

# Output from NADCON for station WTOD CENTER OF ARRAY

North American Datum Conversion

NAD 27 to NAD 83

NADCON Program Version 2.11

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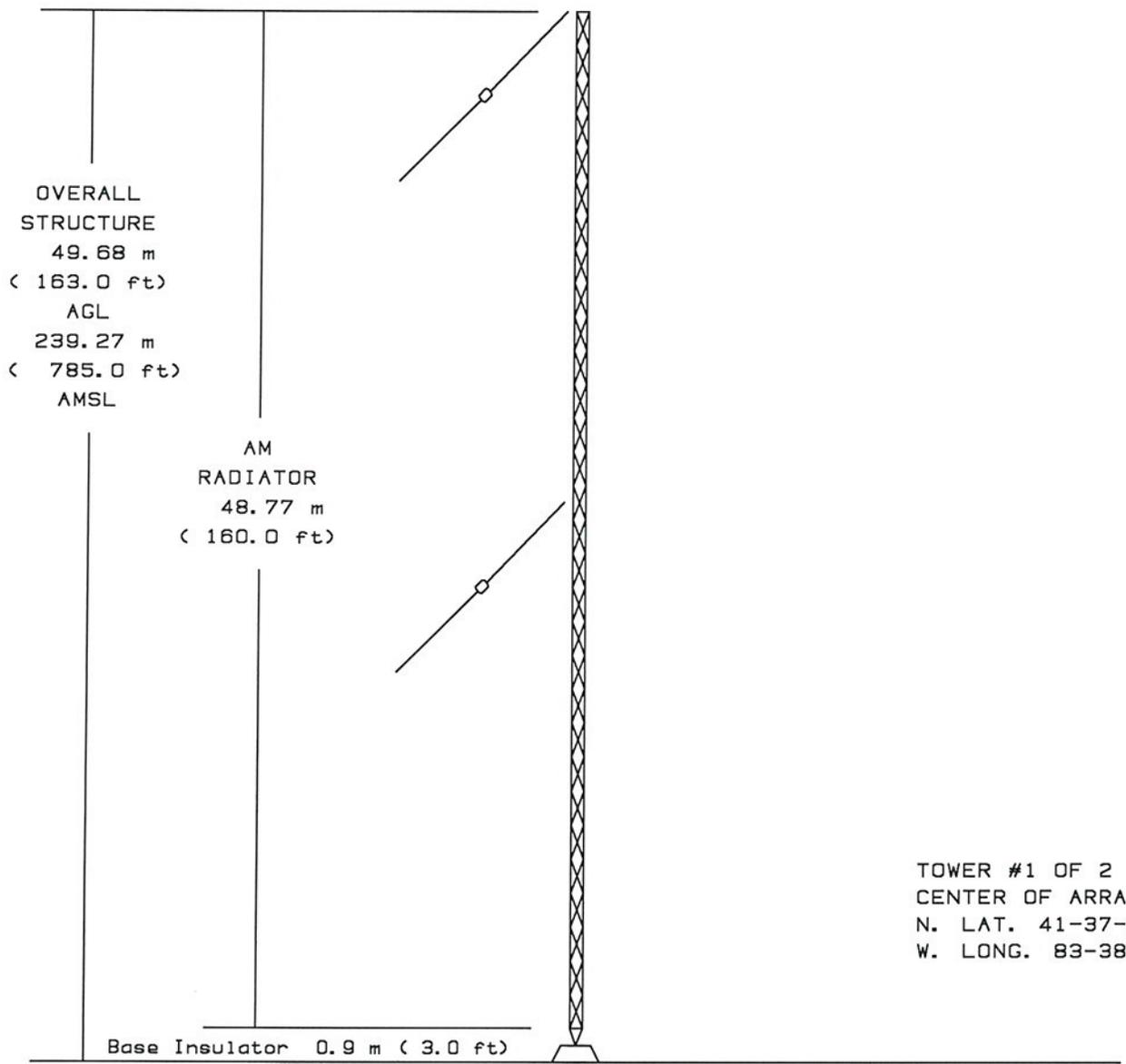
Transformation #: 1                      Region: Conus

	Latitude	Longitude
NAD 27 datum values:	41 37 34.40000	83 38 3.40000
NAD 83 datum values:	41 37 34.58241	83 38 3.16808
NAD 83 - NAD 27 shift values:	0.18241	-0.23192 (secs.)
	5.628	-5.369 (meters)
Magnitude of total shift:		7.778 (meters)



