



CONSULTING COMMUNICATIONS ENGINEERS

1306 W. County Road F, St. Paul, MN 55112
(612) 631-1338 • Fax (612) 631-3502

**ENGINEERING EXHIBIT FOR
APPLICATION FOR FM CONSTRUCTION PERMIT
KENNETH F. ROSER, JR.
WHITESBORO, NEW YORK**

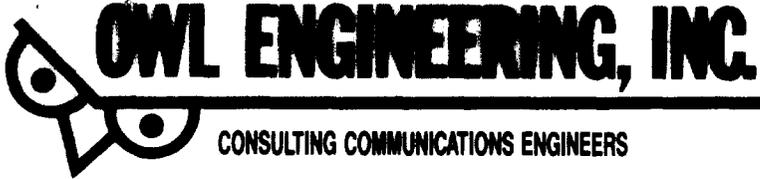
CHANNEL 250

1.65 KW(H&V)

191 METERS

May 8, 1992

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ENGINEERING STATEMENT

This engineering exhibit, of which this statement is a part, was prepared in accordance with the Rules and Regulations of the Federal Communications Commission and pursuant to the provisions of Section V-B of FCC Form 301 on behalf of KENNETH F. ROSER, JR. (hereafter Roser) in support of an application for authority to construct an FM broadcast facility operating on channel 250 (97.9 Mhz) at WHITESBORO, NEW YORK. The effective radiated power proposed is 1.65 KW, both in the horizontal and vertical plane, and the antenna center of radiation is 191 meters. This power/height combination is a maximized class A facility permitted under the current rules and regulations.

Notification of the proposed tower modification has been made to the Eastern Regional office of the FAA. Engineering specifications for the major aspects of the proposed tower are included in figure E-2.



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PROPOSED TRANSMITTER AND STUDIO LOCATIONS

Roser proposes to operate from a site uniquely described by the geographic coordinates:

43° 02' 14" North Latitude

75° 26' 40" West Longitude

Figure E-4 is a portion of the Clinton, New York 7.5 minute U.S.G.S. topographic quadrangle map showing the proposed transmitter site. Roser proposes to co-locate with radio stations WUUU, WFRG and WFXV(TV). Roser assumes responsibility for any intermodulation or objectionable interference and will correct any such problems should they arise.

Because the area is Rural, there is not expected to be any problem with blanketing interference. The applicant is aware of the provisions of Section 73.318 of the FCC's Rules and the requirement for satisfying all complaints of blanketing interference that are received with-in a one-year period.

The main studio for the station will be located in the WHITESBORO area at a site to be determined.



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COVERAGE CONTOURS

The three-to-sixteen-kilometer average terrain elevations were derived from the National Geophysical Data Center (NGDC) 30-second topography data base. However, the site elevation was determined from the U.S.G.S. 7.5 minute Clinton topography quadrangle map.

The effective antenna radiation center height for each of the eight standard 45-degree spaced radials was used in conjunction with the F(50,50) metric curves of Figure 1 of Section 73.333 of the Rules to determine the distances to the 70 dBu and 60 dBu coverage contours. The contours drawn from the data are depicted on the map in figure E-5. As is readily evident, all of WHITESBORO, NEW YORK is included within the proposed 70 dBu coverage contour as required by the rules.



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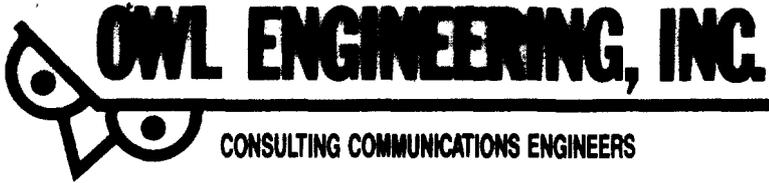
CHANNEL 250 1.65 KW 191 METERS

POPULATION AND AREA DATA

Based on the 1990 U.S. Census of Population, the number of persons enclosed by the proposed 60 dBu coverage contour is 263,167 persons. The population count was made through the employment of a computer program containing a data base including the geographic coordinates of the centroids of population groupings. The area within the proposed 60 dBu coverage contour is 2,550 square kilometers. This area was determined by a computerized integration program.

ALLOCATION CONSIDERATIONS

A review of allotments and assignments on channel 250, on the three immediately upper adjacent and the three immediately lower adjacent channels, included as Engineering Exhibit E-7, showed that the site proposed would not be in accordance with section 73.207 of the FCC Rules.



