



QC Development

PO Box 916

Storrs, CT 06268

860-670-9068

Mark.Roberts@QCDevelopment.net

July 19, 2019

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

**Notice of Exempt Modification – New Cingular Wireless PCS, LLC (AT&T)
Durham Fairgrounds, Durham, CT
N 41-28-12.5
W 72-40-54**

Dear Ms. Bachman:

AT&T intends to install a temporary cellular communications facility for service during the 2018 Durham Agricultural Fair. Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, of construction that constitutes an exempt modification under R.C.S.A. § 16-50j-72(d). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to The Honorable Laura L. Francis, First Selectman of the Town of Durham, as elected official to the Durham Building Inspector and to the Durham Agricultural Fair Association, which owns the property.

AT&T operates under licenses issued by the Federal Communications Commission (FCC) to provide cellular and PCS mobile telephone service in Middlesex County, which includes the area to be served by AT&T's proposed temporary installation. The proposed temporary facility would be installed on property owned by the Durham Agricultural Fair Association.

Proposed Temporary Facility

The proposed temporary cell site meets the criteria set forth in R.C.S.A § 16-50j-72(d) for temporary cellular service for events of statewide significance. The site is necessary to provide additional system capacity to accommodate increased communication needs during the Fair.

The Durham Agricultural Fair will be held at the Durham Fairgrounds off CT Route 17 on September 26th – 29th, 2019.

The temporary cell site will be located off Town House Road in Durham on property owned by the Durham Agricultural Fair Association. An e-mail from the President of the Agricultural Fair Association authorizing AT&T’s use of the property for this purpose is attached. Electric power will be provided by the Agricultural Fair Association.

AT&T’s equipment will be deployed to the Fairgrounds on or around August 19th. The site will begin on-air operations on or around September 6th and be removed on or around October 4th.

AT&T’s temporary cell site will consist of radio equipment installed in a trailer-mounted unit referred to as a “Cell on Light Truck” (COLT). The COLT is 33 feet long, 8 feet wide and 12 ½ feet high. The COLT carries three integrated pneumatic masts, two of which can be extended to a height of 38 ft above ground level, while the third can be extended to a height of 59 ft above ground level. Guy lines will stabilize and support the antenna masts when extended. The proposed temporary cell site will not increase noise levels by six decibels or more.

The two shorter masts will be fitted with two (2) Kathrein antennas, one (1) CCI antenna and one (1) Matsing antenna, at a centerline height of 38 feet above ground level. Three (3) Kathrein panel antennas will be mounted to the taller mast at a centerline height of 50 feet, and one (1) Galtronics omni antenna will be mounted on the roof of the COLT at 20 feet.

Power Density Calculations

AT&T’s temporary cell site will not result in a total radio frequency electromagnetic radiation power density, measured at six feet above ground level at the COLT location, at or above State or Federal standards. The following table shows the worst-case power density calculations with 10dB reduction at the temporary COLT site.

Transmissions	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
AT&T LTE	2	500	50	0.1858	700	0.4667	3.98%
AT&T LTE	5	500	38	0.8780	700	0.4667	18.81%
AT&T LTE	10	500	38	1.7560	1900	1.0000	17.56%
AT&T LTE	6	500	38	1.0536	2300	1.0000	10.54%
AT&T 5G	1	500	20	0.9174	850	0.5667	16.19%
Site Total							67.08%

** Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 as described in FCC OET Bulletin No. 65

This power density calculation shows that AT&T’s temporary transmissions for the COLT installation will result in a power density corresponding to approximately 67% of the ANSI/IEEE

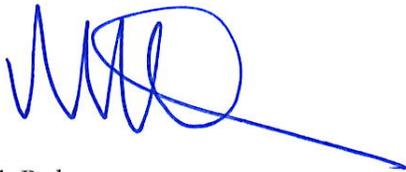
standard for uncontrolled environments. Therefore, total worst-case power density levels adjacent to the COLT would be within applicable standard limits.

Conclusion

For the foregoing reasons, AT&T respectfully requests that the Council acknowledge AT&T's Notice of Exempt Modification for the temporary cell site to be operated during the 2019 Durham Agricultural Fair pursuant to R.C.S.A. § 16-50j-72(d).

Please feel free to call me at (860) 670-9068 with any questions regarding this Notice. Thank you for your consideration in this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'MR', with a long horizontal line extending to the right.

