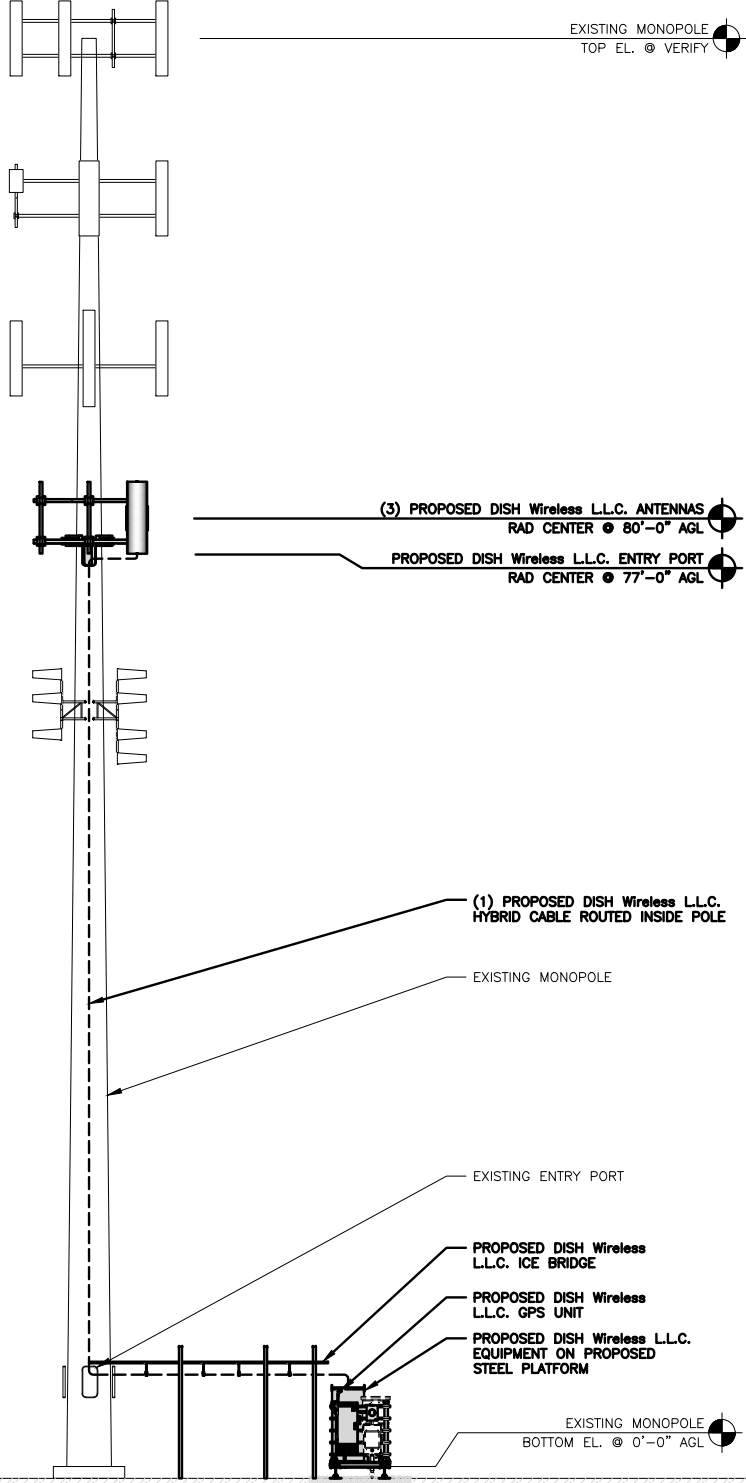
$\frac{3}{16}'' = 1'-0''$

- NOTES
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

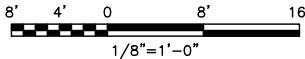
2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS

3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.

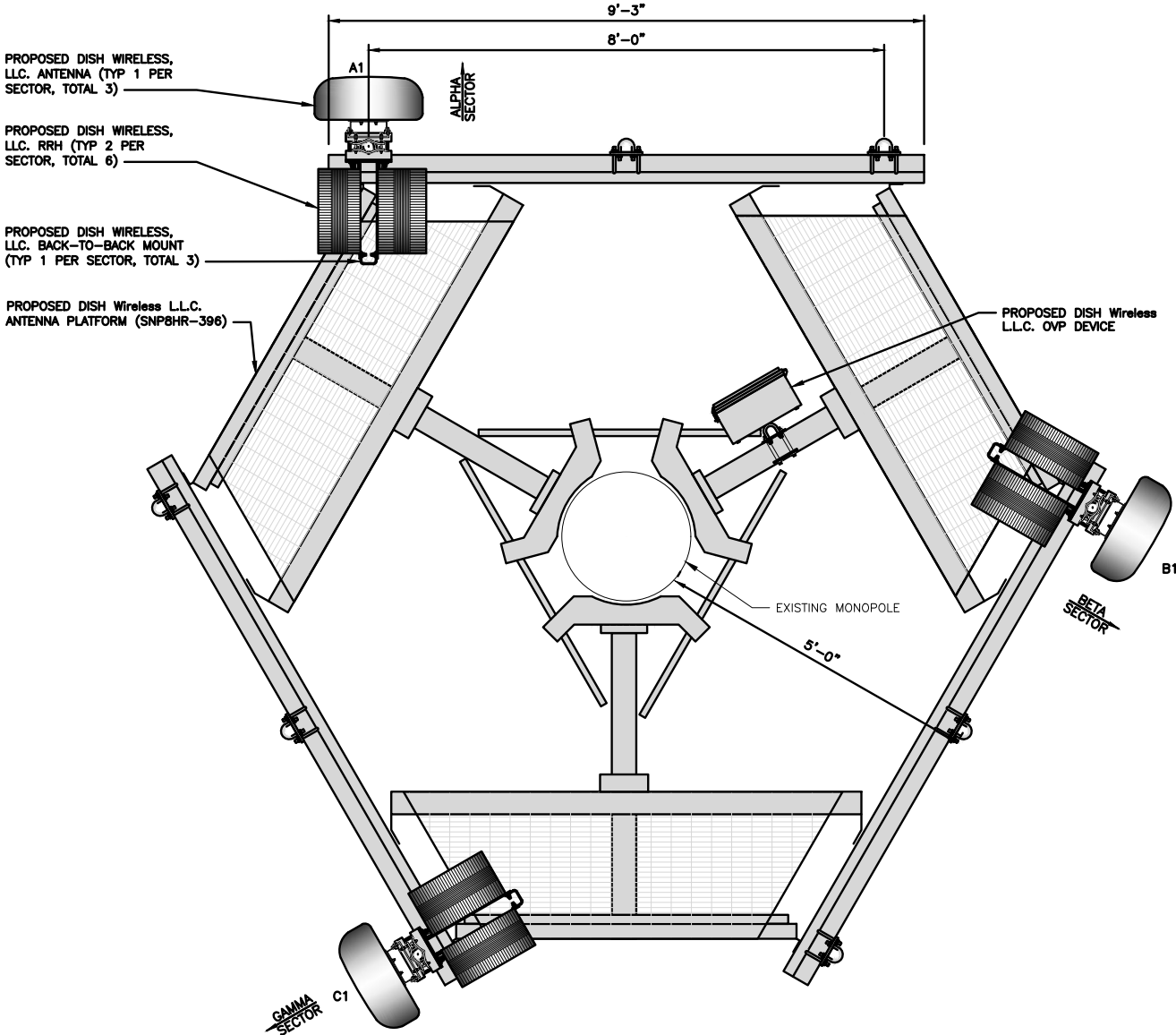
4. INFINIGY HAS NOT EVALUATED THE TOWER OR MOUNT STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR THEIR STRUCTURAL INTEGRITY REGARDING PROPOSED LOADINGS. FINAL INSTALLATION SHALL COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSES PERFORMED BY OTHERS.



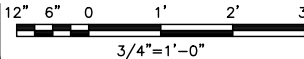
PROPOSED NORTHWEST ELEVATION



1



ANTENNA LAYOUT



2



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RFDS REV #: N/A

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A&E PROJECT NUMBER  
2039-Z5555C

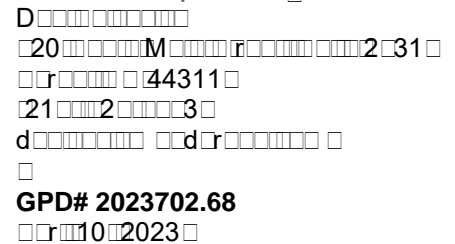
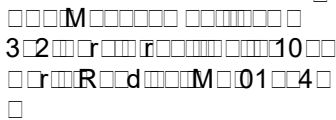
DISH Wireless L.L.C.  
PROJECT INFORMATION  
BOBDL00114A  
WILDWOOD STREET  
NEW BRITAIN, CT 6051

SHEET TITLE  
ELEVATION & ANTENNA  
LAYOUT

SHEET NUMBER  
A-2



## **ATTACHMENT 6**



SUMMARY & RESULTS

The proposed feedlines shall be installed as shown in Appendices A & B for the analysis results to be valid.

TOWER SUMMARY AND RESULTS

Member	Capacity	Results
M	33	
R	33	
	43	
	1	

RECOMMENDATIONS

ANALYSIS METHOD

DOCUMENTS PROVIDED

Document	Remarks	Source
	D	M
	2002	
	2022 03 2	
	2022 01 1	

ASSUMPTIONS

- 1
- 2
- 3
- 4
- 10

DISCLAIMER OF WARRANTIES

1. The undersigned hereby disclaims any and all warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose, and non-infringement, in connection with the sale of the undersigned's products and services.

2. The undersigned disclaims any and all warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose, and non-infringement, in connection with the sale of the undersigned's products and services.

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4. The undersigned disclaims any and all warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose, and non-infringement, in connection with the sale of the undersigned's products and services.

It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, and to take appropriate action to remove the ice.

5. The undersigned disclaims any and all warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose, and non-infringement, in connection with the sale of the undersigned's products and services.

6. The undersigned disclaims any and all warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose, and non-infringement, in connection with the sale of the undersigned's products and services.

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8. The undersigned disclaims any and all warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose, and non-infringement, in connection with the sale of the undersigned's products and services.

## APPENDIX A

Tower Analysis Summary Form

General Info

Address	New Britain Wildwood Street
City	CT-1341
Date	4/10/2023
Drawn By	GPD

The information contained in this summary report is not to be used independently from the PE stamped tower analysis.

Tower Info	Description	Date
MP	MP	
110'	110'	
Penn Summit	Penn Summit	
n/a	n/a	
PJF Job #: 29205-0027	PJF Job #: 29205-0027	4/2/2000
n/a	n/a	
n/a	n/a	
GPD Job #: 2022703.26	GPD Job #: 2022703.26	1/14/2022
n/a	n/a	
GPD Job #: 2022701.69 Rev 1	GPD Job #: 2022701.69 Rev 1	3/23/2023

Design Parameters	
TIA-222-H & 2022 Connecticut State Building Code	
Hartford, CT	
118 (3-second gust)	
1.5	
II	
C	
1	

Analysis Results (% Maximum Usage)	
Existing/Reserved + Future + Proposed Condition	
93.3%	
94.6%	
81.9%	
Foundation Adequate?	

Existing / Reserved Loading

Existing / Reserved Loading								M		Existing / Reserved Loading			
Carrier	M	W	H	Panel	M	M	W	Carrier	M	W	H	Panel	M
AT&T Mobility	110	114	3	Panel	CCI	DMP65R-BU6DA	30/150/270	1	Unknown	LP Platform w/ Rails	6	Unknown	1-5/8"
AT&T Mobility	110	114	3	Panel	Quintel	QD6616-7	30/150/270	1	Site Pro 1	PRK-1245	7	DC Power	3/4"
AT&T Mobility	110	114	3	Panel	Ericsson	AIR6419/ Air6449 stacked	30/150/270			on the same mount	3	Fiber Cable	1/2"
AT&T Mobility	110	114	3	RRU	Ericsson	4415				on the same mount	4	Conduit	2"
AT&T Mobility	110	114	3	RRU	Ericsson	4449				on the same mount			
AT&T Mobility	110	114	3	RRU	Ericsson	4478				on the same mount			
AT&T Mobility	110	114	3	RRU	Ericsson	4426				on the same mount			
AT&T Mobility	110	114	3	RRU	Ericsson	RRUS-32				on the same mount			
AT&T Mobility	110	114	1	Surge	Raycap	DC9-48-60-24-8C-EV				on the same mount			
AT&T Mobility	110	114	2	Surge	Raycap	DC6-48-60-18-8F				Tower Mounted			
T-Mobile	97	100	3	TMA	RFS	1412D-1S20	60/160/310	1	Unknown	Platform w/ Rails	1	Hybrid	1-5/8"
T-Mobile	97	100	3	Panel	RFS	APXVARR24_43 C-NA20	60/160/310			on the same mount	6	Unknown	1-5/8"
T-Mobile	97	100	3	Panel	Ericsson	AIR 32 B66AaB2a				on the same mount	3	Hybrid	1-1/4"
T-Mobile	97	100	3	RRU	Ericsson	4449-B12+71				on the same mount	2	Hybrid	7/8"
Verizon	90	90	6	Panel	Commscope	NHH-65B-R2B	60/170/300	3	Unknown	T-Arms	2	Hybrid	1-1/4"
Verizon	90	90	3	Panel	Samsung	MT6407-77A	60/170/300	3	Commscope	BSAMNT-SBS-1-2	6	Unknown	1-5/8"
Verizon	90	90	3	RRH	Samsung	B2/B66A				on the same mount	12	Unknown	1-5/8"
Verizon	90	90	3	RRH	Samsung	B5/B66A				on the same mount			
Verizon	90	90	3	Panel	Antel	BXA-80063	60/170/300			on the same mount			
Verizon	90	90	1	Surge	Raycap	DC6-48-60-18-8F				on the same mount			
Township	60	60	9	Lights	Unknown	2' Diameter Stadium Lights		1	Unknown	Stadium Light Rack			

Proposed Loading

Proposed Loading								M		Proposed Loading			
Carrier	M	W	H	Panel	M	M	W	Carrier	M	W	H	Panel	M
DISH	80	80	3	Panel	JMA	MX08FR0665-21	0/120/240	1	Site Pro 1	SNP8HR-396	1	Unknown	1.411"
DISH	80	80	3	RRU	Fujitsu	TA08025-B605				on the same mount			
DISH	80	80	3	RRU	Fujitsu	TA08025-B604				on the same mount			
DISH	80	80	1	Surge	Raycap	RDIDC-9181-PF-48				on the same mount			

## APPENDIX B



## MATERIAL STRENGTH

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 118 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 93.3%

ALL REACTIONS ARE FACTORED

Diagram illustrating the factored reactions for a 50 mph wind and 1.5000 in ICE. The reactions are:


- AXIAL: 70 K
- SHEAR: 8 K
- MOMENT: 693 kip-ft
- TORQUE: 1 kip-ft

50 mph WIND - 1.5000 in ICE

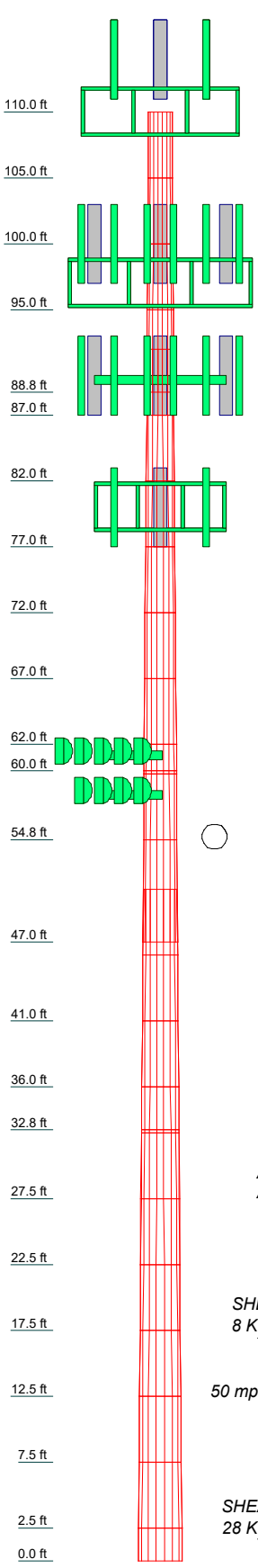
Diagram illustrating the factored reactions for a 118 mph wind. The reactions are:

- AXIAL: 37 K
- SHEAR: 28 K
- MOMENT: 2414 kip-ft
- TORQUE: 5 kip-ft

REACTIONS - 118 mph WIND

 <p><b>GPD</b> 520 South Main Street Suite 2531 Akron, Ohio 44311 Phone: (330) 572-2100 FAX: (330) 572-2101</p>	<b>Job: (CT-1341) NEW BRITAIN WILDWOOD STREET</b>		
	<b>Project: 2023702.68</b>		
	<b>Client:</b> BST Management, LLC.	<b>Drawn by:</b> mmoeller	<b>App'd:</b>
	<b>Code:</b> TIA-222-H	<b>Date:</b> 04/10/23	<b>Scale:</b> NTS
	<b>Path:</b>		<b>Dwg No. E-1</b>

Section	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Length (ft)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.50
Number of Sides	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Thickness (in)	0.1875	0.1875	0.1875	0.1875	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.4625	0.4562	0.3125	0.3125	0.3125	0.3125	0.6375	0.6375	0.6250	0.6125	0.6125	0.6000	0.6000	
Socket Length (ft)	3.25										4.00															
Top Dia (in)	21.0000	21.9000	22.8000	23.7000	24.76793	25.6700	26.5725	27.4750	28.3775	29.2800	30.1825	31.0850	31.9875	32.8900	33.7925	34.6950	35.5975	36.5000	37.4025	38.3050	39.2075	40.1100	41.0125	41.9150	42.8175	43.7200
Bot Dia (in)	21.9000	22.8000	23.7000	24.8250	25.670024	26.5725	27.4750	28.3775	29.2800	30.1825	31.0850	31.9875	32.8900	33.7925	34.6950	35.5975	36.5000	37.4025	38.3050	39.2075	40.1100	41.0125	41.9150	42.8175	43.7200	44.6225
Grade	A572-65																									
Weight (K)	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Platform w/ Handrails Kickers [LP 1201-1_KCKR-HR-1]	110	RRUS 4449-B12+71	97
Pipe Mount 6"x2.375"	110	RRUS 4449-B12+71	97
Pipe Mount 6"x2.375"	110	RRUS 4449-B12+71	97
Pipe Mount 6"x2.375"	110	T-Arm Mount [TA 601-3]	90
DMP65R-BU6DA w/ Mount Pipe	110	BSAMNT-SBS-1-2	90
DMP65R-BU6DA w/ Mount Pipe	110	BSAMNT-SBS-1-2	90
DMP65R-BU6DA w/ Mount Pipe	110	BSAMNT-SBS-1-2	90
QD6616-7 w/ Mount Pipe	110	BXA-80063 w/ mount pipe	90
QD6616-7 w/ Mount Pipe	110	BXA-80063 w/ mount pipe	90
QD6616-7 w/ Mount Pipe	110	BXA-80063 w/ mount pipe	90
AIR6449	110	(2) NHH-65B-R2B w/ Mount Pipe	90
AIR6449	110	(2) NHH-65B-R2B w/ Mount Pipe	90
AIR6449	110	(2) NHH-65B-R2B w/ Mount Pipe	90
AIR6419 w/ Mount Pipe	110	MT6407-77A w/ Mount Pipe	90
AIR6419 w/ Mount Pipe	110	MT6407-77A w/ Mount Pipe	90
AIR6419 w/ Mount Pipe	110	MT6407-77A w/ Mount Pipe	90
4478	110	B2/B66A RRH	90
4478	110	B2/B66A RRH	90
4478	110	B2/B66A RRH	90
4478	110	B5/B66A RRH	90
4426	110	B5/B66A RRH	90
4426	110	B5/B66A RRH	90
4426	110	DC6-48-60-18-8F Surge Suppression Unit	90 - 89
RRUS-32	110	SNP8HR-396	80
RRUS-32	110	(2) 8' x 2" Mount Pipe	80
RRUS-32	110	(2) 8' x 2" Mount Pipe	80
4415	110	(2) 8' x 2" Mount Pipe	80
4415	110	(2) 8' x 2" Mount Pipe	80
4415	110	MX08FRO665-21 w/ Mount Pipe	80
4449	110	MX08FRO665-21 w/ Mount Pipe	80
4449	110	MX08FRO665-21 w/ Mount Pipe	80
4449	110	TA08025-B604	80
DC9-48-60-24-8C-EV	110	TA08025-B604	80
DC6-48-60-18-8F Surge Suppression Unit	110	TA08025-B604	80
DC6-48-60-18-8F Surge Suppression Unit	110	TA08025-B605	80
DC6-48-60-18-8F Surge Suppression Unit	110	TA08025-B605	80
Platform w/ Handrails [LP 304-1_HR-1]	97	TA08025-B605	80
1412D-1S20	97	RDIDC-9181-PF-48	80
1412D-1S20	97	12' T-Arm - Round (GPD)	60
1412D-1S20	97	10' T-Arm - Round (GPD)	60
AIR32 B66Aa/B2A w/ 60" Mount Pipe	97	Stadium Light (2')	60
AIR32 B66Aa/B2A w/ 60" Mount Pipe	97	Stadium Light (2')	60
AIR32 B66Aa/B2A w/ 60" Mount Pipe	97	Stadium Light (2')	60
APXVARR24_43 C-NA20 w/ Mount Pipe	97	Stadium Light (2')	60
APXVARR24_43 C-NA20 w/ Mount Pipe	97	Stadium Light (2')	60
APXVARR24_43 C-NA20 w/ Mount Pipe	97	Stadium Light (2')	60
APXVARR24_43 C-NA20 w/ Mount Pipe	97	Stadium Light (2')	60
APXVARR24_43 C-NA20 w/ Mount Pipe	97	Stadium Light (2')	60
APXVARR24_43 C-NA20 w/ Mount Pipe	97	Stadium Light (2')	60

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

ALL REACTIONS ARE FACTORED

AXIAL 70 K

SHEAR 8 K

TORQUE 1 kip-ft

50 mph WIND - 1.5000

AXIAL 37 K

SHEAR 28 K

MOMENT 2414 kip-ft

TORQUE 5 kip-ft

REACTIONS - 118 mph WIND

- Tower is located in Hartford County, Connecticut.
- Tower designed for Exposure C to the TIA-222-H Standard.
- Tower designed for a 118 mph basic wind in accordance with the TIA-222-H Standard.
- Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
- Deflections are based upon a 60 mph wind.
- Tower Risk Category II.
- Topographic Category 1 with Crest Height of 0.00 ft
- TOWER RATING: 93.3%

<b>tnxTower</b>  <b>GPD</b> 520 South Main Street Suite 2531 Akron, Ohio 44311 Phone: (330) 572-2100 FAX: (330) 572-2101	<b>Job</b> <input type="checkbox"/> 1341 R D D R	<b>Page</b> <input type="checkbox"/> 1 of 31
	<b>Project</b> 2023-02	<b>Date</b> 12/31/2023
	<b>Client</b> M	<b>Designed by</b> r

## Tower Input Data ☐

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- ☐ Tower is located in Hartford County, Connecticut.
- ☐ Tower base elevation above sea level: 56.00 ft.
- ☐ Basic wind speed of 118 mph.
- ☐ Risk Category II.
- ☐ Exposure Category C.
- ☐ Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- ☐ Topographic Category: 1.
- ☐ Crest Height: 0.00 ft.
- ☐ Nominal ice thickness of 1.5000 in.
- ☐ Ice thickness is considered to increase with height.
- ☐ Ice density of 56 pcf.
- ☐ A wind speed of 50 mph is used in combination with ice.
- ☐ Temperature drop of 50 °F.
- ☐ Deflections calculated using a wind speed of 60 mph.
- ☐ A non-linear (P-delta) analysis was used.
- ☐ Pressures are calculated at each section.
- ☐ Stress ratio used in pole design is 1.
- ☐ Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options ☐

- |  |   |  |
|--|---|--|
| Consider Moments - Legs<br>Consider Moments - Horizontals<br>Consider Moments - Diagonals<br>Use Moment Magnification<br><input checked="" type="checkbox"/> Use Code Stress Ratios<br><input checked="" type="checkbox"/> Use Code Safety Factors - Guys<br>Escalate Ice<br>Always Use Max Kz<br>Use Special Wind Profile<br>Include Bolts In Member Capacity<br>Leg Bolts Are At Top Of Section<br>Secondary Horizontal Braces Leg<br>Use Diamond Inner Bracing (4 Sided)<br>SR Members Have Cut Ends<br>SR Members Are Concentric | Distribute Leg Loads As Uniform<br>Assume Legs Pinned<br><input checked="" type="checkbox"/> Assume Rigid Index Plate<br><input checked="" type="checkbox"/> Use Clear Spans For Wind Area<br><input checked="" type="checkbox"/> Use Clear Spans For KL/r<br><input checked="" type="checkbox"/> Retension Guys To Initial Tension<br><input checked="" type="checkbox"/> Bypass Mast Stability Checks<br><input checked="" type="checkbox"/> Use Azimuth Dish Coefficients<br><input checked="" type="checkbox"/> Project Wind Area of Appurt.<br>Autocalc Torque Arm Areas<br>Add IBC .6D+W Combination<br><input checked="" type="checkbox"/> Sort Capacity Reports By Component<br>Triangulate Diamond Inner Bracing<br>Treat Feed Line Bundles As Cylinder<br>Ignore KL/ry For 60 Deg. Angle Legs | Use ASCE 10 X-Brace Ly Rules<br>Calculate Redundant Bracing Forces<br>Ignore Redundant Members in FEA<br>SR Leg Bolts Resist Compression<br>All Leg Panels Have Same Allowable<br>Offset Girt At Foundation<br><input checked="" type="checkbox"/> Consider Feed Line Torque<br>Include Angle Block Shear Check<br>Use TIA-222-H Bracing Resist. Exemption<br>Use TIA-222-H Tension Splice Exemption<br><b>Poles</b><br><input checked="" type="checkbox"/> Include Shear-Torsion Interaction<br>Always Use Sub-Critical Flow<br>Use Top Mounted Sockets<br>Pole Without Linear Attachments<br>Pole With Shroud Or No Appurtenances<br>Outside and Inside Corner Radii Are Known |
|--|---|--|

## Tapered Pole Section Geometry ☐

Section	Elevation	Section	Splice	Number	Top	Bottom	Wall	Bend	Pole Grade
	ft	Length	Length	of	Diameter	Diameter	Thickness	Radius	
		ft	ft	Sides	in	in	in	in	

tnxTower

GPD

520 South Main Street Suite 2531

Akron, Ohio 44311

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Job

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Project

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Client

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Date

12/31/2023

Designed by

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	Kl/r	A in <sup>2</sup>	P <sub>u</sub> K	φP <sub>n</sub> K	Ratio $\frac{P_u}{\phi P_n}$
L18	39 - 38	TP34.045x33.4609x0.3125	3.25	0.00	0.0	32.5226	-25.26	1902.57	0.013
	38 - 37					32.7009	-25.47	1913.00	0.013
	37 - 36					32.8791	-25.68	1923.43	0.013
	36 - 34.9167					33.0722	-25.92	1934.72	0.013
	34.9167 - 33.8333					33.2653	-26.15	1946.02	0.013
L19	33.8333 - 32.75	TP34.0899x34.045x0.65	0.25	0.00	0.0	33.4584	-26.39	1957.32	0.013
	32.75 - 32.5					68.9898	-26.49	4035.90	0.007
	(19)					68.0520	-26.81	3981.04	0.007
	32.5 - 31.5					68.4156	-27.14	4002.31	0.007
	31.5 - 30.5					68.7792	-27.47	4023.58	0.007
L20	30.5 - 29.5	TP34.9884x34.0899x0.6375	5.00	0.00	0.0	69.1428	-27.80	4044.85	0.007
	29.5 - 28.5					69.5064	-28.13	4066.12	0.007
	28.5 - 27.5					69.8700	-28.47	4087.39	0.007
	27.5 - 26.5					70.2336	-28.80	4108.66	0.007
	26.5 - 25.5					70.5972	-29.14	4129.94	0.007
L21	25.5 - 24.5	TP35.8868x34.9884x0.6375	5.00	0.00	0.0	70.9608	-29.47	4151.21	0.007
	24.5 - 23.5					71.3244	-29.81	4172.48	0.007
	23.5 - 22.5					71.6880	-30.15	4193.75	0.007
	22.5 - 21.5					72.0516	-30.49	4215.02	0.007
	21.5 - 20.5					72.4152	-30.83	4236.29	0.007
L22	20.5 - 19.5	TP36.7853x35.8868x0.625	5.00	0.00	0.0	72.7788	-31.17	4257.56	0.007
	19.5 - 18.5					73.1424	-31.51	4278.83	0.007
	18.5 - 17.5					73.5060	-31.85	4299.10	0.008
	17.5 - 16.5					73.8696	-32.19	4319.37	0.008
	16.5 - 15.5					74.2332	-32.54	4339.64	0.008
L23	15.5 - 14.5	TP37.6838x36.7853x0.6125	5.00	0.00	0.0	74.5968	-32.89	4359.91	0.008
	14.5 - 13.5					74.9604	-33.23	4380.18	0.008
	13.5 - 12.5					75.3240	-33.57	4400.45	0.008
	12.5 - 11.5					75.6876	-33.92	4420.72	0.008
	11.5 - 10.5					76.0512	-34.26	4440.99	0.008
L24	10.5 - 9.5	TP38.5823x37.6838x0.6125	5.00	0.00	0.0	76.4148	-34.61	4461.26	0.008
	9.5 - 8.5					76.7784	-34.96	4481.53	0.008
	8.5 - 7.5					77.1420	-35.30	4501.80	0.008
	7.5 - 6.5					77.5056	-35.65	4522.07	0.008
	6.5 - 5.5					77.8692	-35.99	4542.34	0.008
L25	5.5 - 4.5	TP39.4808x38.5823x0.6	5.00	0.00	0.0	78.2328	-36.34	4562.61	0.008
	4.5 - 3.5					78.5964	-36.69	4582.88	0.008
	3.5 - 2.5					78.9600	-37.03	4603.15	0.008
	2.5 - 1.25					79.3236	-37.38	4623.42	0.008
	1.25 - 0					79.6872	-37.72	4643.69	0.008
L26		TP39.93x39.4808x0.6	2.50	0.00	0.0	74.9001	-37.29	4381.65	0.009

Pole Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> kip-ft	φM <sub>ux</sub> kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M <sub>uy</sub> kip-ft	φM <sub>uy</sub> kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
L1	110 - 109	TP21.9x21x0.1875	30.26	383.29	0.079	0.00	383.29	0.000
	109 - 108		38.36	388.94	0.099	0.00	388.94	0.000
	108 - 107		46.52	394.61	0.118	0.00	394.61	0.000
	107 - 106		54.76	400.31	0.137	0.00	400.31	0.000
	106 - 105		63.07	406.02	0.155	0.00	406.02	0.000
L2	105 - 104	TP22.8x21.9x0.1875	71.44	411.77	0.174	0.00	411.77	0.000
	104 - 103		79.89	417.53	0.191	0.00	417.53	0.000
	103 - 102		88.41	423.31	0.209	0.00	423.31	0.000

Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	110	21.25	3.25	18	21	24.825	0.1875	Auto	A572-65
2	92	45	4	18	23.87	31.9875	0.25	Auto	A572-65
3	51	51	0	18	30.77	39.93	0.3125	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	32.75	plate	CCI-SFP-065125	4			x				x					x				x		
2	49	60	plate	CCI-SFP-060100	3			x						x						x			
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in <sup>2</sup> )	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in2)	Bolt Hole Size (in)	Reinforcement Material
1	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
2	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65

# Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
110	10	21	21	0	1
10	100	22	21	0	2
100		23	22	0	3
2		24	2	23	4
2		24	23	0	40
2		2	24	0	4
2		2	3	2	0
2		2	4	2	3
2		2	3	2	4
2		2	2	2	3
2		2	4	1	2
0		2	4	1	2
0		2	4	1	2
4		30	2	0	4
4		31	30	0	4
1		31	4	30	0
4		32	2	31	4
41		33	4	1	32
3		34	0	4	33
32		34	0	4	0
32		34	0	4	0
2		3	34	0	3
22		3	3	0	2
1		3	4	3	0
12		3	2	3	4
2		3	4	1	3
2		3	3	4	1