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CHANNEL 250 1.65 KW 191 METERS

ALLOCATION CONSIDERATIONS CONTINUED

Engineering Exhibit E-7 shows the channel spacing study for Roser's proposed site. The spacing study shows a short spaced condition with the radio station WPXY at Rochester, NY. Please see Engineering Exhibit E-8 for an explanation of this short spaced condition. As a result of this short spaced condition, processing pursuant to FCC Rules Section 73.215 is required. Utilization of a directional antenna will not be required. Roser hereby requests processing under FCC Rules Section 73.215



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ENVIRONMENTAL IMPACT STATEMENT

The instant proposal is categorically excluded from environmental processing since none of the conditions of Section 1.1306(b)(2) and (3) would be involved for the following reasons:

1) The site proposed is not in or near any location referenced in Section 1.1306(b)(1) as being of environmental interest.

2) The provisions of Section 1.1306(b)(2) relating to the use of high intensity strobe lighting does not apply since the antenna height proposed with this application does not require this form of lighting to be utilized.

3) Compliance to Section 1.1306(b)(3) regarding human exposure to RF radiation was examined for multiple sources. A search was made about the proposed site coordinates to locate any additional sources of RF radiation. Radio stations WUUU, WFRG and WFXV(TV) are the only other contributing sources.



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CHANNEL 250 1.65 KW 191 METERS

ENVIRONMENTAL CONSIDERATIONS CONTINUED

The proposed antenna will be mounted on an existing tower with the antennas for WUUU and WFRG. WUUU is licensed for 27 KW Effective Radiated Power. WFRG is licensed for 7.4 KW Effective Radiated Power. In order to calculate the power density taking into account all FM sources, it will be assumed that the three radiation sources are located at the lowest antenna height and their contribution is additive for a worst case analysis. The antenna for WFRG is located nearest the ground at a height of 39 meters. The total radiated power from the three sources is 72.1 KW.

Referring to Table 1, Appendix B OST Bulletin No. 65, and assuming a worst case analysis by using a 2 bay antenna, the minimum height required for compliance with ANSI exposure guidelines is 23.6 meters (read from the 75 KW row). Since the nearest antenna is actually 39 meters above ground, the proposed FM contribution to the ANSI limit is within guidelines.

Television station WFXV is located 53 meter above ground with 42.7 KW ERP. Utilizing equation 5 in OST Bulletin No. 65 with the values shown below, the power density can be found to be 0.315 mW/cm^2 , or 16 percent of the ANSI limit of 1.957.



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ENVIRONMENTAL CONSIDERATIONS CONTINUED

**VERP = 42.7 KW
AERP = 0.22*VERP
D = 53 meters
pi = 3.146
F = 1**

Adding the contributions of FM and TV fields the value should be less than 100 percent. The percentage of the FM contribution to the total field is 37 percent (the square of the ratio of the minimum height to the actual height). Adding this to the 16 percent due to the TV field, the total exposure is 53 percent of the ANSI limit.

Access to RF circuitry will be restricted. Signs will be posted warning of the potential danger. If awarded the construction permit for channel 250, Roser will come to agreement with all licensees located at the proposed site (before program tests commence) requiring all stations to reduce power or cease operations when persons require access to the site for maintenance purposes. Hence, the conditions of Section 1.1306(b)(3) would not be involved.

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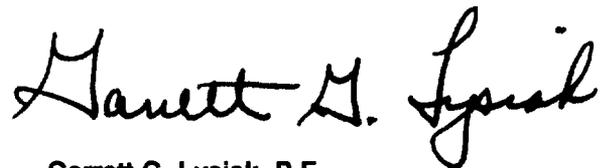
CHANNEL 250 1.65 KW 191 METERS

CONCLUSIONS

Based on the engineering studies provided, the following conclusions can be obtained:

- (1) Implementation of the instant proposal will provide WHITESBORO with a full time aural broadcast service.
- (2) 263,167 persons in 2,550 square kilometers would have an available signal strength of 60 dBu or greater from the proposed construction location.
- (3) All of WHITESBORO would be served with a signal of 70 dBu or greater from the proposed construction site.
- (4) The proposal is in complete conformance with all technical rules of the Federal Communications Commission.




Garrett G. Lysiak, P.E.