Mark Roberts
QC Development
Consultant for AT&T

Attachments

cc: The Honorable Laura L. Francis – Elected Official
Dick McManus – Building Inspector
Durham Agricultural Fair Association – Property Owner

Durham, CT : Commercial Property Record Card

Parcel ID	Card	Routing No	Location	Zoning	State Class	Acres
D0079000	4	48 02+58 13	24 TOWN HOUSE RD	MR/FR	950 - n/a	30.510
Living Units						
1						

Owner Information
Durham Agricultural Fair Assoc

Property Picture



Deed Information

Book/Page: 69/431
Deed Date: 1965/12/09

Building Information

Building No: 2
Year Built: 1930
No of Units: 1
Structure Type: Food Stand
Grade: D
Identical Units: 1

Valuation

Land: \$1,918,000
Building: \$2,460,600
Total: \$4,378,600
Net Assessment: \$3,065,020

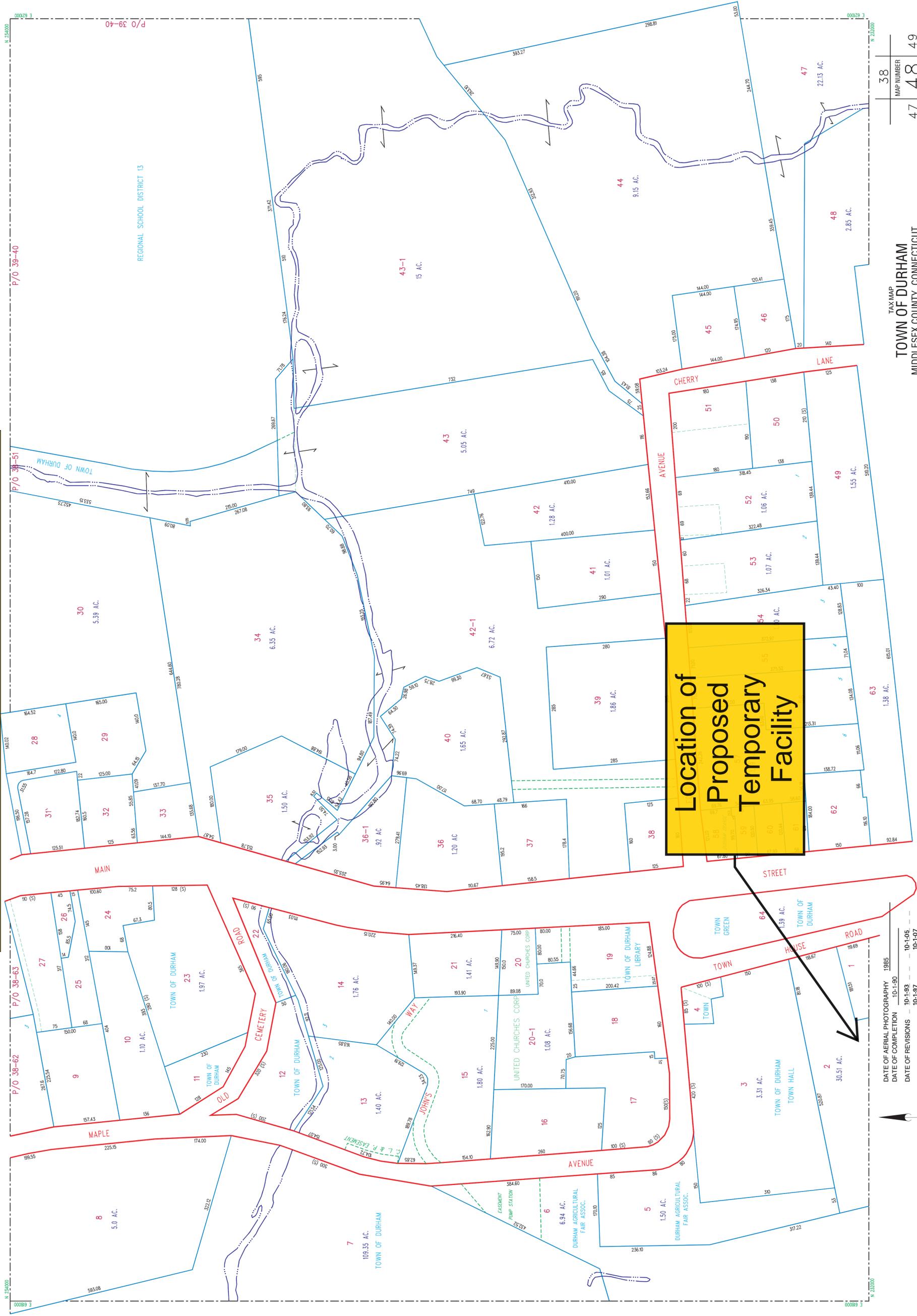
Sales History

Book/Page	Date	Price	Type	Validity
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Out Building Information