### Additional Calculations

Section Elevation (ft)	Moment of Inertia (in <sup>4</sup> )			Area (in <sup>2</sup> )			% Capacity		
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2
110 - 105	769	n/a	769	12.92	n/a	12.92	16.4%		
105 - 100	869	n/a	869	13.46	n/a	13.46	25.1%		
100 - 95	977	n/a	977	13.99	n/a	13.99	36.9%		
95 - 92	1046	n/a	1046	14.31	n/a	14.31	43.7%		
92 - 87	1477	n/a	1477	19.45	n/a	19.45	40.4%		
87 - 82	1646	n/a	1646	20.17	n/a	20.17	49.3%		
82 - 77	1828	n/a	1828	20.89	n/a	20.89	59.0%		
77 - 72	2022	n/a	2022	21.60	n/a	21.60	68.2%		
72 - 67	2230	n/a	2230	22.32	n/a	22.32	76.6%		
67 - 62	2452	n/a	2452	23.03	n/a	23.03	84.3%		
62 - 60	2544	n/a	2544	23.32	n/a	23.32	87.3%		
60 - 59.75	2556	2146	4702	23.36	18.00	41.36	47.0%		71.2%
59.75 - 54.75	2798	2273	5071	24.07	18.00	42.07	51.8%		77.5%
54.75 - 51	2990	2370	5360	24.61	18.00	42.61	55.2%		82.0%
51 - 46	3860	n/a	3860	31.10	n/a	31.10	82.6%		
46 - 41	4202	n/a	4202	31.99	n/a	31.99	86.9%		
41 - 36	4563	n/a	4563	32.88	n/a	32.88	90.9%		
36 - 32.75	4808	n/a	4808	33.46	n/a	33.46	93.3%		
32.75 - 32.5	4827	4982	9809	33.50	32.50	66.00	46.0%	68.2%	
32.5 - 27.5	5223	5235	10458	34.39	32.50	66.89	48.4%	71.2%	
27.5 - 22.5	5640	5495	11134	35.28	32.50	67.78	50.7%	74.0%	
22.5 - 17.5	6078	5761	11839	36.18	32.50	68.68	52.9%	76.6%	
17.5 - 12.5	6538	6033	12572	37.07	32.50	69.57	55.1%	79.0%	
12.5 - 7.5	7021	6312	13333	37.96	32.50	70.46	57.2%	81.3%	
7.5 - 2.5	7527	6597	14125	38.85	32.50	71.35	59.1%	83.4%	
2.5 - 0	7789	6742	14532	39.29	32.50	71.79	60.1%	84.4%	

*Note: Section capacity checked using 5 degree increments.*

## APPENDIX C

dd





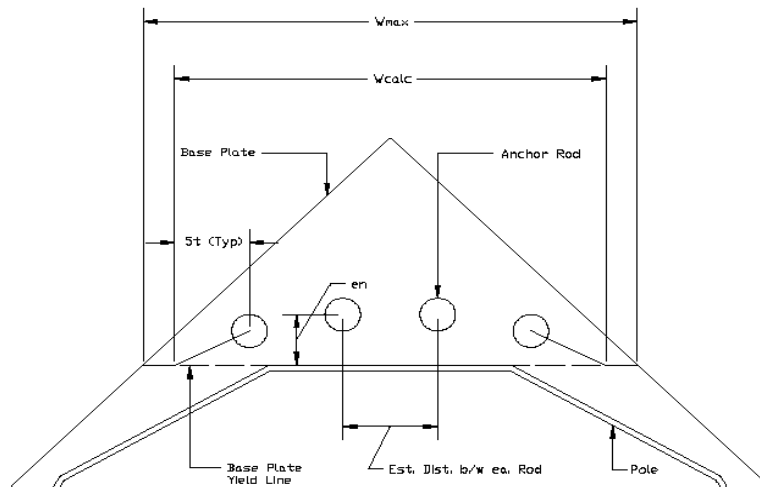
**Anchor Rod and Base Plate Stresses, TIA-222-H-1**  
**New Britain Wildwood Street (CT-1341)**  
**2023702.68**

Design Moment	2414.00	
Design Axial Load	3.00	
Design Shear	2.00	

Material	100	
Design Axial Load	222	1

Anchor Rods		
Design Moment	3.00	
Design Axial Load	12	
Design Shear		
Design Axial Load	100	
Design Moment	4	
Design Axial Load	2.2	
Design Shear	2.2	
Design Moment		
Design Axial Load	20	
Design Moment	212	
Design Axial Load	2.33	
Design Moment	0.00	
Tension Interaction =	71.9%	OK
Compression Interaction =	79.3%	OK

Base Plate		
Design Moment	0	
Design Axial Load	0	
Design Shear	2	
Design Axial Load	4	
Design Moment		
Design Axial Load	3.00	
Design Moment	23.1	
Design Axial Load	23.1	
Design Moment	3.00	
Design Axial Load	1.11	2
Design Moment	1.00	0
Base Plate Capacity =	94.3%	OK



Design Moment

Pier and Pad Foundation

Site # : 1341
Site Name: ...

222 R ...
... M ...

... d R ... D ...
... d ...
R ... d ...

Table with 3 columns: Superstructure Analysis Reactions, values, and units. Rows include P\_comp, M\_u, H, and b\_pdist.

Table with 5 columns: Foundation Analysis Checks, Capacity, Demand, Rating, and Check. Rows include Lateral (Sliding), Bearing Pressure, Overturning, Pier Flexure, Pier Compression, Pad Flexure, Pad Shear, and Flexural 2-way.

Table with 3 columns: Pier Properties, values, and units. Rows include D\_pier, E, S\_c, m\_c, S\_t, m\_t, R, and c\_pier.

Table with 2 columns: values and percentages. Rows show 66.2% and 81.9%.

Table with 3 columns: Pad Properties, values, and units. Rows include D, W\_1, T, Sp\_2, mp\_2, and cc\_pad.

Table with 3 columns: Material Properties, values, and units. Rows include F\_y, F\_c, and delta\_c.

Table with 3 columns: Soil Properties, values, and units. Rows include gamma, mu, Cu, phi, N\_blows, mu, D, R, and gw.

...

CLIENT SITE #: CT-1341

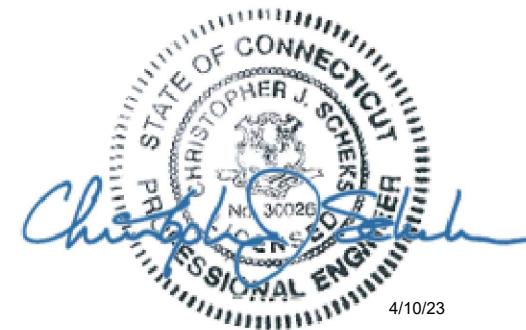


QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM GPD TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTING QUALIFIED ENGINEERING SERVICES PLEASE CONTACT GPD AT GPDMODS@GPDGROUP.COM.

T-01: TITLE SHEET
MI-01: MODIFICATION INSPECTION CHECKLIST
N-01: PROJECT NOTES
S-01: TOWER ELEVATION & MODIFICATION SCHEDULE
S-02: MODIFICATION DETAILS & SECTIONS
S-03: ADDITIONAL SECTIONS
S-04: FLAT PLATE SCHEDULE & NOTES.

TOWER DESIGN: PJF/JOB #: 29205-0027  
TOWER HEIGHT/TYPE: 110'-0" MONOPOLE TOWER  
TOWER LOCATION:  
LAT.: 41° 40' 5.47"  
LONG.: -72° 45' 18.72"  
STREET ADDRESS: 35 WILDWOOD STREET  
CITY, STATE ZIP: NEW BRITAIN, CT 06051  
COUNTY: HARTFORD  
REFERENCED ANALYSIS: GPD/PROJ #: 2022701.69 REV. 1  
ANALYSIS DATE: 04/10/2023

GOVERNING CODES:	TIA-222-H & 2022 CSBC
WIND SPEEDS:	118 MPH 3 SECOND GUST (W/O ICE) 50 MPH 3 SECOND GUST (W/ ICE)
ICE THICKNESS:	1.5"
STRUCTURE CLASS:	II
EXPOSURE CATEGORY:	C
TOPO CATEGORY:	1



20 South Main Street, Suite 2531  
Akron, OH 44311  
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NEW BRITAIN WILDWOOD STREET  
CLIENT SITE #: CT-1341

[illegible]

NEW BRITAIN WILDWOOD STREET  
35 WILDWOOD STREET  
NEW BRITAIN, CT 06051

TITLE SHEET

ISSUED FOR:	
PERMIT	04/10/2023
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MM	JMJ
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2022701.69

# T-01

MODIFICATION INSPECTION CHECKLIST		
REQUIRED	REPORT ITEM	BRIEF DESCRIPTION
PRE-CONSTRUCTION		
X	MI CHECKLIST DRAWING	THIS CHECKLIST SERVES AS A GUIDELINE FOR THE REQUIRED CONSTRUCTION DOCUMENTS AND INSPECTIONS FOR THIS MODIFICATION
X	EOR APPROVED SHOP DRAWINGS	PRIOR TO FABRICATION, THE CONTRACTOR SHALL PROVIDE DETAILED ASSEMBLY DRAWINGS AND/OR SHOP DRAWINGS TO THE EOR FOR APPROVAL.
X	FABRICATION INSPECTION	A LETTER FROM THE FABRICATOR STATING THAT ALL FABRICATION (I.E. DRILLING, CUTTING, WELDING, SHEARING, MILLING, GALVANIZING, ETC) HAS BEEN DONE ACCORDING TO INDUSTRY STANDARDS AND ALL APPLICABLE ANSI/ASTM STANDARDS.
NA	FABRICATOR CERTIFIED WELD INSPECTION	A CWI SHALL INSPECT ALL FABRICATION WELDS IN ACCORDANCE WITH AWS D1.1 AND A REPORT DETAILING THE RESULTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	MATERIAL TEST REPORTS (MTR)	MATERIAL TEST REPORTS SHALL BE PROVIDED FOR ALL MATERIAL USED. MTR'S SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	FABRICATOR NDE INSPECTION REPORT	CRITICAL SHOP WELDS THAT REQUIRE ADDITIONAL TESTING ARE NOTED WITHIN THE MODIFICATION DRAWINGS. A CERTIFIED NDT INSPECTOR SHALL PERFORM NON-DESTRUCTIVE EXAMINATION ON ALL PJP, CJP, AND FILLET WELDS >5/16" IN ACCORDANCE WITH AWS D1.1 AND A REPORT DETAILING THE RESULTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	NDE OF MONOPOLE BASE PLATE	A NDE OF THE POLE TO BASE PLATE CONNECTION IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	PACKING SLIPS	PACKING/SHIPPING LIST FOR ALL MATERIAL USED DURING CONSTRUCTION OF THE MODIFICATION SHALL BE PROVIDED.
DURING CONSTRUCTION		
NA	PRE-POUR REBAR INSPECTIONS	A 3 <sup>RD</sup> PARTY VISUAL OBSERVATION OF THE EXCAVATION AND REBAR SHALL BE PERFORMED <b>BEFORE</b> PLACING THE CONCRETE. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	POST-INSTALLED REBAR AND/OR DOWEL INSPECTIONS	PHOTOGRAPHIC DOCUMENTATION OF DRILL HOLE SIZES AND DEPTHS SHALL BE RECORDED <b>BEFORE</b> SETTING THE POST INSTALLED REBAR AND DOWELS WITH EPOXY/GROUT.
NA	CONCRETE COMP. STRENGTH & SLUMP TEST	THE CONCRETE MIX DESIGN, SLUMP TEST, AND COMPRESSIVE STRENGTH TESTS SHALL BE PROVIDED AS PART OF THE MI REPORT.
NA	EARTHWORK: LIFT & DENSITY REPORT	REPORT DETAILING SOIL COMPACTION TEST RESULTS TO BE INCLUDED IN THE MI REPORT.
NA	MICROPILE/ROCK ANCHOR	MICROPILES AND ROCK ANCHORS SHALL BE INSPECTED BY A 3 <sup>RD</sup> PARTY. INSPECTION SHALL VERIFY ANCHOR SIZE, STEEL GRADE, AND HOLE DEPTHS. PHOTOGRAPHIC DOCUMENTATION OF ALL MEASUREMENTS ALONG WITH THE PULL TEST RESULTS SHALL BE INCLUDED IN THE MI REPORT.
NA	HELICAL ANCHOR	HELICAL INSTALLER SHALL SUBMIT FINAL SEALED HELICALS DESIGN, TORQUE LOGS, AND FINAL LOAD TEST RESULTS TO BE INCLUDED IN THE MODIFICATION INSPECTION REPORT.
NA	POST-INSTALLED ANCHOR ROD VERIFICATION	POST INSTALLED ANCHOR ROD VERIFICATION SHALL BE PERFORMED AND SHALL INCLUDE PHOTO VERIFICATION OF HOLE DEPTH, HOLE CLEANOUT AND ROUGHENING, AND EPOXY LABELING. REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	3 <sup>RD</sup> PARTY FIELD CERTIFIED WELD INSPECTION	A CWI SHALL CONDUCT A VISUAL INSPECTION OF ALL FIELD WELDS IN ACCORDANCE WITH AWS D1.1. CRITICAL WELDS THAT REQUIRE ADDITIONAL TESTING ARE NOTED IN THE MODIFICATION DRAWINGS.
X	ON-SITE COLD GALVANIZING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY ON-SITE COLD GALVANIZING WAS APPLIED PER MANUFACTURER SPECIFICATIONS.
NA	TENSION TWIST & PLUMB DELIVERABLES	THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION TO THE MI INSPECTOR VERIFYING THE TOWER TWIST AND PLUMB CONDITION AS WELL AS THE WIRE TENSIONS (AS REQUIRED). REPORT SHALL INCLUDE PRE-TENSION, PLUMB & TWIST RESULTS, POST-TENSION REPORT, POST PLUMB AND TWIST REPORT, AND PHOTOS OF THE TENSION GAUGES FOR ALL GUY WIRES.
X	GC AS-BUILT DRAWINGS	THE GENERAL CONTRACTOR SHALL SUBMIT A LEGIBLE COPY OF THE ORIGINAL DESIGN DRAWINGS EITHER STATING "INSTALLED AS DESIGNED" OR NOTING ANY CHANGES THAT WERE REQUIRED AND APPROVED BY THE ENGINEER OF RECORD. EOR/RFI FORMS APPROVING ALL CHANGES SHALL BE SUBMITTED.
NA	BOLT PRE-TENSION VERIFICATION	TURN-OF-THE NUT METHOD IS THE DEFAULT METHOD FOR PRE-TENSIONING BOLTS. MATCH-MARKINGS SHALL BE PRESENT ON EACH FASTENER FOR INSPECTION PURPOSES AND SHALL BE APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RCSC SPECIFICATION. ALTERNATIVE PRE-TENSIONING METHODS ARE NOT ALLOWED WITHOUT PRIOR EOR CONSENT.
POST-CONSTRUCTION		
X	CONSTRUCTION COMPLIANCE LETTER	A LETTER FROM THE GENERAL CONTRACTOR STATING THAT THE WORKMANSHIP WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THESE MODIFICATION DRAWINGS, INCLUDING LISTING ADDITIONAL PARTIES TO THE MODIFICATION PROCESS.
NA	POST-INSTALLED ANCHOR ROD PULL TESTS	POST-INSTALLED ANCHOR RODS SHALL BE TESTED BY A PULL TEST INSPECTOR AND A REPORT SHALL BE PROVIDED INDICATING TESTING RESULTS.
X	PHOTOGRAPHS	PHOTOGRAPHS SHALL BE SUBMITTED TO THE MI INSPECTOR. PHOTOS SHALL DOCUMENT ALL PHASES OF THE CONSTRUCTION. THE PHOTOS SHALL BE ORGANIZED IN A MANNER THAT EASILY IDENTIFIES THE EXACT LOCATION OF THE PHOTO.
NA	FOUNDATION SEALER	PHOTOGRAPHIC DOCUMENTATION OF THE FOUNDATION SEALING SHALL BE INCLUDED IN THE MI REPORT.
NA	BOLT HOLE INSTALLATION VERIFICATION REPORT	THE MI INSPECTOR SHALL VERIFY THE INSTALLATION AND TIGHTNESS OF 10% OF ALL NON PRE-TENSIONED BOLTS INSTALLED AS PART OF THE MODIFICATION. THE MI INSPECTOR SHALL LOOSEN THE NUT AND VERIFY THE BOLT HOLE SIZE AND CONDITION. THE MI REPORT SHALL CONTAIN THE COMPLETED BOLT INSTALLATION VERIFICATION REPORT, INCLUDING THE SUPPORTING PHOTOGRAPHS.
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)	THE MI INSPECTOR SHALL OBSERVE AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACTOR'S REDLINE DRAWING AND THE ACTUAL COMPLETED INSTALLATION.
*THE MI CHECKLIST SHALL BE REVIEWED PRIOR TO THE START OF CONSTRUCTION. ALL PARTIES TO THE MODIFICATION SHALL UNDERSTAND ALL REQUIREMENTS AND INSPECTION/DOCUMENTATION THAT IS APPLICABLE TO THE SCOPE OF WORK THEY ARE PERFORMING. ERRORS ON THE MI CHECKLIST SHALL BE BROUGHT TO THE ATTENTION OF THE TOWER/STRUCTURE OWNER AND EOR AS SOON AS POSSIBLE.		