May 8, 1992

SECTION V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____
--	--

Name of Applicant
KENNETH F. ROSER, JR.

Call letters (if issued) N/A	Is this application being filed in response to a window? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, specify closing date: <u>05/14/1992</u>
--	---

Purpose of Application: (check appropriate box(es))

- | | |
|---|---|
| <input checked="" type="checkbox"/> Construct a new (main) facility
<input type="checkbox"/> Modify existing construction permit for main facility
<input type="checkbox"/> Modify licensed main facility | <input type="checkbox"/> Construct a new auxiliary facility
<input type="checkbox"/> Modify existing construction permit for auxiliary facility
<input type="checkbox"/> Modify licensed auxiliary facility |
|---|---|

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- | | |
|---|---|
| <input type="checkbox"/> Antenna supporting-structure height
<input type="checkbox"/> Antenna height above average terrain
<input type="checkbox"/> Antenna location
<input type="checkbox"/> Main Studio location | <input type="checkbox"/> Effective radiated power
<input type="checkbox"/> Frequency
<input type="checkbox"/> Class
<input type="checkbox"/> Other (Summarize briefly) |
|---|---|

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
250	City Whitesboro	County Oneida	State NY

Class (check only one box below)

- A B1 B C3
 C2 C1 C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

4.1 kilometers to Farmers Mills, NY at a bearing of 111.7 degrees atop Prospect Hill.

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude N 43 ° 02 ' 14 "	Longitude W 75 ° 26 ' 40 "
---------------------------------------	--

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)?

Yes No

If Yes, give call letter(s) or file number(s) or both.

WUUU, WFRG, WFXV

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

Yes No

If Yes, list old coordinates.

Latitude	Longitude
----------	-----------

5. Has the FAA been notified of the proposed construction?

Yes No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No. E-1

Date 5/8/92 Office where filed Eastern Region

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>N/A</u>	_____	_____
(b) _____	_____	_____

7. (a) Elevation: (to the nearest meter)

- (1) of site above mean sea level: 420 meters
- (2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 61 meters
- (3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 481 meters

(b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

- (1) above ground 45 meters (H)
- 45 meters (V)
- (2) above mean sea level [(a)(1) + (b)(1)] 465 meters (H)
- 465 meters (V)
- (3) above average terrain 191 meters (H)
- 191 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No. E-2

9. Effective Radiated Power:

(a) ERP in the horizontal plane 1.65 kw (H*) 1.65 kw (V*)

(b) Is beam tilt proposed?

Yes No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No. N/A

Polarization N/A kw (H) N/A kw (V*)

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed?

Yes No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.
N/A

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

Yes No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.
N/A

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

Yes No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
N/A

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

Yes No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

Yes No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.
N/A

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
E-8

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.
E-9

(1) Protected and interfering contours, in all directions (360°), for the proposed operation.

(2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.

(3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.

(4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.

(5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

Yes No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.
E-3

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
E-4

16. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
E-5

BINGHAMTON/UTICA MAPS, SCALE 1:250,000

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 2,550 sq. km. Population 263,167

18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313)

Source of terrain data: (check only one box below)

Linearly interpolated 30-second database

7.5 minute topographic map

(Source: NGDC)

Other (briefly summarize)

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*	283	19.8	34.1
0	274	19.5	33.6
45	281	19.8	34.0
90	206	16.8	29.2
135	84	10.7	19.2
180	111	12.2	22.2
225	86	10.8	19.4
270	213	17.1	29.7
315	274	19.5	33.6

* Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

Yes No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

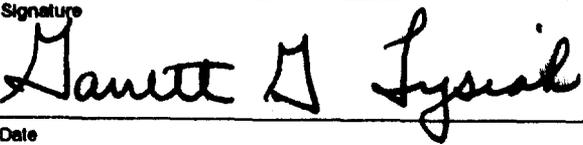
If No, explain briefly why not.

