


# T-Mobile

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**T-MOBILE SITE NUMBER: 4HY1505A**

**BUSINESS UNIT #: 875071**

**T-MOBILE SITE NAME: 4HY1505A\_REPLACEMENT**

**SITE ADDRESS: 71 AIRPORT RD**

**W. TISBURY, MA 02575**

**SITE TYPE: MONOPOLE**

**COUNTY: DUKES**

**TOWER HEIGHT: 61'-0"**

**JURISDICTION: TOWN OF WEST TISBURY**

**T-MOBILE SPRINT-RETAIN SITE CONFIGURATION: 67E5998E\_1xAIR+1OP+1QP**

**T-Mobile**  
4 SYLVAN WAY  
PARSIPPANY, NJ 07054

**CROWN CASTLE**  
1200 MACARTHUR BLVD, SUITE 200  
MAHWAH, NJ 07430

**TOWER ENGINEERING PROFESSIONALS**  
326 TRYON RD  
RALEIGH, NC 27603  
(919) 661-6351

TEP JOB #: 217324-556579

**T-MOBILE SITE NUMBER: 4HY1505A**

**BU #: 875071**  
**WEST TISBURY AIRPORT**

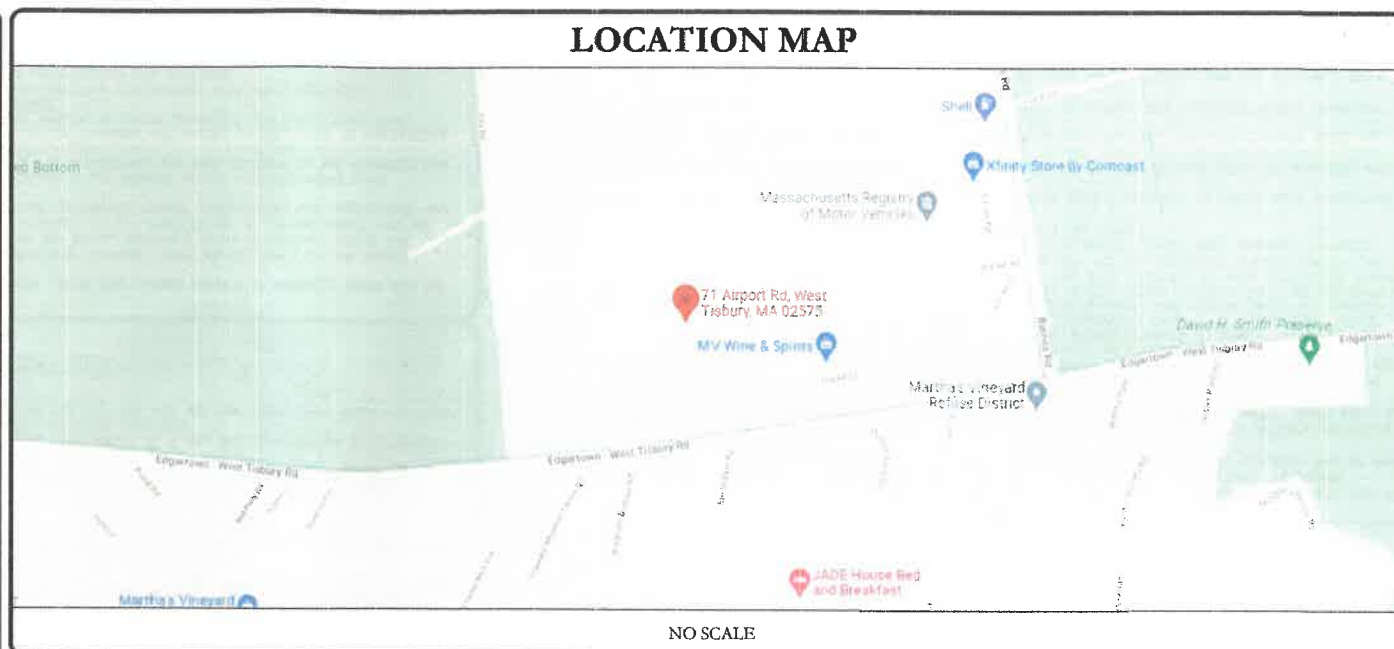
**71 AIRPORT RD,**  
**W. TISBURY, MA 02575**