GENERAL

1. THE MI IS AN ON-SITE VISUAL AND HANDS-ON INSPECTION OF TOWER MODIFICATIONS INCLUDING A REVIEW OF CONSTRUCTION REPORTS AND ADDITIONAL PERTINENT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR (GC), AS WELL AS ANY INSPECTION DOCUMENTS PROVIDED BY 3RD PARTY INSPECTORS. THE MI IS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE MODIFICATION DRAWINGS; IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS; AND AS DESIGNED BY THE ENGINEER OF RECORD (EOR).
2. NO DOCUMENT, CODE OR POLICY CAN ANTICIPATE EVERY SITUATION THAT MAY ARISE. ACCORDINGLY, THIS CHECKLIST IS INTENDED TO SERVE AS A SOURCE OF GUIDING PRINCIPLES IN ESTABLISHING GUIDELINES FOR MODIFICATION INSPECTION.
3. THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, AND THE MI INSPECTOR DOES NOT TAKE OWNERSHIP OF THE MODIFICATION DESIGN. THE MI INSPECTOR SHALL INSPECT AND NOTE CONFORMANCE/NONCONFORMANCE AND PROVIDE TO THE TOWER/STRUCTURE OWNER AND EOR FOR EVALUATION.
4. TO ENSURE THAT THE REQUIREMENTS OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. CONTACT LISTED ON THE TITLE SHEET SHALL BE CONTACTED IF SPECIFIC INSPECTOR CONTACT INFORMATION IS NOT KNOWN.

FAILING INSPECTION CORRECTIONS

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MI INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL MODIFICATION DRAWINGS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION.

• OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION.

SERVICE LEVEL COMMITMENT

1. THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:
- THE GC SHALL PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.

• THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.

• WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.

• WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY MINOR DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

• IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MODIFICATION INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.

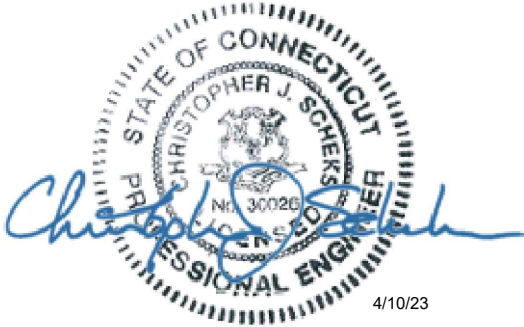
REQUIRED PHOTOS

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:
- PRE-CONSTRUCTION GENERAL SITE CONDITION

• PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR

• POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

• ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DETAILS OF THE MODIFICATIONS.
2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.



4/10/23



GPD Engineering and Architecture  
Professional Corporation

520 South Main Street, Suite 2531  
Akron, OH 44311  
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS  
PREPARED FOR:



BLUE SKY  
TOWERS LLC

NEW BRITAIN WILDWOOD STREET  
CLIENT SITE #: CT-1341

REV.	DATE	DESCRIPTION									
		INITIAL RELEASE									
0	3/09/22										

NEW BRITAIN WILDWOOD STREET  
35 WILDWOOD STREET  
NEW BRITAIN, CT 06051

MODIFICATION INSPECTION  
CHECKLIST

ISSUED FOR:	
PERMIT	4/10/2023
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MM	JMJ
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2022701.69

MI-01



GENERAL NOTES

1. THIS DESIGN IS IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222, AWS, ANSI TIA-322, AND AISC. MATERIALS, FABRICATION, INSTALLATION, AND ALL OTHER SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND THE CONTRACT SPECIFICATIONS.
2. THIS DESIGN ASSUMES THE TOWER AND FOUNDATIONS HAVE BEEN WELL MAINTAINED, ARE IN GOOD CONDITION, AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBERS, LOOSE BOLTS, CRACKED WELDS AND OTHER MEMBER DEFECTS HAVE NOT BEEN CONSIDERED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED TO BE LEVEL. THIS DESIGN IS BEING PROVIDED WITHOUT THE BENEFIT OF A CONDITION ASSESSMENT BY GPD.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING; ANY PROBLEMS WITH ACCESS, INTERFERENCE, ETC. SHALL BE RESOLVED PRIOR TO MOBILIZATION. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOTE ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS OR THAT INTERFERE WITH THE CONTINUOUS INSTALLATION OF THE MODIFICATIONS. CONTRACTOR SHALL NOTE ALL ATTACHMENT POINTS, ANTENNAS, MOUNTS, COAX, LIGHTING, CLIMBING SUPPORTS, STEP BOLTS, PORT HOLES, AND ANY OTHER APPURTENANCES IN THE REGION OF THE MODIFICATIONS. GPD SHALL BE CONTACTED IMMEDIATELY TO EVALUATE THE SIGNIFICANCE OF ANY DEVIATION PRIOR TO ORDERING MATERIAL.
4. ALL MATERIAL SPECIFIED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZES AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR DETERMINING IF SUBSTITUTE IS SUITABLE FOR USE AND MEETS THE ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER.
5. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MODIFICATION INSPECTOR AT THE TIME OF AWARD TO COORDINATE AN INSPECTION SCHEDULE AND ENSURE PROPER DOCUMENTATION IS RETAINED THROUGHOUT THE PROJECT. REFER TO SHEET MI-01 FOR MODIFICATION INSPECTION CHECKLIST.
6. SPECIAL INSPECTIONS: UNLESS OTHERWISE SPECIFIED WITHIN THE PLANS OR REQUIRED BY THE BUILDING OFFICIAL, SPECIAL INSPECTIONS AND TESTS ARE NOT REQUIRED FOR GROUP U OCCUPANCIES, BUT NOT LIMITED TO: THOSE LISTED IN SECTION 312.1 (IBC SECTION 1704.2, EXCEPTION 2). CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF ANY SPECIAL INSPECTIONS ARE REQUIRED BY THE JURISDICTION HAVING AUTHORITY. IF REQUIRED BY THE JURISDICTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND SCHEDULING OF THE SPECIAL INSPECTIONS WITH THE ENGINEER OF RECORD. IN THOSE CASES, SPECIAL INSPECTIONS MUST BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.
7. INSTALLATION OF THE PROPOSED LOADING IS BY OTHERS AND IS BEYOND THE SCOPE OF THESE DRAWINGS.
8. ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO TOWER OWNER AND GPD THAT THEY HAVE OBTAINED, UNDERSTAND, AND WILL FOLLOW TOWER OWNER STANDARDS OF PRACTICE, CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES, ALL PRODUCT LIMITATIONS AND INSTALLATION PROCEDURES USED ON SITE, AND PROPOSED MODIFICATIONS DESCRIBED. RECEIPT OF ACKNOWLEDGMENT MUST OCCUR PRIOR TO BEGINNING CONSTRUCTION OR CLIMBING. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE THIS DOCUMENTATION FOR TOWER OWNER AND GPD ON COMPANY LETTERHEAD AND THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN THIS DOCUMENTATION FROM LOWER TIER SUBCONTRACTORS (ON SUBCONTRACTOR LETTERHEAD) AND DELIVER IT TO TOWER OWNER AND GPD.
9. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE. THIS INCLUDES PROVIDING THE NECESSARY CERTIFICATIONS TO THE TOWER OWNER AND ENGINEER.
10. THESE DRAWINGS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
11. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THEIR WORK FORCE, THE WORK AREA, ADJACENT AREA, AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. THE CONTRACTOR SHALL REVIEW AND ABIDE BY ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES. ALL TOWER WORKERS SHALL UTILIZE APPROPRIATE FALL PROTECTION AND SAFETY EQUIPMENT THAT IS UP-TO-DATE AND INSPECTED PER OSHA AND INDUSTRY GUIDELINES. ALL WORKERS SHALL BE TRAINED AND MONITORED TO ENSURE SAFE WORKING PRACTICES ARE MAINTAINED.
12. CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING ALL COAX, T-BRACKETS, ANTENNA MOUNTS, AND ANY OTHER APPURTENANCE THAT MAY INTERFERE WITH THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACED AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATIONS TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOMIZATIONS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE ENGINEER PRIOR TO REMOVING SUCH ATTACHMENTS. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE TOWER OWNER IN WRITING.
13. CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY OR LEASE AREA AND APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS WITHIN THESE BOUNDARIES. CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE LAND OWNER PRIOR TO MOBILIZATION. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR.
14. THE STRUCTURAL INTEGRITY OF THIS DESIGN EXTENDS TO THE COMPLETE CONDITION ONLY. THE CONTRACTOR MUST BE COGNIZANT THAT THE REMOVAL OF ANY STRUCTURAL COMPONENT HAS THE POTENTIAL TO CAUSE THE PARTIAL OR COMPLETE COLLAPSE OF THE STRUCTURE. ALL NECESSARY PRECAUTIONS MUST BE TAKEN TO ENSURE THE STRUCTURAL INTEGRITY, INCLUDING, BUT NOT LIMITED TO, ENGINEERING ASSESSMENT OF CONSTRUCTION STRESSES WITH INSTALLATION MAXIMUM WIND SPEED AND/OR TEMPORARY BRACING AND SHORING.
15. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 10-MPH). CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY LOCAL TOWER SHORING, TEMPORARY GLOBAL TOWER SHORING, AND ALL SHORING OF SURROUNDING BUILDINGS, PADS, AND OTHER OUTDOOR SITE OBSTRUCTIONS. ALL SHORING, TEMPORARY BRACING, AND TEMPORARY SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
16. MODIFICATIONS SHOWN SHALL BE INSTALLED ON ALL THREE (3) TOWER LEGS/FACES UNLESS NOTED OTHERWISE.
17. FAA/FCC FILING AND LIGHTING MAY BE REQUIRED. ALL GOVERNMENTAL REGULATORY DETERMINATIONS AND FILINGS BY OTHERS, NOT GPD.
18. VERIFY IF THIS STRUCTURE IS AN FM TOWER AND TAKE NECESSARY ACTIONS TO PROVIDE SAFE WORKING CONDITIONS INCLUDING, BUT NOT LIMITED TO, HAVING FM SIGNAL TURNED OFF. CONTRACTOR SHALL HAVE PROPER RADMAN FOR NOTIFICATION OF EXCESSIVE RF EXPOSURE FOR ALL INDIVIDUALS WORKING ON SITE IF FM ANTENNAS ARE PRESENT.
19. ALL MANUFACTURERS HARDWARE AND ASSEMBLY INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. DEVIATION FROM THE INSTRUCTIONS IS UNACCEPTABLE AND REQUIRES WRITTEN APPROVAL FROM ENGINEER.
20. DO NOT SCALE DRAWINGS.
21. THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL ASSOCIATED HARDWARE SHALL NOT BE IMPEDED OR MODIFIED WITHOUT THE WRITTEN CONSENT OF GPD.
22. ANY WORK PERFORMED WITHOUT A PREFABRICATION MAPPING IS DONE AT THE RISK OF THE GC AND/OR FABRICATOR.
23. IMPROPER FIT-UP OF NEW BOLTED HARDWARE DUE TO OVERSIZED, DOUBLE-PUNCHED, OR SLOTTED HOLES FOUND ON THE EXISTING STRUCTURE SHALL BE REPORTED TO GPD AND THE TOWER OWNER IMMEDIATELY. INSTALLATION OF SUCH HARDWARE WILL NOT BE ACCEPTABLE AND ALL COSTS ASSOCIATED WITH REMEDYING THE INSTALLATION WILL BE THE RESPONSIBILITY OF THE GC.

STRUCTURAL STEEL NOTES

1. ALL NEW STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOT-DIPPED GALVANIZING IS NOT PERMITTED MAGNI 565 COATING (OR ENGINEER APPROVED EQUIVALENT) SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
2. ALL EXPOSED STRUCTURAL STEEL AS THE RESULT OF THIS SCOPE OF WORK INCLUDING, BUT NOT LIMITED TO, DAMAGED MEMBERS, FIELD WELDS, FIELD CUT MEMBERS, FIELD DRILLED HOLES, AND SHAFT INTERIORS (WHERE APPLICABLE), SHALL BE SOLVENT CLEANED AND HAVE TWO (2) COATS OF BRUSHED ON ZRC ZINC RICH COLD GALVANIZING PAINT APPLIED AND SHALL BE PAINTED TO MATCH THE TOWER FINISH (WHERE APPLICABLE). PHOTO DOCUMENTATION IS REQUIRED TO BE SUBMITTED TO THE MODIFICATION INSPECTOR.
3. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LISTED REQUIREMENTS U.N.O. IN THESE DRAWINGS:

MONOPOLES:

- STRUCTURAL SHAPES AND PLATE: ASTM A572 GRADE 65 (Fy=65 KSI)
- WELDING ELECTRODES, SMAW: E80XX
- WELDING ELECTRODES, FCAW: E8XT-XX

SELF-SUPPORT AND GUYED TOWERS

- STRUCTURAL SHAPES AND PLATE: ASTM A572 GRADE 50 (Fy=50 KSI)
- GUY WIRES: ASTM A475 GRADE EHS
- BRIDGE STRAND: ASTM A586 GRADE 1
- WELDING ELECTRODES, SMAW: E70XX
- WELDING ELECTRODES, FCAW: E7XT-XX

ALL TOWER TYPES:

- STEEL ANGLE (BRACING): ASTM A36 (Fy=36 KSI)
- STEEL ANGLE (LEGS): ASTM A572 GRADE 50 (Fy=50 KSI)
- SOLID ROUND: ASTM A36 (Fy=36 KSI)
- PIPE (ROUND): ASTM A53 GRADE B (Fy=35 KSI)
- HSS TUBE (ROUND): ASTM A500 GRADE C (Fy=46 KSI)
- HSS TUBE (SQUARE): ASTM A500 GRADE C (Fy=50 KSI)
- ANCHOR RODS: ASTM A193 GRADE B7
- BOLTS: ASTM A325 TYPE 1
- U-BOLTS: ASTM A307 GRADE A
- NUTS: ASTM A503 GRADE DH
- NUTS (ANCHOR RODS): ASTM A194 GRADE 2H
- WASHERS (AS REQUIRED): ASTM F436 TYPE 1
- LOCKING DEVICES: PAL-NUT OR SPLIT WASHER

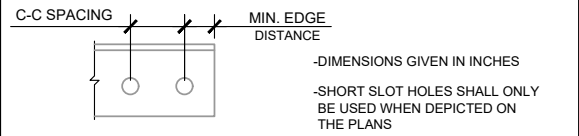
4. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222 REQUIREMENTS, U.N.O..
5. ALL BOLTS, INCLUDING U-BOLTS, SHALL BE TIGHTENED IN ACCORDANCE WITH AISC "SNUG TIGHT" REQUIREMENTS, U.N.O..
6. ALL U-BOLTS SPECIFIED SHALL MEET THE REQUIREMENTS OF ASME B18.31.5-2011 BENT BOLTS.
7. ALL NEW BOLT ASSEMBLIES SHALL BE OF SUFFICIENT LENGTH TO ENSURE THE END OF THE BOLT IS FLUSH WITH, OR PROTRUDES BEYOND, THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETE.
8. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
9. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORK LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
10. WELDING OF ANY KIND IS NOT PERMITTED ON SITE UNLESS SPECIFIED WITHIN THESE DRAWINGS. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING OR OPEN FLAME IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.