Exhibit No.
E-6

Please see Engineering Exhibit E-6

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) Garrett G. Lysiak, P.E.	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature 	Address (Include ZIP Code) 1306 West County Road F. Arden Hills, MN 55112
Date 05/08/1992	Telephone No. (Include Area Code) (612) 631-1338

ENGINEERING EXHIBIT E-1

DO NOT REMOVE CARBONS

Form Approved OMB No. 2120-0001

<p align="center">NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION</p> <p>US Department of Transportation Federal Aviation Administration</p>	Aeronautical Study Number
---	---------------------------

1. Nature of Proposal <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; border: 1px solid black; padding: 2px;"> A. Type <input type="checkbox"/> New Construction <input checked="" type="checkbox"/> Alteration </td> <td style="width:33%; border: 1px solid black; padding: 2px;"> B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months) </td> <td style="width:33%; border: 1px solid black; padding: 2px;"> C. Work Schedule Dates Beginning <u>As per FCC</u> End <u>approval</u> </td> </tr> </table>	A. Type <input type="checkbox"/> New Construction <input checked="" type="checkbox"/> Alteration	B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)	C. Work Schedule Dates Beginning <u>As per FCC</u> End <u>approval</u>	2. Complete Description of Structure A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM, or TV broadcast stations utilizing this structure. B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports. C. Include information showing site orientation, dimensions and construction materials of the proposed structure.
A. Type <input type="checkbox"/> New Construction <input checked="" type="checkbox"/> Alteration	B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)	C. Work Schedule Dates Beginning <u>As per FCC</u> End <u>approval</u>		

3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State and Zip Code) (315) <u>732-3374</u> area code Telephone Number TO Kenneth F Roser, Jr. Box 195-F Graham Road Utica, NY 13502	A) 27.0 KW 102.5 MHz 7.4 KW 96.1 MHz 1.65 KW 97.9 MHz* 42.7 KW 587 MHz (ch. 33) B) Does not apply. C) Addition of 97.9 MHz on existing tower. * Proposed alteration (If more space is required, continue on a separate sheet.)
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B. Name, address and telephone number of proponent's representative if different than 3 above. Michael W Radovich Owl Engineering, Inc. 1306 W County Road F, Ste 105 Arden Hills, MN 55112 (612)631-1338	
--	--

4. Location of Structure <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; border: 1px solid black; padding: 2px;"> A. Coordinates (To nearest second) 43° 02' 14" Latitude 75° 26' 40" Longitude </td> <td style="width:33%; border: 1px solid black; padding: 2px;"> B. Nearest City, Town and State Farmers Mills, NY (1) Distance to 4B 2.5 miles Miles (2) Direction to 4B 111.7° </td> <td style="width:33%; border: 1px solid black; padding: 2px;"> C. Name of nearest airport, heliport, flightpark, or seaplane base UCA (1) Distance from structure to nearest point of nearest runway 7.0216 nm (2) Direction from structure to airport 22.195° </td> </tr> </table>	A. Coordinates (To nearest second) 43° 02' 14" Latitude 75° 26' 40" Longitude	B. Nearest City, Town and State Farmers Mills, NY (1) Distance to 4B 2.5 miles Miles (2) Direction to 4B 111.7°	C. Name of nearest airport, heliport, flightpark, or seaplane base UCA (1) Distance from structure to nearest point of nearest runway 7.0216 nm (2) Direction from structure to airport 22.195°	5. Height and Elevation (Complete to the nearest foot) A. Elevation of site above mean sea level 1378 B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated 200 C. Overall height above mean sea level (A + B) 1578
A. Coordinates (To nearest second) 43° 02' 14" Latitude 75° 26' 40" Longitude	B. Nearest City, Town and State Farmers Mills, NY (1) Distance to 4B 2.5 miles Miles (2) Direction to 4B 111.7°	C. Name of nearest airport, heliport, flightpark, or seaplane base UCA (1) Distance from structure to nearest point of nearest runway 7.0216 nm (2) Direction from structure to airport 22.195°		

D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). (if more space is required, continue on a separate sheet of paper and attach to this notice.)

2.5 miles to Farmers Mills, NY, at a bearing of 111.7° atop Prospect Hill.

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.