Structure Code	Width	Lgth/SqFt	Year	RCNLD
Utility Frame	6	12	1990	\$490
Utility Frame	10	12	1930	\$820
Utility Frame	12	13	1930	\$1,060
Utility Frame	10	12	2002	\$990

Town of Durham Assessor's Map



Location of Proposed Temporary Facility

38	MAP NUMBER
47	48
	49
	58

TAX MAP
TOWN OF DURHAM
 MIDDLESEX COUNTY, CONNECTICUT
 PREPARED BY
 JAMES W. SEWALL COMPANY, OLD TOWN, MAINE
 SCALE: 1 INCH = 100 FEET

DATE OF AERIAL PHOTOGRAPHY	1985
DATE OF COMPLETION	10-1-90
DATE OF REVISIONS	10-1-93
	10-1-97
	10-1-98
	10-1-99
	10-1-02



LEGEND
 PARCEL NUMBERS 2
 MATCHLINE

For Assessment Purposes
 Not To Be Used For Conveyances

Durham Fair 2019 Proposed AT&T Supercolt

Approximate Colt location to be fine tuned with Daniel on day of deployment.

Legend



- 43' Cable yellow jacket for power and fiber
- Supercolt outline



Google earth

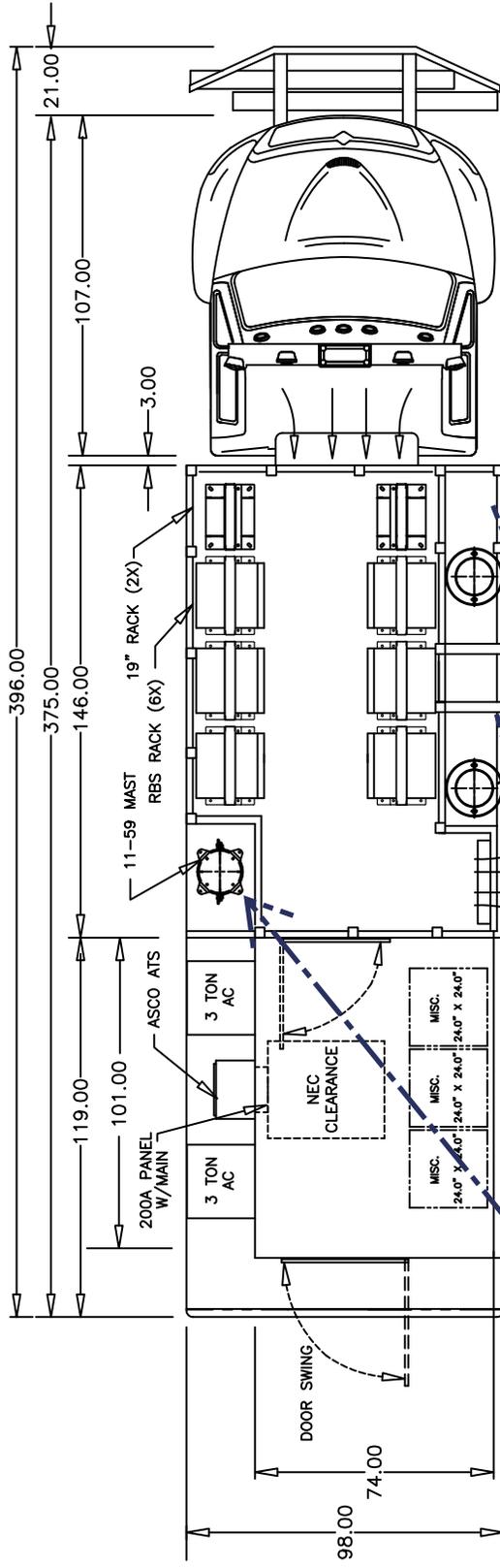
© 2016 Google

100 ft



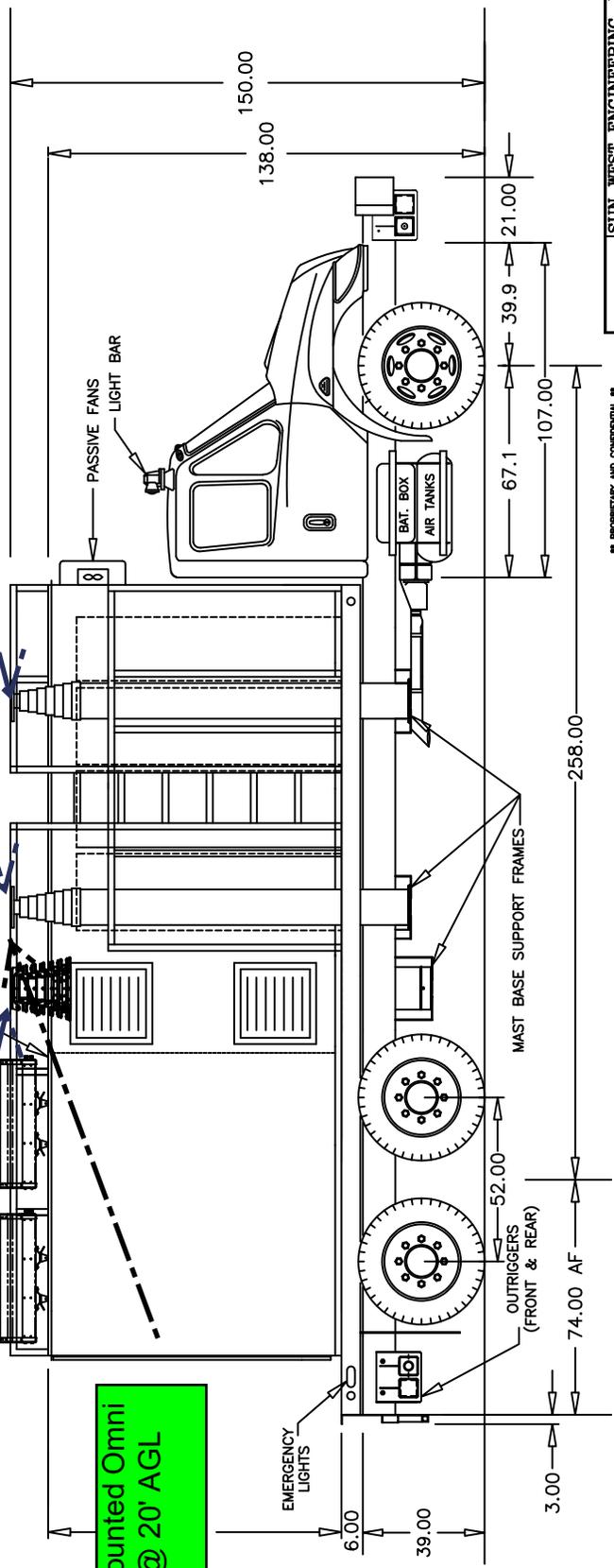


Example of an AT&T COLT
(Masts in Stowed Position)



One 59 ft Mast - 3 Kathrein Antennas @ 50' AGL