WELD NOTES

1. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM A NONDESTRUCTIVE TEST ON THE EXISTING BASE PERIMETER WELD TO INSURE ITS STRUCTURAL INTEGRITY IN ACCORDANCE WITH AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE-STEEL". IF ANY FLAWS ARE DISCOVERED, THE PROJECT SHALL BE PUT ON HOLD UNTIL REMEDIES TO CORRECT THE DEFICIENCIES ARE DESIGNED AND INSTALLED. THE TOWER OWNER AND THE ENGINEER SHALL BE CONTACTED IMMEDIATELY UPON A FAILING NONDESTRUCTIVE TESTING RESULT.
2. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE-STEEL" (LATEST EDITION).
3. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE MODIFICATION INSPECTOR UPON COMPLETION OF THE PROJECT.
4. WELDING CERTIFICATES MUST BE PROVIDED TO CWI AND GPD PRIOR TO WELDING CONTRACTOR BEGINNING WORK ON SITE. CERTIFICATE WILL BE ASKED FOR AS PART OF INSPECTION PROCESS. ALL WELDING SHOULD BE PERFORMED BY AN AWS QUALIFIED WELDER WHO HAS EXPERIENCE WITH GALVANIZED SURFACES AND IN ACCORDANCE WITH ANSI/AWS D1.1 AND ANSI Z 49.1 OR LATEST EDITIONS.
5. INSTALL 3000° (NFPA 701) FIRE BLANKET AROUND ALL COAX AT AND BELOW EACH WELDING PROCEDURE AND ELEVATION. COAX IS FLAMMABLE AND CAN CATCH FIRE IF PROPER PRECAUTIONS ARE NOT MADE TO SHIELD COAX FROM ALL WELDING PROCEDURES. IN ADDITION, COAX SHALL BE PUSHED AWAY FROM TOWER FACE WHERE WELDING IS BEING PERFORMED.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING ON A GALVANIZED SURFACE. ADDITIONAL SPLATTER AND SPARKS SHALL BE ANTICIPATED GIVEN THE PREVIOUSLY GALV. SURFACE. IF THE WELD MATERIAL IS CONTAMINATED WITH ZINC IT DOES NOT PROVIDE A STRUCTURAL WELD. FUMES CREATED FROM WELDING ON A PREVIOUSLY GALV. SURFACE CAN BE HAZARDOUS. PRIOR TO WELDING, ALL SURFACES SHALL BE PROPERLY GROUND TO REMOVE GALVANIZING, SCALE, SLAG, RUST OR ANY OTHER MATERIAL TO PREVENT PROPER WELDING.
7. ALL FIELD WELDS SHALL BE TOUCHED UP WITH TWO COATS OF COLD GALVANIZING PAINT (ZRC OR APPROVED EQUIVALENT), INCLUDING THE INTERIOR OF MONOPOLE SHAFTS, WHERE ACCESS PERMITS. IN ANY AREAS AFFECTED BY ANY WELDING, PHOTO DOCUMENTATION IS REQUIRED TO BE SUBMITTED TO THE MODIFICATION INSPECTOR.
8. WATER SHALL BE ON SITE, OF ADEQUATE AMOUNT, AND AVAILABLE AT SHORT NOTICE AT ALL TIMES DURING WELDING ACTIVITY. A MINIMUM OF 500 GAL. OF WATER SHALL BE PROVIDED. WATER SHALL BE CAPABLE OF REACHING HEIGHT WHERE WELDING IS BEING PERFORMED. IN ADDITION, A MINIMUM OF SIX (6) 10 LB. CLASS ABC MULTIPURPOSE FIRE EXTINGUISHERS FULLY CHARGED AND CAPABLE OF DISCHARGE WITHIN 30 SECONDS OF DETECTING A FIRE SHALL BE PROVIDED. FIRE EXTINGUISHERS SHALL BE STRATEGICALLY LOCATED AROUND COMPOUND AND IN THE AIR (I.E. ON THE MAN LIFT WHERE WELDING IS BEING PERFORMED).
9. CLEAN OUT ALL DEBRIS THROUGHOUT TOWER AND STRUCTURE BASE PRIOR TO WELDING.
10. THE CONTRACTOR SHALL TAKE COOLING EFFECTS OF THE WELDED MATERIAL INTO CONSIDERATION (I.E. EXPANSION OF HOT MATERIAL AND CONTRACTION OF COOLED MATERIAL).

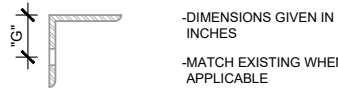
BOLT SCHEDULE

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	C-C SPACING
1/2	9/16	9/16x11/16	7/8	1-1/2
5/8	11/16	11/16x7/8	1-1/8	1-7/8
3/4	13/16	13/16x1	1-1/4	2-1/4
7/8	15/16	15/16x1-1/8	1-1/2	2-5/8
1	1-1/8	1-1/8x1-5/16	1-3/4	3

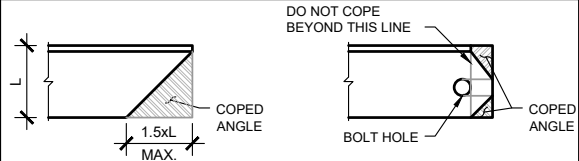


WORKABLE GAGES

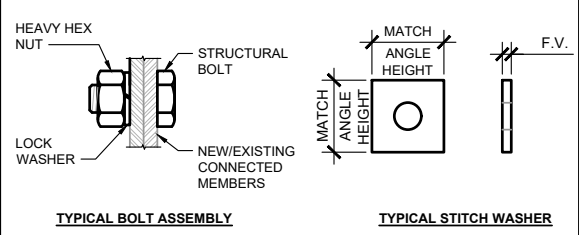
LEG	6	5	4	3-1/2	3	2-1/2	2	1-3/4
G	3-1/2	3	2-1/2	2	1-3/4	1-3/8	1-1/8	1



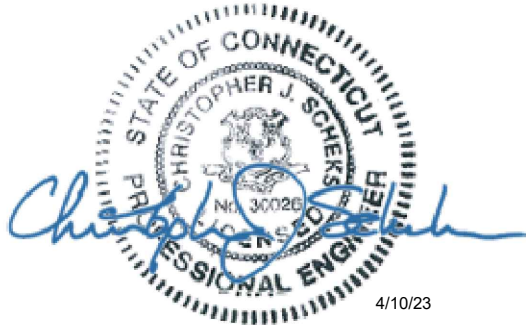
ALLOWABLE ANGLE COPE



BOLTING DETAILS



1. ALL DIMENSIONS REPRESENTED IN THESE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. AS AN ALTERNATIVE TO USING A LOCK WASHER PAL-NUTS CAN BE INSTALLED ABOVE THE HEX NUT. ALL BOLTS MUST HAVE LOCKING DEVICES INSTALLED AS PART OF THE ASSEMBLY.
4. ADDITIONAL HARDENED FLAT WASHERS MAY BE REQUIRED IN CASES WHERE OVERSIZED OR SLOTTED HOLES ARE PRESENT. EXISTING CONDITIONS SHALL BE APPROVED BY THE EOR.



520 South Main Street, Suite 2531  
Akron, OH 44311  
330.572.2100 Fax 330.572.2102

DESIGN DRAWINGS  
PREPARED FOR:



NEW BRITAIN WILDWOOD STREET  
CLIENT SITE # CT-1341

REV.	DATE	DESCRIPTION
0	3/09/22	INITIAL RELEASE

NEW BRITAIN WILDWOOD STREET  
35 WILDWOOD STREET  
NEW BRITAIN, CT 06051

PROJECT NOTES

ISSUED FOR:	
PERMIT	4/10/2023
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MM	JMJ
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2022701.69

N-01





520 South Main Street, Suite 2531  
Akron, OH 44311  
330.572.2100, Fax 330.572.2100

DESIGN DRAWINGS  
PREPARED FOR:



NEW BRITAIN WILDWOOD STREET  
CLIENT SITE #: CT-1341

[illegible]

NEW BRITAIN WILDWOOD STREET  
35 WILDWOOD STREET  
NEW BRITAIN, CT 06051

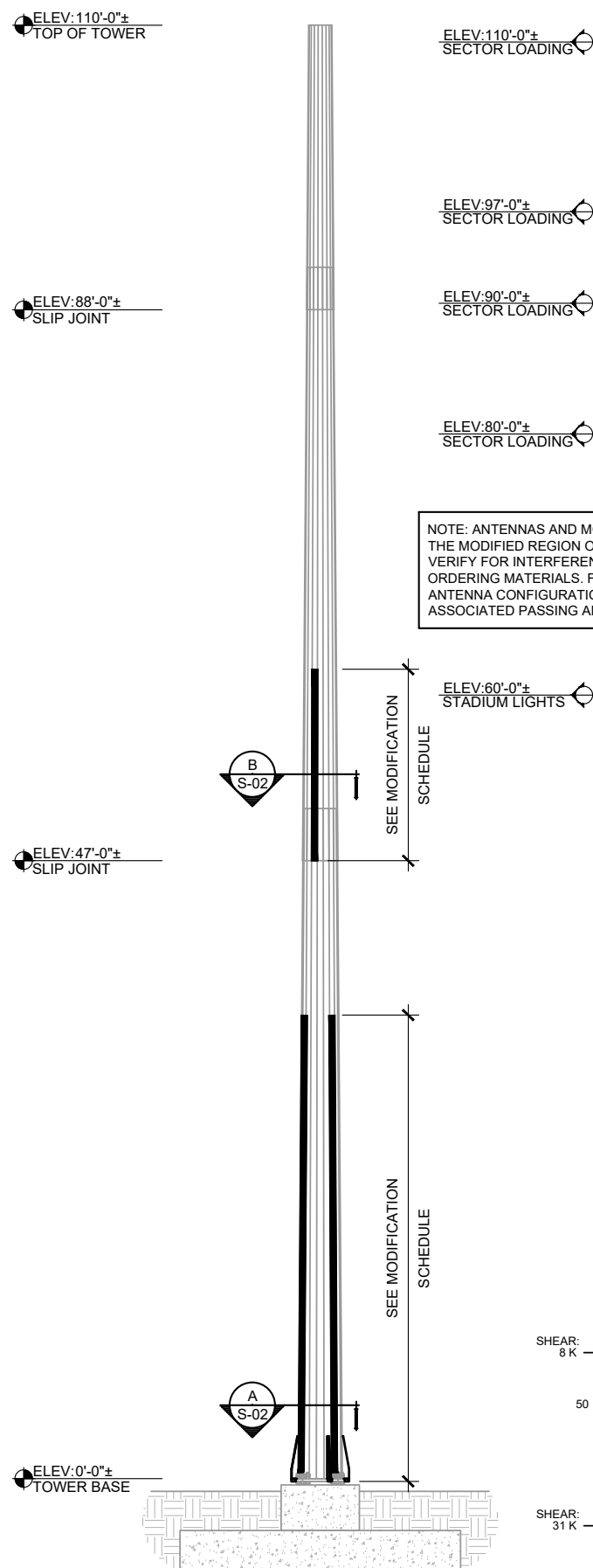
**TOWER ELEVATION &  
MODIFICATION SCHEDULE**

ISSUED FOR:	
PERMIT	4/10/2023
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MM	JMJ
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2022701.69

S-01



## TOWER ELEVATION

N.T.S.

POLE SPECIFICATIONS	
POLE SHAPE:	18-SIDED
TAPER:	0.1797 IN/FT
SHAFT STEEL	ASTM A572 GRADE 65
BASE PLATE STEEL:	ASTM A572 GRADE 50
ANCHOR RODS:	2-1/4"Ø ASTM A615 GRADE 75

POLE SECTION DATA					
SHAFT SECTION	SECTION LENGTH (FT)	PLATE THICKNESS (IN)	LAP SPLICE (IN)	DIAMETER (IN)	
				@ TOP	@ BOTTOM
1	21.25	0.1875	39.00  48.00	21.0000	24.8250
2	45.00	0.2500		23.8650	31.9875
3	51.00	0.3125		30.7655	39.9300
NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES					

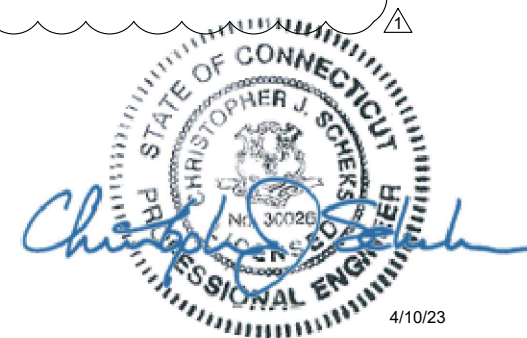
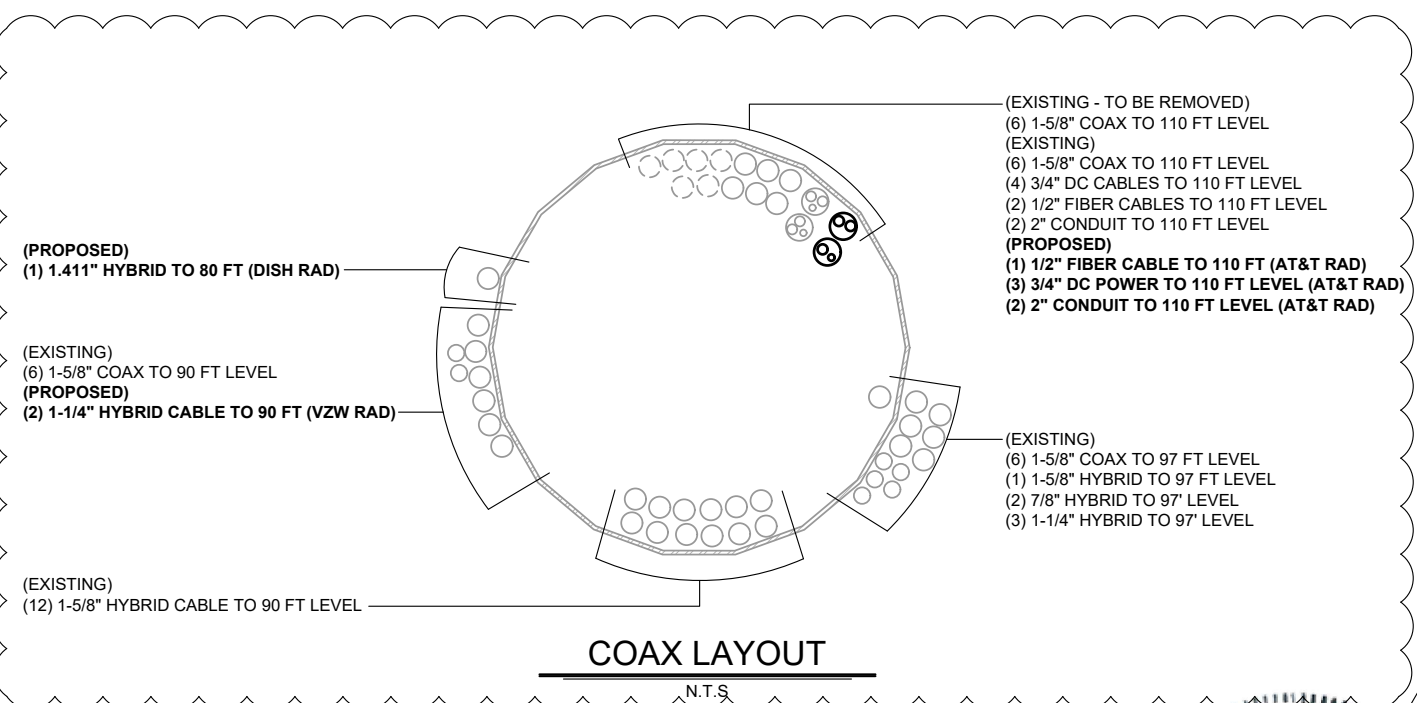
MODIFICATION SCHEDULE					
MEMBER TYPE	ELEVATION	EXISTING MEMBER	NEW MEMBER	REFERENCE DETAIL/SHEET	NOTES
PLATES	47'-0"± TO 62'-0"±	18 SIDED MONOPOLE	(3) 6"x1" PLATES	S-02 & S-04	INSTALL NEW FLAT PLATE REINFORCEMENT TO THE EXISTING TOWER SHAFT.
	0'-6"± TO 35'-6"±		(4) 6-1/2"x1-1/4" PLATES		
TRANSITION STIFFENERS	0'-0"±	-	(4) 1-1/4" THICK PLATES	S-02 & S-03	INSTALL NEW TRANSITION STIFFENERS TO THE EXISTING TOWER BASE.
BASE EXTENSION	0'-0"±	-	(4) 4"x9"x2-1/2"	S-02	INSTALL NEW BASE PLATE EXTENSIONS TO THE EXISTING BASE PLATE.

NOTE:

1. APPROVED FASTENERS MAY BE USED ON THIS PROJECT AS INDICATED IN THE FOLLOWING TABLE:

NEXGEN2	APPROVED	SPECIALTY FASTENERS	NA
---------	----------	---------------------	----

2. SHIMS FOR MONOPOLE REINFORCEMENT MEMBER SHALL BE REQUIRED WHERE GAPS BETWEEN THE POLE SHAFT AND REINFORCING MEMBER EXIST AT FASTENER LOCATIONS. FOR INTERMEDIATE CONNECTIONS, THE MINIMUM SHIM LENGTH AND WIDTH SHALL BE THE WIDTH OF THE REINFORCING MEMBER. FOR TERMINATION CONNECTIONS, A CONTINUOUS SHIM PLATE (PREFERRED) OR EQUIVALENT INDIVIDUAL SHIM PLATES THE WIDTH OF THE REINFORCING MEMBER MAY BE USED. SHIM THICKNESSES SHALL BE NO LESS THAN 1/16". STACKING OF SHIMS IS PERMITTED. FINGER SHIMS AND HORSESHOE SHIMS ARE PERMITTED. SINGLE AND STACKED SHIMS IN BOLT TERMINATION REGIONS SHALL BE NO GREATER THAN A TOTAL OF 1/4" WITHOUT EOR APPROVAL. SINGLE AND STACKED SHIMS AT INTERMEDIATE CONNECTIONS SHALL BE NO GREATER THAN A TOTAL OF 5/8" WITHOUT EOR APPROVAL.
3. SHIM MATERIAL SHALL BE STEEL GRADE A36 OR GREATER IF WELDED, UNO, AND SHALL REQUIRE MTR; IF SHIMS ARE NOT WELDED, THERE IS NO MINIMUM REQUIRED STEEL GRADE..
4. ALL MATERIAL REMOVED FROM THE TOWER SHALL BE DISPOSED OF BY THE CONTRACTOR OFF SITE.