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EXHIBIT #1K1  
MINOR CHANGE APPLICATION  
CUMULUS LICENSING LLC  
WTOD AM RADIO STATION  
1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008



TOWER #1 OF 2  
CENTER OF ARRAY:  
N. LAT. 41-37-34  
W. LONG. 83-38-03

North Latitude 41-37-34 Site Elev 189.59 m ( 622.0 ft) AMSL  
West Longitude 83-38-05  
(Sketch not drawn to scale)

VERTICAL PLAN SKETCH

SITE ELEVATION - 190 m ( 622 ft) AMSL  
TOP OF STRUCTURE - 50 m ( 163 ft) AGL  
239 m ( 785 ft) AMSL  
AM Radiator - 49 m ( 160 ft)  
FIGURES ROUNDED TO NEAREST METER (FOOT).

EXHIBIT #1K2 (a)  
MINOR CHANGE APPLICATION  
CUMULUS LICENSING LLC  
WTOD AM RADIO STATION  
1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008

**GRAHAM BROCK, INC.**  
BROADCAST TECHNICAL CONSULTANTS

# Output from NADCON for station WTOD TWR 1 of 2

North American Datum Conversion

NAD 27 to NAD 83

NADCON Program Version 2.11

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Transformation #: 1                      Region: Conus

	Latitude	Longitude
NAD 27 datum values:	41 37 34.40000	83 38 5.40000
NAD 83 datum values:	41 37 34.58242	83 38 5.16813
NAD 83 - NAD 27 shift values:	0.18242	-0.23187 (secs.)
	5.628	-5.367 (meters)
Magnitude of total shift:		7.777 (meters)



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EXHIBIT #1K2 (b)  
MINOR CHANGE APPLICATION  
CUMULUS LICENSING LLC  
WTOD AM RADIO STATION  
1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008

# TOWAIR Determination Results

## \*\*\* NOTICE \*\*\*

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

### DETERMINATION Results

**Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.**

### Your Specifications

#### NAD83 Coordinates

Latitude	41-37-34.6 north
Longitude	083-38-05.2 west

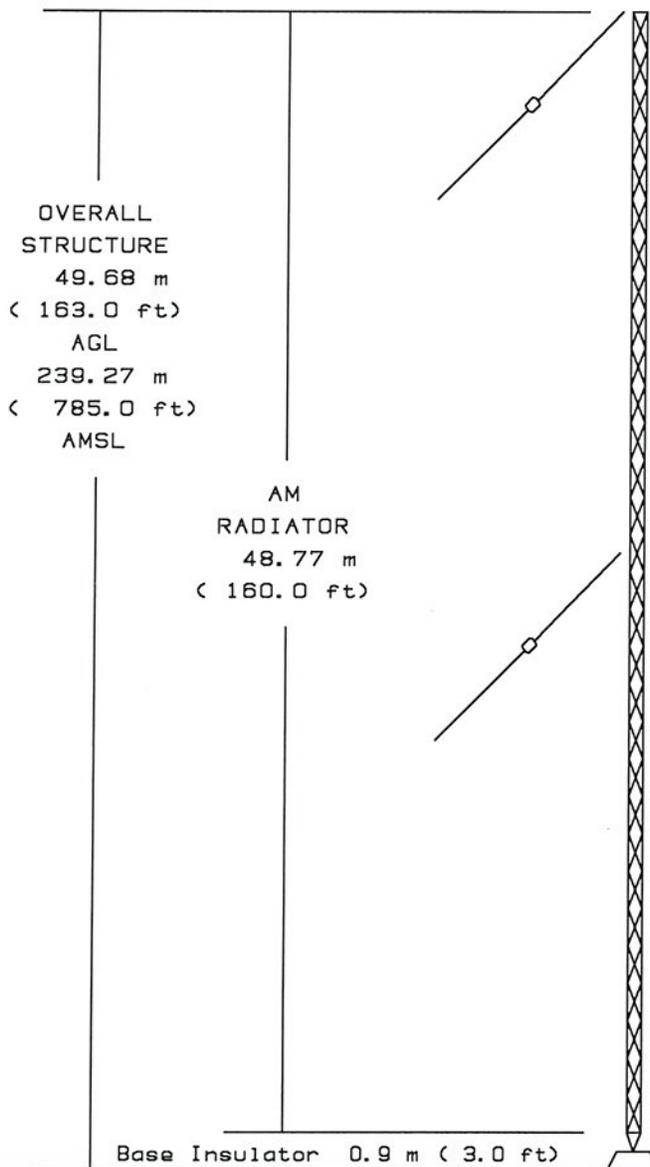
#### Measurements (Meters)