Two 38 ft Masts - 2 Kathrein Antennas, 1 CCI antenna and 1 Mating Antenna (4 antennas total) @ 38' AGL



One roof-mounted Omni Antenna @ 20' AGL

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SUN WEST ENGINEERING, INC. 500 E. BROADWAY, FREDERICK, MD 20646 (410) 878-5065	
TITLE: INTERNATIONAL (MODEL 4300) TRUCK "COW" W/ EQUIPMENT CABINET	
PLOT SCALE: 3000:1	SHEET: 1 of 1
DRAWN BY: JZZ/M	DATE DRAWN: 3-3-16
REVISED: 3-18-16	DWG. No. SW-5343R3

COLT Specifications

From: Daniel Miramant [<mailto:dmiramant@aol.com>]

To: Frank Kelley

Subject: CT2301 – 2019 - DURHAM FAIR COW - OWNER LOA

Sent: Thursday, July 11, 2019 9:41 AM

To: Frank Kelley

“This email authorizes AT&T Wireless and/or its authorized agent to file for all necessary federal, state or local permits and approvals for the proposed temporary wireless telecommunications facility located at The Durham Fairgrounds 24 Townhouse Road, Durham, CT ”

Daniel Miramant

President

Durham Agricultural Fair Association

860-559-2421



**UNITED STATES
POSTAL SERVICE®**

Click-N-Ship®

P

usps.com
US POSTAGE \$7.35
 Flat Rate Env
 9405 5036 9930 0063 7757 39 0073 5000 0010 6422