4/10/23

EXISTING STEP PEGS &  
EXISTING SAFETY  
CLIMB

EXISTING 2-1/4"Ø  
ANCHOR RODS (TYP.  
OF 12, LOCATED ON A  
46"Ø BOLT CIRCLE)

EXISTING MONOPOLE  
SHAFT

NEW APPROVED  
FASTENER ASSEMBLY  
(TYP.), SEE NOTES ON  
SHEET S-04

EXISTING PORT HOLE  
(TYP. OF 1) LOCATED  
AT 7'-0"± ON FLATS 10

EXISTING FOUNDATION  
AND REBAR CAGE

NEW FLAT PLATE  
REINFORCEMENT (TYP.),  
SEE FLAT PLATE  
REINFORCEMENT  
SCHEDULE ON SHEET S-04

EXISTING PORT HOLES  
(TYP. OF 2) LOCATED AT  
3'-0"± ON CORNER OF  
FLATS 5/6 AND 14/15

NEW 1-1/4" THICK  
TRANSITION  
STIFFENER (TYP. OF  
4), SEE SECTION  
C/S-03

EXISTING 45"x2-1/2"  
THICK SQUARE BASE  
PLATE

NEW 4"x9"x2-1/2" BASE  
PLATE EXTENSION  
(TYP. OF 4), SEE  
DETAIL 3/S-03

## A TOWER SECTION

S-02 SCALE: 1/2" = 1'-0"

EXISTING STEP PEGS &  
EXISTING SAFETY  
CLIMB

EXISTING MONOPOLE  
SHAFT

NEW FLAT PLATE  
REINFORCEMENT (TYP.),  
SEE FLAT PLATE  
REINFORCEMENT  
SCHEDULE ON SHEET S-04

NEW APPROVED  
FASTENER ASSEMBLY  
(TYP.), SEE NOTES ON  
SHEET S-04

## B TOWER SECTION

S-02 SCALE: 1/2" = 1'-0"

EXISTING MONOPOLE  
SHAFT

EXISTING 2-1/4"Ø  
ANCHOR RODS (TYP.  
OF 12)

ELEV: 0'-6"±  
BOTTOM OF PLATE  
ELEV: 0'-0"±  
TOWER BASE

EXISTING  
FOUNDATION

NEW FLAT PLATE  
REINFORCEMENT (TYP.),  
SEE FLAT PLATE  
REINFORCEMENT  
SCHEDULE ON SHEET S-04

NEW APPROVED  
FASTENER ASSEMBLY  
(TYP.), SEE NOTES ON  
SHEET S-04

NEW 1-1/4" THICK  
TRANSITION  
STIFFENER (TYP. OF  
4), SEE SECTION  
A/S-02

EXISTING 45"x2-1/2"  
THICK SQUARE BASE  
PLATE

NEW BASE PLATE  
EXTENSION (TYP. OF  
4), SEE SECTION  
A/S-02

## 1 ELEVATION

S-02 SCALE: 3/8" = 1'-0"

NEW FLAT PLATE  
REINFORCEMENT (TYP.),  
SEE FLAT PLATE  
REINFORCEMENT  
SCHEDULE ON SHEET S-04

NEW APPROVED  
FASTENER ASSEMBLY  
(TYP.), SEE NOTE #1  
ON SHEET S-01

EXISTING MONOPOLE  
SHAFT

ELEV: 47'-0"±  
BOTTOM OF PLATE

## 2 ELEVATION

S-02 SCALE: 3/8" = 1'-0"

### NOTE:

- CONTRACTOR SHALL FIELD VERIFY  
ELEVATION OF EXISTING SLIP  
JOINT AND NOTIFY EOR IF  
DIFFERENT FROM WHAT IS SHOWN.



GPD Engineering and Architecture  
Professional Corporation

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DESIGN DRAWINGS  
PREPARED FOR:



NEW BRITAIN WILDWOOD STREET  
CLIENT SITE #: CT-1341

DESCRIPTION

INITIAL RELEASE

REV. DATE

0 3/09/22

NEW BRITAIN WILDWOOD STREET  
35 WILDWOOD STREET  
NEW BRITAIN, CT 06051

MODIFICATION DETAILS  
& SECTIONS

ISSUED FOR:

PERMIT 4/10/2023

BID -

CONSTRUCTION -

RECORD -

ENGINEER DESIGNER

MM JMJ

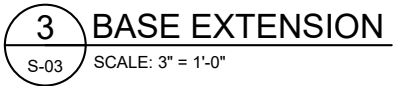
PROJECT MANAGER APPROVED BY

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JOB NO.

2022701.69

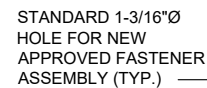
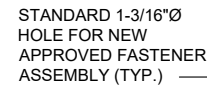
S-02



SMAW  
TC-U4a  
STIFFENER  
TO BASE  
PLATE

1/4 45°





FLAT PLATE REINFORCING SCHEDULE											
BOTTOM ELEVATION	TOP ELEVATION	PLATE SIZE	FLAT / DEGREES (°)	END BOLT QTY. (TOP & BOTTOM)	DISTANCE "A"	MAX INTERMEDIATE BOLT SPACING	BOLTS PER PLATE	LENGTH	STEEL WEIGHT PER PLATE (BLACK)	TOTAL BOLT QUANTITY	TOTAL STEEL WEIGHT (BLACK)
0.5'	35.5'	6-1/2"x1-1/4"	3, 7, 12, & 16	11	1'-0 1/2"	1'-7"	34	25'-0"	690.6	136	2762.4
47.0'	62.0'	6"x1"	3, 9, & 15	8	0'-10"	1'-4"	24	15'-0"	306.0	72	918.0
									TOTAL	208	3680.4

S-04

4/10/23

## **ATTACHMENT 7**



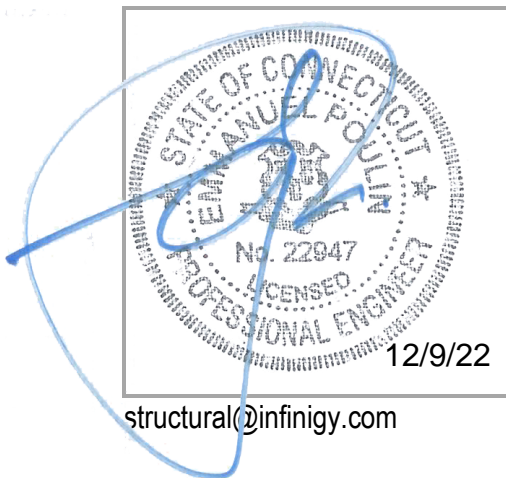
# INFINIGY®

## MOUNT ANALYSIS REPORT

December 8, 2022

DISH Wireless Site Number	BOBDL00114A
Infinigy Job Number	1197-F0001-B
Client	NSS
Carrier	DISH Wireless
Site Location	35 Wildwood Street New Britain, CT 6051 Hartford County 41° 40' 5.52" N NAD83 72° 45' 18.72" W NAD83
Structure Type	Monopole
Structure Height	110.0 ft
Mount Type	8.0 ft Platform
Mount Elevation	80.0 ft AGL
Structural Usage Ratio	97.2%
Overall Result	Pass

The enclosed structural analysis has been performed in accordance with the 2022 Connecticut State Building Code based on an ultimate 3-second gust wind speed of 118 mph. The evaluation criteria and applicable standards are presented in the next section of this report.



structural@infinigy.com

## **CONTENTS**

1. Introduction
2. Design/Analysis Parameters
3. Proposed Loading Configuration
4. Supporting Documentation
5. Results
6. Recommendations
7. Assumptions
8. Liability Waiver and Limitations
9. Calculations

December 8, 2022

## 1. INTRODUCTION

Infinigy performed a structural analysis on the DISH Wireless proposed telecommunication equipment supporting Platform mounted to the existing structure located at the aforementioned address. All referenced supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA 3-D version 20.0 analysis software.

## 2. DESIGN/ANALYSIS PARAMETERS

Wind Speed	118 mph (3-Second Gust)
Wind Speed w/ ice	50 mph (3-Second Gust) w/ 1.5" ice thickness
Adopted Code	2022 Connecticut State Building Code / 2021 IBC
Standard(s)	TIA-222-H
Risk Category	II
Exposure Category	C
Topographic Factor	1.0
Seismic Spectral Response	$S_s = 0.196 \text{ g} / S_1 = 0.054 \text{ g}$
Live Load Wind Speed	30 mph
Man Live Load at Mid/End Points	250 lbs
Man Live Load at Mount Pipes	500 lbs
Ground Elevation (HMSL)	60.2 ft

## 3. PROPOSED LOADING CONFIGURATION - 80.0 ft. AGL Platform

Centerline (ft)	Qty.	Appurtenance Manufacturers	Appurtenance Models
80.0	3	JMA WIRELESS	MX08FRO665-21
	3	FUJITSU	TA08025-B605
	3	FUJITSU	TA08025-B604
	1	RAYCAP	RDIDC-9181-PF-48

## 4. SUPPORTING DOCUMENTATION

Construction Drawings	Infinigy, Job No. 1197-F0001-C, dated October 25, 2021
DISH Wireless Proposed Loading	Dish Wireless, dated February 11, 2021
Mount Manufacturer Drawings	SitePro1 Assembly Drawings No.SNP8HR-3XX

## 5. RESULTS

Components	Capacity	Pass/Fail
Mount Pipe(s)	50.9%	Pass
Horizontal(s)	12.5%	Pass
Handrail(s)	14.1%	Pass
Plate(s)	97.2%	Pass
Bracing(s)	35.3%	Pass
Standoff(s)	40.3%	Pass
Connection(s)	35.9%	Pass
<b>RATING =</b>	<b>97.2%</b>	<b>Pass</b>

Notes:

- See additional documentation in Appendix for calculations supporting the capacity consumed and detailed mount connection calculations.

## 6. RECOMMENDATIONS

Infinigy recommends installing DISH Wireless's proposed equipment loading configuration on the Platform at 80.0 ft. The installation shall be performed in accordance with the construction documents issued for this site.

If you have any questions, require additional information, or believe the actual conditions differ from those detailed in this report, please contact us immediately.

Iker Moreno, E.I.T.  
Project Engineer I | **INFINIGY**

## 7. ASSUMPTIONS

The antenna mounting system was properly fabricated, installed and maintained in accordance with its original design and manufacturer's specifications.	
The configuration of antennas, mounts, and other appurtenances are as specified in the proposed loading configuration table.	
All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.	
The analysis will require revisions if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.	
Steel grades have been assumed as follows, unless noted otherwise:	
Channel, Solid Round, Plate, Built-up Angle	ASTM A36
Structural Angle	ASTM A36
HSS (Rectangular)	ASTM A500-C GR 46
HSS (Circular)	ASTM A500-C GR 42
Pipe	ASTM A53 GR B
Connection Bolts	ASTM A325
U-Bolts	ASTM A307
All bolted connections are pretensioned in accordance with Table 8.2 of the RCSC 2014 Standard.	

## 8. LIABILITY WAIVER AND LIMITATIONS

Our structural calculations are completed assuming all information provided to Infinigy is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition as erected and all members and connections to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure's condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report, Infinigy should be notified immediately to assess the impact on the results of this report.

Our evaluation is completed using industry standard methods and procedures. The structural results, conclusions and recommendations contained in this report are proprietary and should not be used by others as their own. Infinigy is not responsible for decisions made by others that are or are not based on the stated assumptions and conclusions in this report.

This report is an evaluation of the mount structure only and does not determine the adequacy of the supporting structure, other carrier mounts or cable mounting attachments. The analysis of these elements is outside the scope of this analysis, are assumed to be adequate for the purpose of this report and to have been installed per their manufacturer requirements. This document is not for construction purposes.

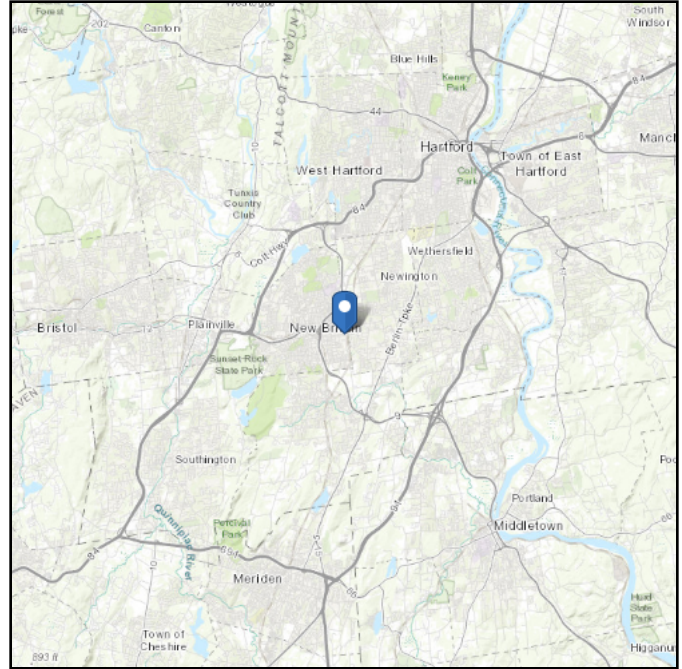
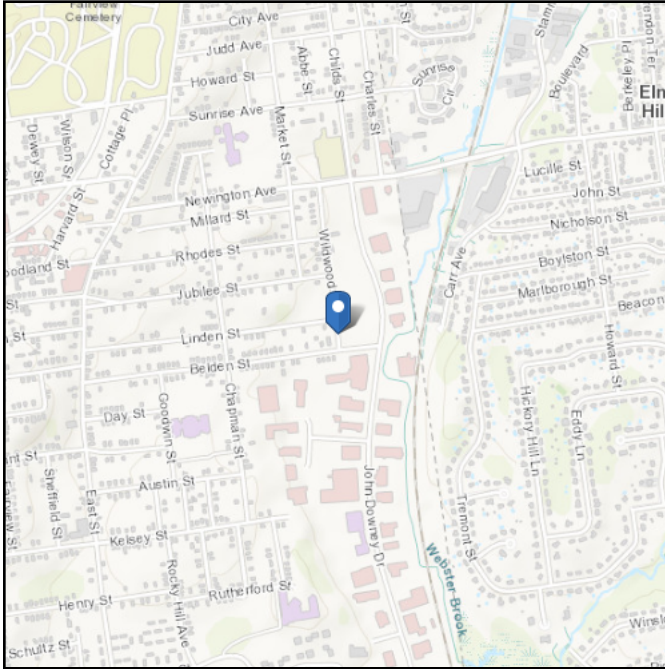