Overall Structure Height (AGL)	49.7
Support Structure Height (AGL)	49.7
Site Elevation (AMSL)	189.6

#### Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

EXHIBIT #1K2(c)  
MINOR CHANGE APPLICATION  
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WTOD AM RADIO STATION  
1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008



TOWER #2 OF 2  
CENTER OF ARRAY:  
N. LAT. 41-37-34  
W. LONG. 83-38-03

North Latitude 41-37-34 Site Elev 189.59 m ( 622.0 ft) AMSL  
West Longitude 83-38-01  
(Sketch not drawn to scale)

### VERTICAL PLAN SKETCH

SITE ELEVATION - 190 m ( 622 ft) AMSL

TOP OF STRUCTURE - 50 m ( 163 ft) AGL  
239 m ( 785 ft) AMSL

AM Radiator - 49 m ( 160 ft)

FIGURES ROUNDED TO NEAREST METER (FOOT).

EXHIBIT #1K3 (a)  
MINOR CHANGE APPLICATION  
CUMULUS LICENSING LLC  
WTOD AM RADIO STATION  
1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008

**GRAHAM BROCK, INC.**  
BROADCAST TECHNICAL CONSULTANTS

# Output from NADCON for station WTOD TWR 2 of 2

North American Datum Conversion

NAD 27 to NAD 83

NADCON Program Version 2.11

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Transformation #: 1                      Region: Conus

	Latitude	Longitude
NAD 27 datum values:	41 37 34.40000	83 38 1.30000
NAD 83 datum values:	41 37 34.58239	83 38 1.06803
NAD 83 - NAD 27 shift values:	0.18239	-0.23197 (secs.)
	5.627	-5.370 (meters)
Magnitude of total shift:		7.778 (meters)



[NGS HOME PAGE](#)

EXHIBIT #1K3 (b)  
MINOR CHANGE APPLICATION  
CUMULUS LICENSING LLC  
WTOD AM RADIO STATION  
1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008