**EXISTING 61'-0"**  
**MONOPOLE**

SITE INFORMATION	
CROWN CASTLE USA INC.	WEST TISBURY AIRPORT
SITE NAME:	
SITE ADDRESS:	71 AIRPORT RD W. TISBURY, MA 02575
COUNTY:	DUKES
MAP/PARCEL #:	28-1-27
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 23' 15.68" (41.387694)
LONGITUDE:	-70° 36' 45.00" (-70.61250000)
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	67 FT
CURRENT ZONING:	I-1
JURISDICTION:	TOWN OF WEST TISBURY
OVERLAY DISTRICT:	N/A
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	AT&T SERVICES, INC 754 PEACHTREE ST, ATLANTA, GA 30308
TOWER OWNER:	CROWN CASTLE USA, INC. 1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430
CARRIER/APPLICANT:	T-MOBILE 4 SYLVAN WAY PARSIPPANY, NJ 07054
ELECTRIC PROVIDER:	NSTAR (800) 572-9337
TELCO PROVIDER:	COMCAST (888) 936-4968

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	COMPOUND PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	EQUIPMENT SPECS
C-5	CABINET & EQUIPMENT SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22x34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



APPLICABLE CODES/REFERENCE DOCUMENTS	
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	MASSACHUSETTS STATE BUILDING CODE 780 CMR-9th EDITION (2015 IBC) PER SA
ELECTRICAL	NEC 2014 EDITION
<b>REFERENCE DOCUMENTS:</b>	
STRUCTURAL ANALYSIS:	BLACK & VEATCH
DATED:	04/19/2022
MOUNT ANALYSIS:	INFINIGY
DATED:	04/26/2022
ORDER ID:	583919
REVISION:	1
RFDS VERSION:	1
DATED:	03/18/2022
<b>ANALYSIS CRITERIA:</b>	
APPLICABLE CODES:	TIA-222-H / ASCE 7-16
WIND SPEED:	V = 140 MPH (ULTIMATE 3 SECOND GUST)
EXPOSURE CATEGORY:	C
RISK CATEGORY:	II
TOPOGRAPHIC CATEGORY:	1
SEISMIC S:	0.141
SEISMIC S1:	0.052
SERVICE WIND SPEED:	60 MPH

APPROVALS		
APPROVAL	SIGNATURE	DATE
RF	_____	_____
CONST.	_____	_____
FAA	_____	_____
OPS	_____	_____
RE	_____	_____
SR DEV MGR	_____	_____
REG DIR	_____	_____

THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

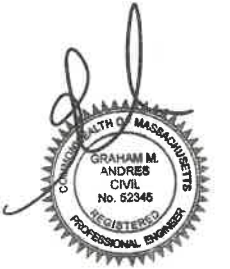
PROJECT TEAM	
A&E FIRM:	TOWER ENGINEERING PROFESSIONALS 326 TRYON ROAD RALEIGH, NC 27603
	JOSEPH T. CRESS - PROJECT MANAGER (919) 661-6351
	GRAHAM M. ANDRES - CIVIL ENGINEER (919) 661-6351
	GRAHAM M. ANDRES - ELECTRICAL ENGINEER (919) 661-6351
CROWN CASTLE USA INC. DISTRICT CONTACTS:	CROWN CASTLE USA, INC. 1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430
	BILLY STUBBS - A&E SPECIALIST BILLY.STUBBS@CROWNCastle.COM

**NOTE:**  
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.

PROJECT DESCRIPTION
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.
<b>TOWER SCOPE OF WORK:</b>
<ul style="list-style-type: none"> <li>REMOVE (4) EXISTING SPRINT CABLES</li> <li>REMOVE (6) EXISTING SPRINT ANTENNAS</li> <li>REMOVE (12) EXISTING SPRINT RRHS</li> <li>INSTALL (9) ANTENNAS</li> <li>INSTALL (6) RRU's</li> <li>INSTALL (2) 6x24 HCS 4AWG 30m CABLES</li> </ul>
<b>GROUND SCOPE OF WORK:</b>
<ul style="list-style-type: none"> <li>REMOVE SPRINT LEGACY CABINET(S) AS NEEDED</li> <li>INSTALL (2) CABINETS</li> <li>INSTALL (2) BB 6648, (1) RBS 6601 W/ (1) DUG20, (1) IXRE ROUTER, (1) 7705 SAR M, (2) PSU 4813</li> <li>REUSE EXISTING SPRINT PLATFORM, ICE BRIDGE &amp; UTILITY EQUIPMENT</li> <li>INSTALL (1) CAM-LOK GENERATOR INTERFACE</li> <li>INSTALL (1) WESTELL CABINET</li> <li>REUSE (1) GPS ANTENNA</li> <li>INSTALL (1) SLACKBOX</li> </ul>

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	10/01/21	AGU	CONSTRUCTION	JTC
1	10/25/21	INS	CONSTRUCTION	SPK
2	11/19/21	INS	CONSTRUCTION	SPK
3	1/18/22	INS	CONSTRUCTION	SPK
3	5/03/22	INS	CONSTRUCTION	SPK

SEAL:



05/03/22

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

<b>SHEET NUMBER:</b> <b>T-1</b>	<b>REVISION:</b> <b>4</b>
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