07/20/2019 Mailed from 06268 062S0000000313

PRIORITY MAIL 1-DAY™

Expected Delivery Date: 07/22/19

MARK J ROBERTS
 QC DEVELOPMENT
 PO BOX 916
 STORRS CT 06268-0916

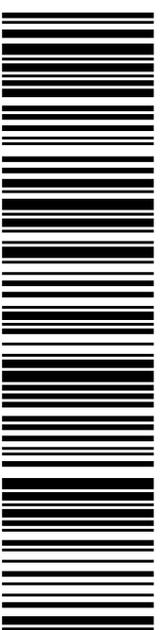
0024

Carrier -- Leave if No Response

R003

SHIP TO: LAURA L FRANCIS
 TOWN OF DURHAM
 30 TOWN HOUSE RD
 CC: DICK MCMANUS
 DURHAM CT 06422-2118

USPS TRACKING #



9405 5036 9930 0063 7757 39

Electronic Rate Approved #038555749



Cut on dotted line.

Instructions

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2. Place your label so it does not wrap around the edge of the package.
3. 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.
4. 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.
5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0063 7757 39

Trans. #: 468625509	Priority Mail® Postage: \$7.35
Print Date: 07/20/2019	Total: \$7.35
Ship Date: 07/20/2019	
Expected Delivery Date: 07/22/2019	

From: MARK J ROBERTS
 QC DEVELOPMENT
 PO BOX 916
 STORRS CT 06268-0916

To: LAURA L FRANCIS
 TOWN OF DURHAM
 30 TOWN HOUSE RD
 CC: DICK MCMANUS
 DURHAM CT 06422-2118

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



Thank you for shipping with the United States Postal Service!
 Check the status of your shipment on the USPS Tracking® page at usps.com



**UNITED STATES
POSTAL SERVICE®**

Click-N-Ship®

P

usps.com 9405 5036 9930 0063 7757 46 0073 5000 0010 6422
US POSTAGE \$7.35
 Flat Rate Enviv



07/20/2019 Mailed from 06268 062S0000000313

PRIORITY MAIL 1-DAY™

Expected Delivery Date: 07/22/19

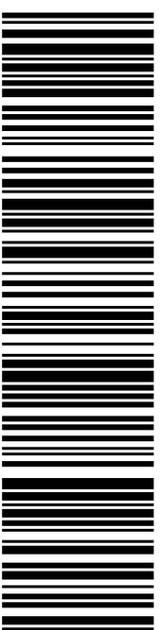
MARK J ROBERTS
 QC ENTERPRISES LLC
 340 HANKS HILL RD
 STORRS CT 06268-2355

0024

Carrier -- Leave if No Response **B002**

SHIP TO: MR. DANIEL MIRAMANT
 DURHAM AGRICULTURAL FAIR ASSOCIATION
 PO BOX 225
 DURHAM CT 06422-0225

USPS TRACKING #



9405 5036 9930 0063 7757 46

Electronic Rate Approved #038555749



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4. 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.
5. Mail your package on the "Ship Date" you selected when creating this label.

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0063 7757 46

Trans. #: 468625509	Priority Mail® Postage: \$7.35
Print Date: 07/20/2019	Total: \$7.35
Ship Date: 07/20/2019	
Expected Delivery Date: 07/22/2019	

From: MARK J ROBERTS
 QC ENTERPRISES LLC
 340 HANKS HILL RD
 STORRS CT 06268-2355

To: MR. DANIEL MIRAMANT
 DURHAM AGRICULTURAL FAIR ASSOCIATION
 PO BOX 225
 DURHAM CT 06422-0225

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SITE ACQUISITION, LLC
 12 INDUSTRIAL WAY
 SALEM, NH 03079

BANK OF AMERICA

$\frac{54-49}{114}$

67641

Pay: *****Six hundred twenty-five dollars and no cents

DATE

CHECK NO.

AMOUNT

June 28, 2019

67641 \$*****625.00

PAY
 TO THE
 ORDER
 OF

Connecticut Siting Council
 10 Franklin Sq
 New Britain, CT 06051

Ann J. Mills

⑈067641⑈ ⑆011400495⑆ 000089877441⑈

CONN03 Connecticut Siting Council SAI SITE ACQUISITION, LLC 67641

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE	
6-28-19	CR062819	Durham Fair CSC App	625.00		625.00	
CHECK DATE	6-28-19	CHECK NUMBER	67641	TOTALS	625.00	625.00