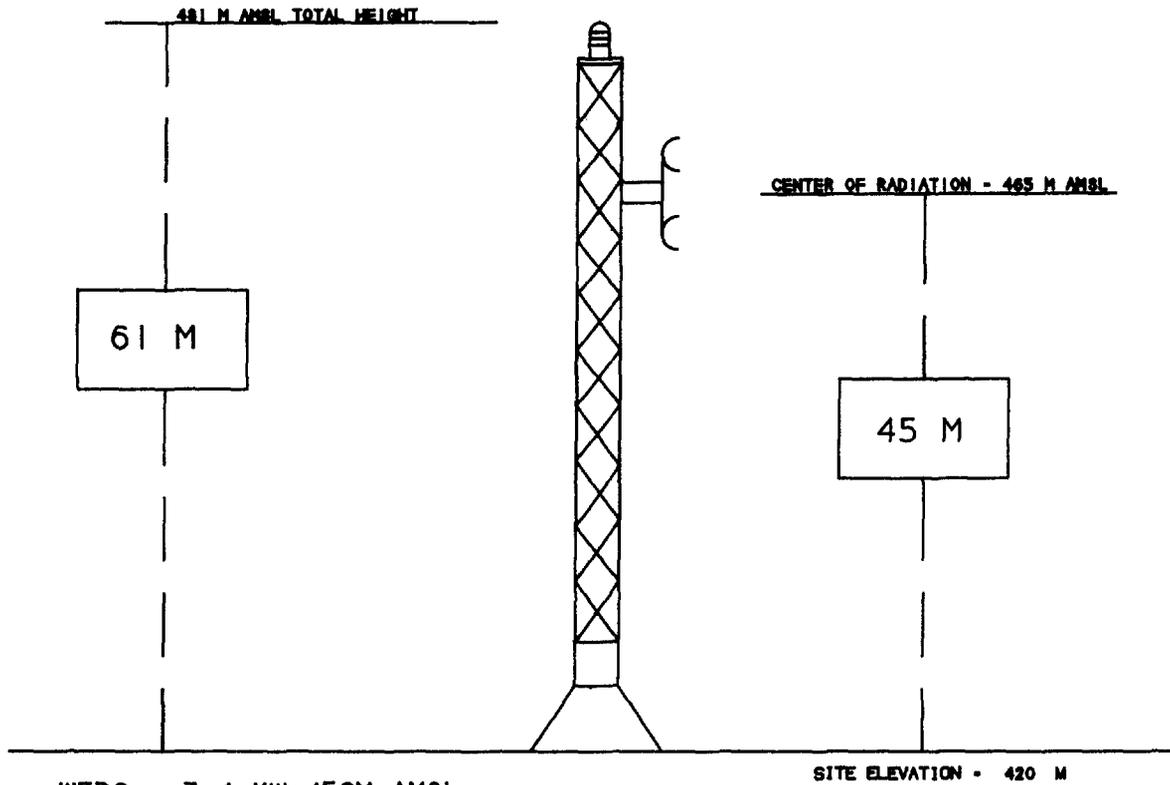
Date 5/8/92	Typed Name/Title of Person Filing Notice Michael Radovich/Engineer	Signature
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Remarks:

Comments:

Notes:

Other:



WFRG - 7.4 KW 459M AMSL
 WUUU - 27 KW 472M AMSL
 WXFV(TV) - 42.7 KW 473M AMSL

OWL ENGINEERING, INC.
 ENGINEERING EXHIBIT E-2

WHITESBORO, NY
 NOT TO SCALE

OTHER ANTENNAS
 NOT DEPICTED

CHANNEL 250A



CONSULTING COMMUNICATIONS ENGINEERS

1306 W. County Road F, St. Paul, MN 55112
(612) 631-1338 • Fax (612) 631-3502

**ENGINEERING EXHIBIT E-3
APPLICATION FOR FM CONSTRUCTION PERMIT
KENNETH F. ROSER, JR.
WHITESBORO, NEW YORK**

CHANNEL 250 1.65 KW 191 METERS

PROPOSED TRANSMITTER AND STUDIO LOCATIONS

Roser proposes to operate from a site uniquely described by the geographic coordinates:

43° 02' 14" North Latitude
75° 26' 40" West Longitude

Figure E-4 is a portion of the Clinton, New York 7.5 minute U.S.G.S. topographic quadrangle map showing the proposed transmitter site. Roser proposes to co-locate with radio stations WUUU, WFRG and WFXV(TV). Roser assumes responsibility for any intermodulation or objectionable interference and will correct any such problems should they arise.

Because the area is Rural, there is not expected to be any problem with blanketing interference. The applicant is aware of the provisions of Section 73.318 of the FCC's Rules and the requirement for satisfying all complaints of blanketing interference that are received within a one-year period.

Figure E-2 is a sketch showing important elevations for the antenna and its supporting structure at the proposed construction site.

The main studio for the station will be located in the WHITESBORO area at the site to be determined.