# ASCE 7 Hazards Report

**Address:**  
Wildwood St  
New Britain, Connecticut  
06051

**Standard:** ASCE/SEI 7-16  
**Risk Category:** II  
**Soil Class:** D - Default (see  
Section 11.4.3)

**Latitude:** 41.667875  
**Longitude:** -72.756365  
**Elevation:** 60.2 ft (NAVD 88)



## Wind

### Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Thu Dec 08 2022

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

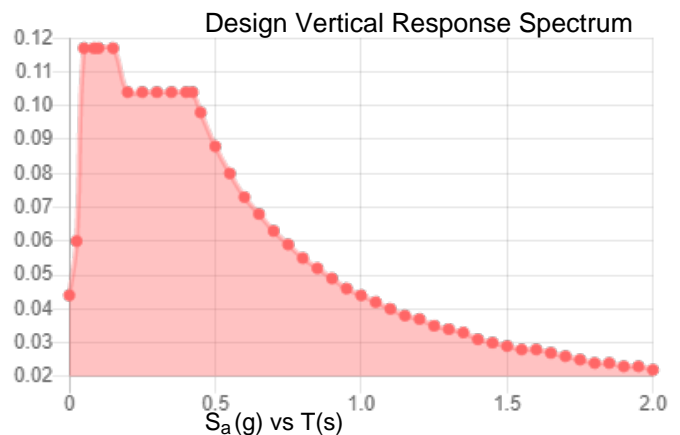
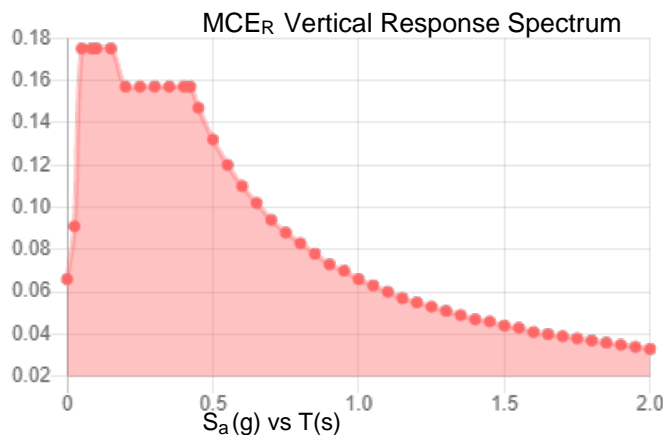
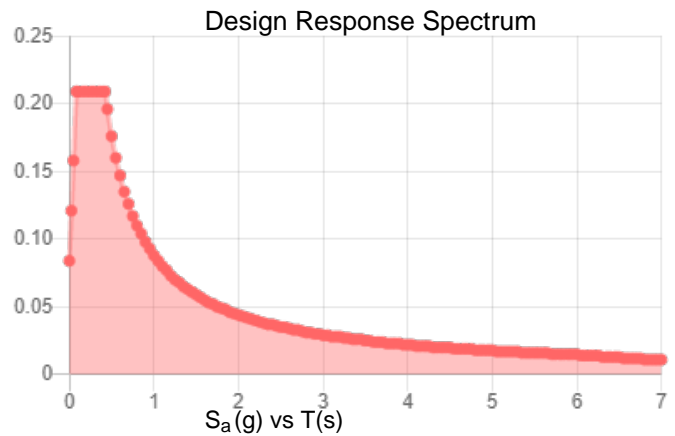
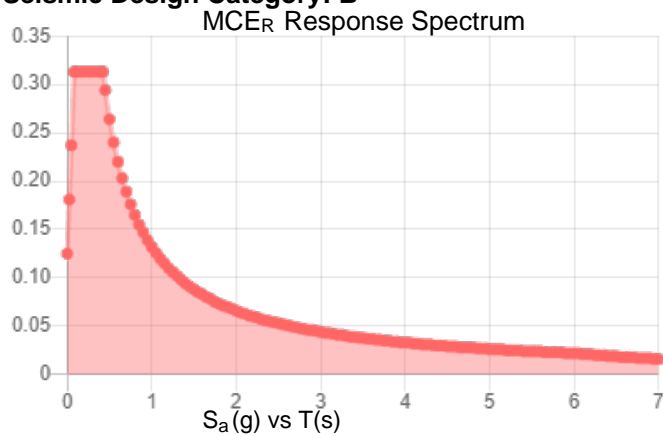
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

**Site Soil Class:**

**Results:**

$S_S$ :	0.196	$S_{D1}$ :	0.088
$S_1$ :	0.055	$T_L$ :	6
$F_a$ :	1.6	PGA :	0.107
$F_v$ :	2.4	PGA <sub>M</sub> :	0.17
$S_{MS}$ :	0.313	$F_{PGA}$ :	1.586
$S_{M1}$ :	0.132	$I_e$ :	1
$S_{DS}$ :	0.209	$C_v$ :	0.7

**Seismic Design Category: B**



**Data Accessed:**

**Thu Dec 08 2022**

**Date Source:**

**USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.**

**Results:**

Ice Thickness: 1.50 in.  
Concurrent Temperature: 15 F  
Gust Speed 50 mph

**Data Source:** Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

**Date Accessed:** Thu Dec 08 2022

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

---

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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## **ATTACHMENT 8**



Fox Hill Telecom



# Radio Frequency Emissions Analysis Report



**Site ID: BOBDL00114A**

Octagon Towers - Wildwood Street  
Wildwood Street  
New Britain, CT 06051

**December 30, 2022**

**Fox Hill Telecom Project Number: 222144**

Site Compliance Summary	
Compliance Status:	<b>COMPLIANT</b>
Site total MPE% of FCC general population allowable limit:	<b>20.77 %</b>





December 30, 2022

Dish Wireless  
5701 South Santa Fe Drive  
Littleton, CO 80120

Emissions Analysis for Site: **BOBDL00114A – Octagon Towers - Wildwood Street**

Fox Hill Telecom, Inc (“Fox Hill”) was directed to analyze the proposed radio installation for Dish Wireless, LLC (Dish) facility located at **Wildwood Street, New Britain, CT**, for the purpose of determining whether the emissions from the Proposed Dish radio and antenna installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The number of  $\mu\text{W}/\text{cm}^2$  calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The general population exposure limit for the 600 MHz band is approximately  $400 \mu\text{W}/\text{cm}^2$ . The general population exposure limit for the 1900 MHz (PCS) and 2100 MHz (AWS / AWS-4) bands is  $1000 \mu\text{W}/\text{cm}^2$ . Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.



Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.



## CALCULATIONS

Calculations were performed for the proposed upgrades to the Dish Wireless antenna facility located at **Wildwood Street, New Britain, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65 for far field modeling calculations.

In OET-65, plane wave power densities in the Far Field of an antenna are calculated by considering antenna gain and reflective waves that would contribute to exposure.

Since the radiation pattern of an antenna has developed in the **Far Field** region the power gain in specific directions needs to be considered in exposure predictions to yield an Effective Radiated Power (ERP) in each specific direction from the antenna. Also, since the vertical radiation pattern of the antenna is considered, the exposure calculations would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels. To determine a worst-case scenario at each point along the calculation radials, each point was calculated using the antenna gain value at each angle of incident and compared against the result using an isotropic radiator at the antenna height with the greater of the two used to yield the more pessimistic far field value for each point along the calculation radial.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential 1.6 times increase in power density in calculating far field power density values.

With these factors Considered, the worst case **Far Field prediction model** utilized in this analysis is determined by the following equation:

Equation 9 per FCC OET65 for Far Field Modeling

$$S = \frac{33.4 \text{ ERP}}{R^2}$$

S = Power Density (in  $\mu\text{W}/\text{cm}^2$ )

ERP = Effective Radiated Power from antenna (watts)

R = Distance from the antenna (meters)

Predicted far field power density values for all carriers identified in this report were calculated 6 feet above the ground level and are displayed as a percentage of the applicable FCC standards. All emissions values for other carriers were calculated using the same Far Field model outlined above, using industry standard radio configurations and frequency band selection based upon available licenses in this geographic area for emissions contribution estimates.



For each Dish sector the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
5G	n71 (600 MHz)	4	61.5
5G	n70 (AWS-4 / 1995-2020)	4	40
5G	n66 (AWS-4 / 2180-2200)	4	40

*Table 1: Channel Data Table*



The following **Dish** antennas listed in *Table 2* were used in the modeling for transmission in the 600 MHz (n71) frequency band and the 2100 MHz (AWS 4) frequency bands at 1995-2020 MHz (n70) and 2180-2200 MHz (n66). This is based on feedback from Dish regarding anticipated antenna selection. Maximum gain values for all antennas are listed in the Inventory and Power Data table below.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	JMA MX08FRO665-21	80
B	1	JMA MX08FRO665-21	80
C	1	JMA MX08FRO665-21	80

*Table 2: Antenna Data*

All calculations were done with respect to uncontrolled / general population threshold limits.



## RESULTS

Per the calculations completed for the proposed **Dish** configurations *Table 3* shows resulting emissions power levels and percentages of the FCC's allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	JMA MX08FRO665-21	n71 (600 MHz) / n70 (AWS-4 / 1995-2020) / n66 (AWS-4 / 2180-2200)	11.45 / 16.15 / 16.65	12	566	17,426.72	6.20
Sector A Composite MPE%							<b>6.20</b>
Antenna B1	JMA MX08FRO665-21	n71 (600 MHz) / n70 (AWS-4 / 1995-2020) / n66 (AWS-4 / 2180-2200)	11.45 / 16.15 / 16.65	12	566	17,426.72	6.20
Sector B Composite MPE%							<b>6.20</b>
Antenna C1	JMA MX08FRO665-21	n71 (600 MHz) / n70 (AWS-4 / 1995-2020) / n66 (AWS-4 / 2180-2200)	11.45 / 16.15 / 16.65	12	566	17,426.72	6.20
Sector C Composite MPE%							<b>6.20</b>

*Table 3: Dish Emissions Levels*





The Following table (*Table 4*) shows all additional carriers on site and their emissions contribution estimates, along with the newly calculated **Dish** far field emissions contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site emissions values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, all three sectors have the same configuration yielding the same results on all three sectors. *Table 5* below shows a summary for each **Dish** Sector as well as the composite emissions value for the site.

Site Composite MPE%	
Carrier	MPE%
Dish – Max Per Sector Value	<b>6.20 %</b>
AT&T	5.54 %
Clearwire	0.02 %
T-Mobile	3.18 %
Verizon Wireless	5.83 %
<b>Site Total MPE %:</b>	<b>20.77 %</b>

*Table 4: All Carrier MPE Contributions*

Dish Sector A Total:	6.20 %
Dish Sector B Total:	6.20 %
Dish Sector C Total:	6.20 %
Site Total:	20.77 %

*Table 5: Site MPE Summary*



Table 6 below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated **Dish** sector(s). For this site, all three sectors have the same configuration yielding the same results on all three sectors.

Dish _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ( $\mu\text{W}/\text{cm}^2$ )	Frequency (MHz)	Allowable MPE ( $\mu\text{W}/\text{cm}^2$ )	Calculated % MPE
Dish n71 (600 MHz) 5G	4	858.77	80	16.40	n71 (600 MHz)	400	4.10%
Dish n70 (AWS-4 / 1995-2020) 5G	4	1,648.39	80	10.50	n70 (AWS-4 / 1995-2020)	1000	1.05%
Dish n66 (AWS-4 / 2180-2200) 5G	4	1,849.52	80	10.50	n66 (AWS-4 / 2180-2200)	1000	1.05%
						<b>Total:</b>	<b>6.20 %</b>

Table 6: Dish Maximum Sector MPE Power Values



## Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the Dish facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

Dish Sector	Power Density Value (%)
Sector A:	6.20 %
Sector B:	6.20 %
Sector C:	6.20 %
Dish Maximum Total (per sector):	6.20 %
Site Total:	20.77 %
Site Compliance Status:	<b>COMPLIANT</b>

The anticipated composite emissions value for this site, assuming all carriers present, is **20.77 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon the far field calculations performed for all carriers identified in this report.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.

Scott Heffernan  
Principal RF Engineer  
**Fox Hill Telecom, Inc**  
Worcester, MA 01609  
(978)660-3998

## **ATTACHMENT 9**

April 26, 2023

***VIA USPS CERTIFIED MAIL/  
RETURN RECEIPT REQUESTED***

**RE: Proposed Modification to Existing Wireless Telecommunications Facility at 35 Wildwood Street, New Britain, Connecticut**

To Whom It May Concern:

I am writing to you on behalf of Dish Wireless LLC ("Dish"). Dish intends to file with the Connecticut Siting Council ("Council") a petition for declaratory ruling ("Petition") that a Certificate of Environmental Compatibility and Public Need is not required.

The Petition will provide details of the Existing Facility modification and explain why it will have no significant adverse environmental effect. Dish proposes to expand the compound an additional 63sqft (9x7ft) with a proposed gate to easily access the 5x7 steel platform that will hold the proposed cabinets. The proposed new fence will match the existing compound fence.

This letter serves as notice to you as an abutting property owner pursuant to § 16-50j-40 of the Regulations of Connecticut State Agencies. Dish will file the Petition on or about April 26, 2023, and will request that the Council place the Petition on some future agenda.

You may review the Petition at the office of the Council, which is located at Ten Franklin Square, New Britain, Connecticut, 06051, or at the Office of the City Clerk at the New Britain City Hall. All inquiries should be addressed to Council or to the undersigned.

Sincerely,

Victoria Masse  
Northeast Site Solutions  
Agent for Dish Wireless  
420 Main Street, Unit 1 BOX, Sturbridge, MA 01566



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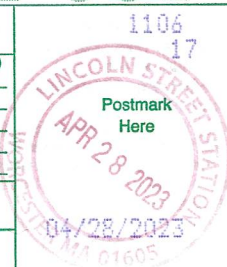
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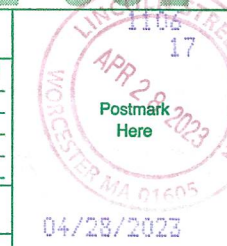
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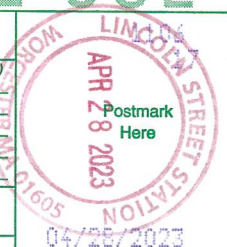
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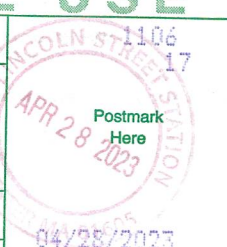
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U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>®</sup> RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com).

New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$3.75
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage  
\$0.63

Total Postage and Fees  
\$8.13

Sent To Teodolina Mantellanos  
Street and Apt. No., or PO Box No. 221 Belden St  
City, State, ZIP+4<sup>®</sup> New Britain CT 06051

PS Form 3800, April 2015 PSN 7530-02-000-9047

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7021 1970 0001 1099 7461

U.S. Postal Service<sup>TM</sup>  
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Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com).

Cromwell, CT 06416

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$3.75
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage  
\$0.63

Total Postage and Fees  
\$8.13

Sent To Eighty-Eight Ninety Clark St LLC  
Street and Apt. No., or PO Box No. 25 West Tract Rd  
City, State, ZIP+4<sup>®</sup> Cromwell CT 06416

PS Form 3800, April 2015 PSN 7530-02-000-9047

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7021 2720 0001 5745 2303

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For delivery information, visit our website at [www.usps.com](http://www.usps.com).

New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$3.75
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

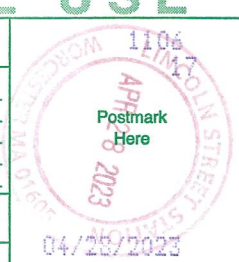
Postage  
\$0.63

Total Postage and Fees  
\$8.13

Sent To M. Konarski / A. Konarski  
Street and Apt. No., or PO Box No. 227 Linden St  
City, State, ZIP+4<sup>®</sup> New Britain CT 06051

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505DLC0114A - USA

Amateurs - 1



LINCOLN MALL  
560 LINCOLN ST STE 8  
WORCESTER, MA 01605-1925  
(800)275-8777

04/28/2023

09:47 AM

Product	Qty	Unit Price	Price
---------	-----	------------	-------

First-Class Mail® Letter	1		\$0.63
Newington, CT 06111			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70220410000110997461			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 87			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70220410000110997430			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 49			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
Cromwell, CT 06416			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70211970000122840545			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 56			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70211970000122840583			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 63			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70212720000157462303			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 32			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70211970000122840538			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 25			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70211970000122840552			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 18			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70211970000122840569			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4521 01			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70211970000122840576			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4520 95			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
Stafford Springs, CT 06076			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70212720000157462280			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4520 88			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70212720000157462297			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4520 71			

Total \$8.13

First-Class Mail® Letter	1		\$0.63
Newington, CT 06111			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70212720000157462259			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4522 86			

Total \$8.13



7020 0640 0001 7661 3344

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New Britain, CT 06051

## OFFICIAL USE

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To **Wanda 555 LLC**  
Street and Apt. No., or PO Box No. **533 John Danney Dr**  
City, State, ZIP+4® **New Britain CT 06051**

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only

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Newington, CT 06111

## OFFICIAL USE

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To **Matthew Ross**  
Street and Apt. No., or PO Box No. **21 Homecrest St**  
City, State, ZIP+4® **Newington CT 06111**

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7022 0410 0001 1099 7508

7021 2720 0001 5746 2174

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New Britain, CT 06051

## OFFICIAL USE

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To **Doris Root**  
Street and Apt. No., or PO Box No. **27 Market St**  
City, State, ZIP+4® **New Britain CT 06051**

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Hartford, CT 06112

## OFFICIAL USE

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To **Carl Porter**  
Street and Apt. No., or PO Box No. **150 Vine St**  
City, State, ZIP+4® **Hartford CT 06112**

PS Form 3800, April 2015 PSN 7530-02-000-9047

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7021 2720 0001 5746 2204

7021 2720 0001 5746 2211

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only

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Newington, CT 06111

## OFFICIAL USE

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To **Benjamin Ancona**  
Street and Apt. No., or PO Box No. **320 Maple Hill Ave**  
City, State, ZIP+4® **Newington CT 06111**

PS Form 3800, April 2015 PSN 7530-02-000-9047

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Newington, CT 06111

## OFFICIAL USE

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

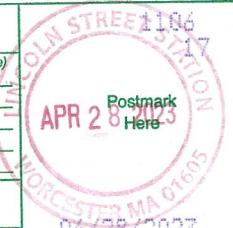
Postage \$0.63

Total Postage and Fees \$8.13

Sent To **Paul Lopes**  
Street and Apt. No., or PO Box No. **PO BOX 31171**  
City, State, ZIP+4® **Newington CT 06111**

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7021 2720 0001 5746 2181



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New Britain, CT 06051

**OFFICIAL USE**

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$13.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.63
<b>Total Postage and Fees</b>	<b>\$8.13</b>

Sent To **Dennis Volpe**  
Street and Apt. No., or PO Box No.  
**223 Market St**  
City, State, ZIP+4<sup>®</sup>  
**New Britain, CT 06051**  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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For delivery information, visit our website at [www.usps.com](http://www.usps.com)<sup>®</sup>.