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##### NAD83 Coordinates

Latitude	41-37-34.6 north
Longitude	083-38-01.1 west

##### Measurements (Meters)

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Site Elevation (AMSL)	189.6

##### Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

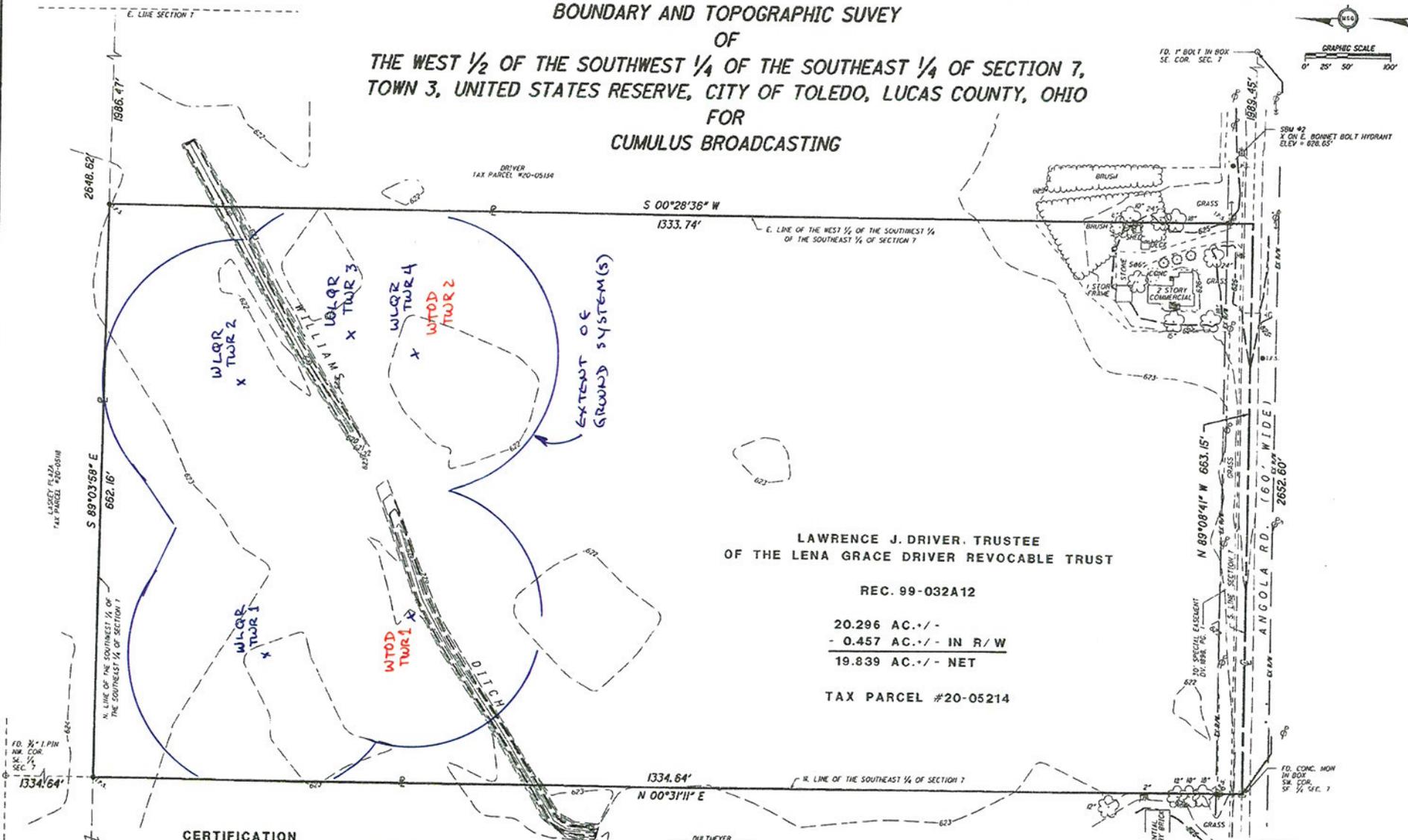
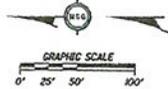
EXHIBIT #1K3(c)  
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1560 kHz 0.002/4.3 kW DA2  
TOLEDO, OHIO  
February 2008

11/16/2007 9:47:45 AM

S:\Projects\Projects A-E\C202A2A.CADD\BASE\C202A2A-a\_Bulk.dwg

# BOUNDARY AND TOPOGRAPHIC SUVEY

## OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 7, TOWN 3, UNITED STATES RESERVE, CITY OF TOLEDO, LUCAS COUNTY, OHIO FOR CUMULUS BROADCASTING



LAWRENCE J. DRIVER, TRUSTEE  
OF THE LENA GRACE DRIVER REVOCABLE TRUST

REC. 99-032A12

20.296 AC. +/-  
- 0.457 AC. +/- IN R/W  
19.839 AC. +/- NET

TAX PARCEL #20-05214

### CERTIFICATION

THIS SURVEY MEETS THE REQUIREMENTS OF PARAGRAPH 1(B) OF RULE 4723-37-04 OF THE ADMINISTRATIVE CODE. THE UNDERSIGNED STATES TO THE CORPORATION NAMED HEREON THAT THIS PLOT REPRESENTS A TRUE AND ACCURATE SURVEY MADE BY THE UNDERSIGNED AS ESTABLISHED BY ACTUAL FIELD MEASUREMENTS; THAT NO ENCROACHMENTS BY OR ON THE PLATTED PREMISES EXIST, UNLESS OTHERWISE SHOWN AND NOTED.

*James A. Broadbent* 11/16/07  
JAMES A. BROADBENT  
REGISTERED PROFESSIONAL SURVEYOR  
STATE OF OHIO #4829



**EXHIBIT #1L**

NOTES:  
THIS SURVEY BASED ON DOCUMENTS OBTAINED FROM THE LUCAS COUNTY RECORDER. BEARINGS BASED ON STATE PLANE GRID. OHIO NORTH 1200E ADJUSTMENTS AS ESTABLISHED BY GPS OBSERVATIONS. BENCH MARK ELEVATIONS BASED ON LUCAS COUNTY DATUM AND LUCAS COUNTY BEACH MARK #58.

**The Mannik & Smith**  
8600 Indian Wood Circle  
Blanchard, Ohio 43018  
Choup, Inc.  
Tel: 419-238-2222  
Fax: 419-381-1336  
Civil Engineering, Surveying and Environmental Consulting