Berlin, CT 06037

**OFFICIAL USE**

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$13.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.63
<b>Total Postage and Fees</b>	<b>\$8.13</b>

Sent To **Super Eagle LLC**  
Street and Apt. No., or PO Box No.  
**845 Worthington Ridge**  
City, State, ZIP+4<sup>®</sup>  
**Berlin CT 06037**  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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**OFFICIAL USE**

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$13.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.63
<b>Total Postage and Fees</b>	<b>\$8.13</b>

Sent To **K. Santiago / H. Diaz**  
Street and Apt. No., or PO Box No.  
**220 Jubilee St**  
City, State, ZIP+4<sup>®</sup>  
**New Britain CT 06051**  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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New Britain, CT 06051

**OFFICIAL USE**

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$13.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.63
<b>Total Postage and Fees</b>	<b>\$8.13</b>

Sent To **Silo Ventures LLC**  
Street and Apt. No., or PO Box No.  
**206 Newington Ave**  
City, State, ZIP+4<sup>®</sup>  
**New Britain CT 06051**  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

ADULTS  
BOB DLOO 114A - DIST



LINCOLN MALL  
560 LINCOLN ST STE 8  
WORCESTER, MA 01605-1925  
(800)275-8777

04/28/2023

09:17 AM

Product	Qty	Unit Price	Price
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First-Class Mail® Letter	1		\$0.63
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Newington, CT 06111  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
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Tracking #: 70220410000110997508

Return Receipt			\$3.35
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Tracking #: 9590 9402 7245 1284 4524 15

Total			\$8.13
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First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

New Britain, CT 06051  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70220410000110997034

Return Receipt			\$3.35
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Tracking #: 9590 9402 7245 1284 4524 08

Total			\$8.13
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First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

New Britain, CT 06051  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70220410000110997041

Return Receipt			\$3.35
----------------	--	--	--------

Tracking #: 9590 9402 7245 1284 4523 92

Total			\$8.13
-------	--	--	--------

First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

Berlin, CT 06037  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70220410000110997065

Return Receipt			\$3.35
----------------	--	--	--------

Tracking #: 9590 9402 7245 1284 4523 85

Total			\$8.13
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First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

New Britain, CT 06051  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70212720000157462198

Return Receipt			\$3.35
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Tracking #: 9590 9402 7245 1284 4523 61

Total			\$8.13
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First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

Hartford, CT 06112  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70212720000157462204

Return Receipt			\$3.35
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Tracking #: 9590 9402 7245 1284 4524 22

Total			\$8.13
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First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

Newington, CT 06111  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70212720000157462211

Return Receipt			\$3.35
----------------	--	--	--------

Tracking #: 9590 9402 7245 1284 4524 39

Total			\$8.13
-------	--	--	--------

First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

New Britain, CT 06051  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70212720000157462174

Return Receipt			\$3.35
----------------	--	--	--------

Tracking #: 9590 9402 7245 1284 4523 54

Total			\$8.13
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First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

Newington, CT 06131  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70212720000157462181

Return Receipt			\$3.35
----------------	--	--	--------

Tracking #: 9590 9402 7040 1225 8325 01

Total			\$8.13
-------	--	--	--------

First-Class Mail® Letter	1		\$0.63
--------------------------	---	--	--------

New Britain, CT 06051  
Weight: 0 lb 0.50 oz  
Estimated Delivery Date  
Mon 05/01/2023

Certified Mail®			\$4.15
-----------------	--	--	--------

Tracking #: 70200640000176613344

Return Receipt			\$3.35
----------------	--	--	--------

Tracking #: 9590 9402 7245 1284 4523 78

Total			\$8.13
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7022 0410 0001 1099 7072

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New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To Melissa Taricani

Street and Apt. No., or PO Box No. 230 Jubilee St

City, State, ZIP+4® New Britain CT 06051

PS Form 3800, April 2015 PSN 7530-02-000-9047

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Postmark  
Here

04/28/2023

7022 0410 0001 2336 6230

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New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To JS Realty Associates LLC

Street and Apt. No., or PO Box No. PO BOX 1180

City, State, ZIP+4® New Britain CT 06051

PS Form 3800, April 2015 PSN 7530-02-000-9047

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Postmark  
Here

04/28/2023

7020 0640 0001 7661 3405

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 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Land O Lakes, FL 34639

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To Janeth Zapata

Street and Apt. No., or PO Box No. 2254 Macintosh Rd

City, State, ZIP+4® Land O Lakes, FL 34639-0024-0000

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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04/28/2023

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To Alicia Zarebski

Street and Apt. No., or PO Box No. 257 Linden St

City, State, ZIP+4® New Britain CT 06051

PS Form 3800, April 2015 PSN 7530-02-000-9047

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7020 0640 0001 7661 3382

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New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To Marian Wojtowicz

Street and Apt. No., or PO Box No. 60 Wildwood St

City, State, ZIP+4® New Britain CT 06051

PS Form 3800, April 2015 PSN 7530-02-000-9047

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04/28/2023

7022 0410 0001 1099 7058

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New Britain, CT 06051

Certified Mail Fee	\$4.15
Extra Services & Fees (check box, add fee as appropriate)	\$3.35
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To Charles Smith

Street and Apt. No., or PO Box No. 230 Jubilee St

City, State, ZIP+4® New Britain CT 06051

PS Form 3800, April 2015 PSN 7530-02-000-9047

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04/28/2023



7020 0410 0001 1099 7492

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New Britain CT 06051

Certified Mail Fee	\$4.15	1106
\$	\$3.35	17
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.63	
Total Postage and Fees	\$8.13	
Sent To	Roldaus Properties LLC	
Street and Apt. No., or PO Box No.	475 John Downey Dr.	
City, State, ZIP+4®	New Britain CT 06051	

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New Britain CT 06053

Certified Mail Fee	\$4.15	1106
\$	\$3.35	17
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.63	
Total Postage and Fees	\$8.13	
Sent To	Wodarski Properties	
Street and Apt. No., or PO Box No.	45 Curtin Ave	
City, State, ZIP+4®	New Britain CT 06053	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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04/28/2023

7020 0640 0001 7661 3368

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New Britain CT 06053

Certified Mail Fee	\$4.15	1106
\$	\$3.35	17
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.63	
Total Postage and Fees	\$8.13	
Sent To	C. Wodarski / I. Wodarske	
Street and Apt. No., or PO Box No.	45 Curtin Ave	
City, State, ZIP+4®	New Britain CT 06053	

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New Britain CT 06053

Certified Mail Fee	\$4.15	1106
\$	\$3.35	17
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.63	
Total Postage and Fees	\$8.13	
Sent To	Tami Wiley	
Street and Apt. No., or PO Box No.	13 Market St	
City, State, ZIP+4®	New Britain CT 06053	

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7020 0640 0001 7661 3313

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New Britain CT 06051

Certified Mail Fee	\$4.15	1106
\$	\$3.35	17
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.63	
Total Postage and Fees	\$8.13	
Sent To	Two hundred forty Newington Ave LLC	
Street and Apt. No., or PO Box No.	400 Cedar St	
City, State, ZIP+4®	Newington CT 06111	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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New Britain CT 06051

Certified Mail Fee	\$4.15	1106
\$	\$3.35	17
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$0.63	
Total Postage and Fees	\$8.13	
Sent To	E. Vasiliadis / K. Vasiliadis	
Street and Apt. No., or PO Box No.	245 Belden St	
City, State, ZIP+4®	New Britain CT 06051	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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04/28/2023



306DC00141A - DVSH

Aunters - 3


**UNITED STATES  
POSTAL SERVICE.**

 LINCOLN MALL  
 560 LINCOLN ST STE 8  
 WORCESTER, MA 01605-1925  
 (800)275-8777

04/28/2023

09:26 AM

Product	Qty	Unit Price	Price
First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70220410000110997072			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4524 53			
Total			\$8.13
First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70220410000110997492			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4524 46			
Total			\$8.13
First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70220410000110997058			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4524 60			
Total			\$8.13
First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.40 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70200640000176613337			
Return Receipt			\$3.35
Tracking #: 9590 9402 7245 1284 4524 77			
Total			\$8.13
First-Class Mail® Letter	1		\$0.63
Newington, CT 06111			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70200640000176613313			
Return Receipt			\$3.35
Tracking #: 9590 9402 6930 1104 6427 92			
Total			\$8.13
First-Class Mail® Letter	1		\$0.63
New Britain, CT 06051			
Weight: 0 lb 0.50 oz			
Estimated Delivery Date Mon 05/01/2023			
Certified Mail®			\$4.15
Tracking #: 70200640000176613351			
Return Receipt			\$3.35
Tracking #: 9590 9402 6930 1104 6427 78			
Total			\$8.13

First-Class Mail® Letter	1	\$0.63
New Britain, CT 06053		
Weight: 0 lb 0.50 oz		
Estimated Delivery Date Mon 05/01/2023		
Certified Mail®		\$4.15
Tracking #: 70200640000176613368		
Return Receipt		\$3.35
Tracking #: 9590 9402 6930 1104 6427 61		
Total		\$8.13

First-Class Mail® Letter	1	\$0.63
New Britain, CT 06053		
Weight: 0 lb 0.50 oz		
Estimated Delivery Date Mon 05/01/2023		
Certified Mail®		\$4.15
Tracking #: 70200640000176613375		
Return Receipt		\$3.35
Tracking #: 9590 9402 6930 1104 6427 54		
Total		\$8.13

First-Class Mail® Letter	1	\$0.63
Land O Lakes, FL 34639		
Weight: 0 lb 0.50 oz		
Estimated Delivery Date Tue 05/02/2023		
Certified Mail®		\$4.15
Tracking #: 70200640000176613405		
Return Receipt		\$3.35
Tracking #: 9590 9402 7096 1251 0728 33		
Total		\$8.13

First-Class Mail® Letter	1	\$0.63
New Britain, CT 06051		
Weight: 0 lb 0.50 oz		
Estimated Delivery Date Mon 05/01/2023		
Certified Mail®		\$4.15
Tracking #: 70200640000176613382		
Return Receipt		\$3.35
Tracking #: 9590 9402 7096 1251 0728 40		
Total		\$8.13

First-Class Mail® Letter	1	\$0.63
New Britain, CT 06051		
Weight: 0 lb 0.50 oz		
Estimated Delivery Date Mon 05/01/2023		
Certified Mail®		\$4.15
Tracking #: 70200640000176613412		
Return Receipt		\$3.35
Tracking #: 9590 9402 7096 1251 0728 57		
Total		\$8.13

First-Class Mail® Letter	1	\$0.63
New Britain, CT 06050		
Weight: 0 lb 0.50 oz		
Estimated Delivery Date Mon 05/01/2023		
Certified Mail®		\$4.15
Tracking #: 70220410000123366230		
Return Receipt		\$3.35
Tracking #: 9590 9402 6223 0265 9507 43		
Total		\$8.13

BOB L00114A - DISH

Abutter S



FISKDALE  
458 MAIN ST  
FISKDALE, MA 01518-9998  
(800)275-8777

04/28/2023 11:07 AM

Product	Qty	Unit Price	Price
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First-Class Mail® Letter	1		\$0.63
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New Britain, CT 06050

Weight: 0 lb 0.50 oz

Estimated Delivery Date

Mon 05/01/2023

Certified Mail®			\$4.15
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Tracking #:

70200640000176613320

Return Receipt			\$3.35
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Tracking #:

9590 9402 7245 1284 4521 94

Total			\$8.13
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Grand Total:			\$8.13
--------------	--	--	--------

Credit Card Remit			\$8.13
-------------------	--	--	--------

Card Name: VISA

Account #: XXXXXXXXXXXX7594

Approval #: 02120G

Transaction #: 003

AID: A0000000031010 Chip

AL: VISA CREDIT

PIN: Not Required CHASE VISA

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit [www.usps.com](http://www.usps.com) USPS Tracking or call 1-800-222-1811.

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Go to: <https://postalexperience.com/Pos> or scan this code with your mobile device,



or call 1-800-410-7420.

UFN: 242703-0518

Receipt #: 840-50180227-2-3141249-2

Clerk: 5

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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New Britain, CT 06050

OFFICIAL USE

Certified Mail Fee \$4.15

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$0.00

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.63

Total Postage and Fees \$8.13

Sent To

J S Realty Associates LLC

Street and Apt. No., or PO Box No.

P.O. BOX 1180



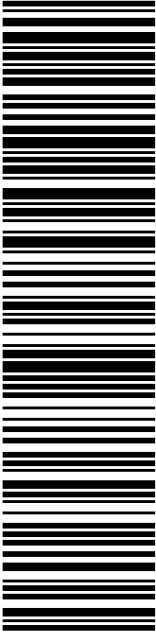
City, State, ZIP+4®

New Britain CT 06050

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



 <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.
- To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 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



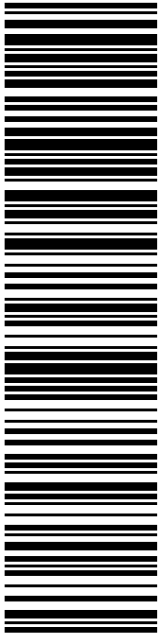

**To:** ERIN STEWART  
 MAYOR- CITY OF NEW BRITAIN  
 27 W MAIN ST  
 NEW BRITAIN CT 06051-2283

\* 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.



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 Check the status of your shipment on the USPS Tracking® page at usps.com



 <b>UNITED STATES POSTAL SERVICE®</b>		<b>Click-N-Ship®</b>	
<b>P</b>		<small>usps.com</small> <b>US POSTAGE</b> <small>Flat Rate Env</small> <b>U.S. POSTAGE PAID</b> <small>Click-N-Ship®</small>	
<b>04/26/2023</b>		<b>Mailed from 01566 98675846579965</b>	
<b>PRIORITY MAIL®</b>		<b>Expected Delivery Date: 04/28/23</b> <b>Ref#: DD-00114A</b> <b>0000</b>	
<b>DEBORAH CHASE</b> <b>NORTHEAST SITE SOLUTIONS</b> <b>STE 1</b> <b>420 MAIN ST</b> <b>STURBRIDGE MA 01566-1359</b>		<b>JASON COLBATH</b> <b>CITY PLANNER I</b> <b>27 W MAIN ST</b> <b>NEW BRITAIN CT 06051-2283</b>	
		<b>USPS TRACKING #</b>	
		<b>9405 5036 9930 0532 4735 17</b>	
<b>Electronic Rate Approved #038555749</b>			

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.
- To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.
- 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 17**

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:** JASON COLBATH  
 CITY PLANNER I  
 27 W MAIN ST  
 NEW BRITAIN CT 06051-2283

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POBDA00114A - DISH

RECIPIENT'S



**UNITED STATES  
POSTAL SERVICE.**

FISKDALE  
458 MAIN ST  
FISKDALE, MA 01518-9998  
(800)275-8777

04/28/2023

11:08 AM

Product	Qty	Unit Price	Price
---------	-----	------------	-------

Prepaid Mail	1		\$0.00
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New Britain, CT 06051

Weight: 0 lb 15.00 oz

Acceptance Date:

Fri 04/28/2023

Tracking #:

9405 5036 9930 0532 4735 00

Prepaid Mail	1		\$0.00
--------------	---	--	--------

New Britain, CT 06051

Weight: 0 lb 14.70 oz

Acceptance Date:

Fri 04/28/2023

Tracking #:

9405 5036 9930 0532 4735 17

Grand Total:	\$0.00
--------------	--------

Text your tracking number to 28777 (2USPS)  
to get the latest status. Standard Message  
and Data rates may apply. You may also  
visit [www.usps.com](http://www.usps.com) USPS Tracking or call  
1-800-222-1811.

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<https://informedelivery.usps.com>

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Thank you for your business.

Tell us about your experience.  
Go to: <https://postalexperience.com/Pos>  
or scan this code with your mobile device.



or call 1-800-410-7420.

UFN: 242703-0518  
Receipt #: 840-50180227-2-3141279-1  
Clerk: 5