76° 00' 00"

75° 00' 00"

43° 00' 00"

WPXY- LIC.

60 DBU F(50.10)
PROPOSED SITE

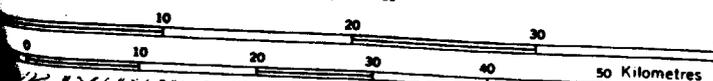
PROPOSED SITE

40 DBU F(50.10)
WPXY SITE

STATE OF NEW YORK

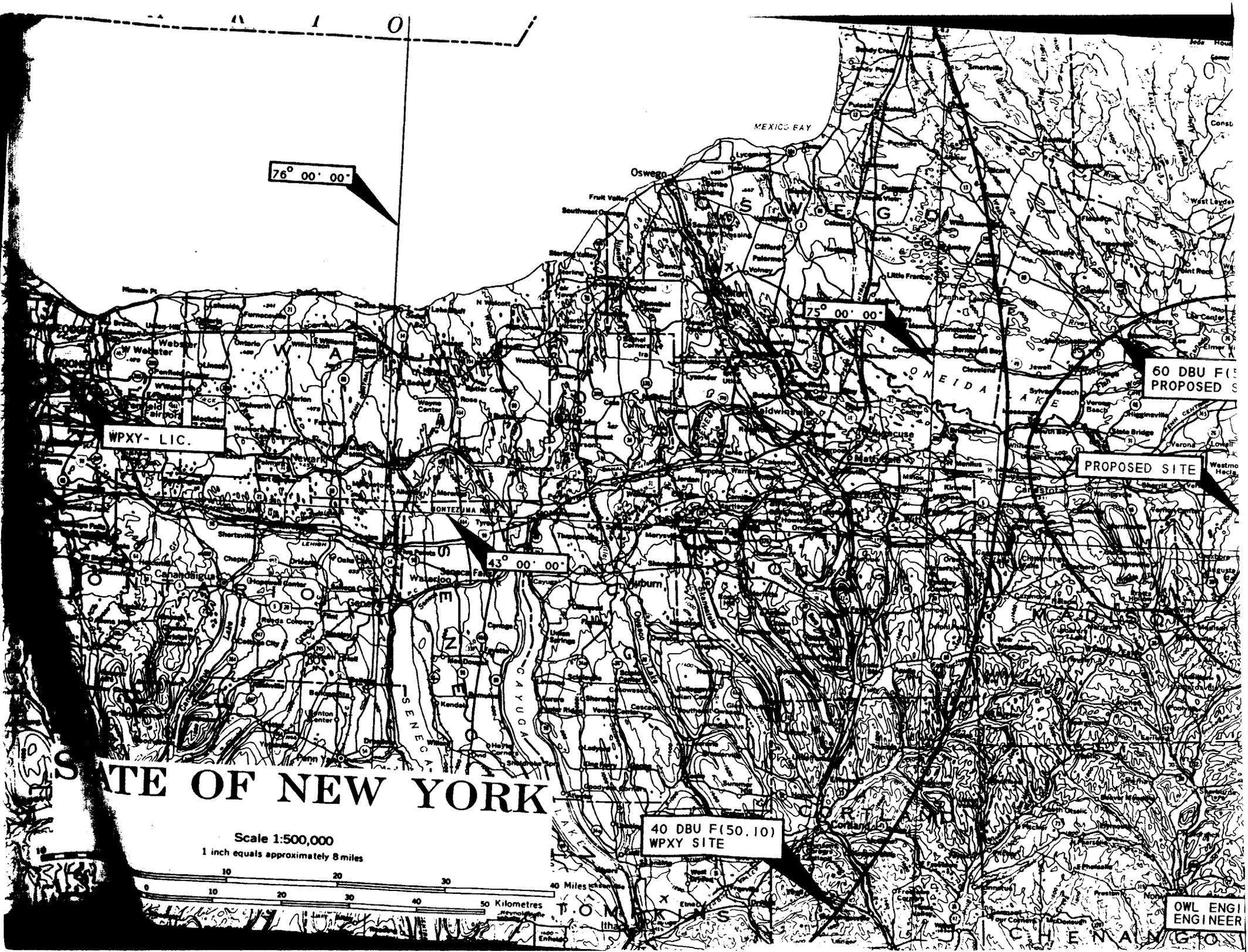
Scale 1:500,000

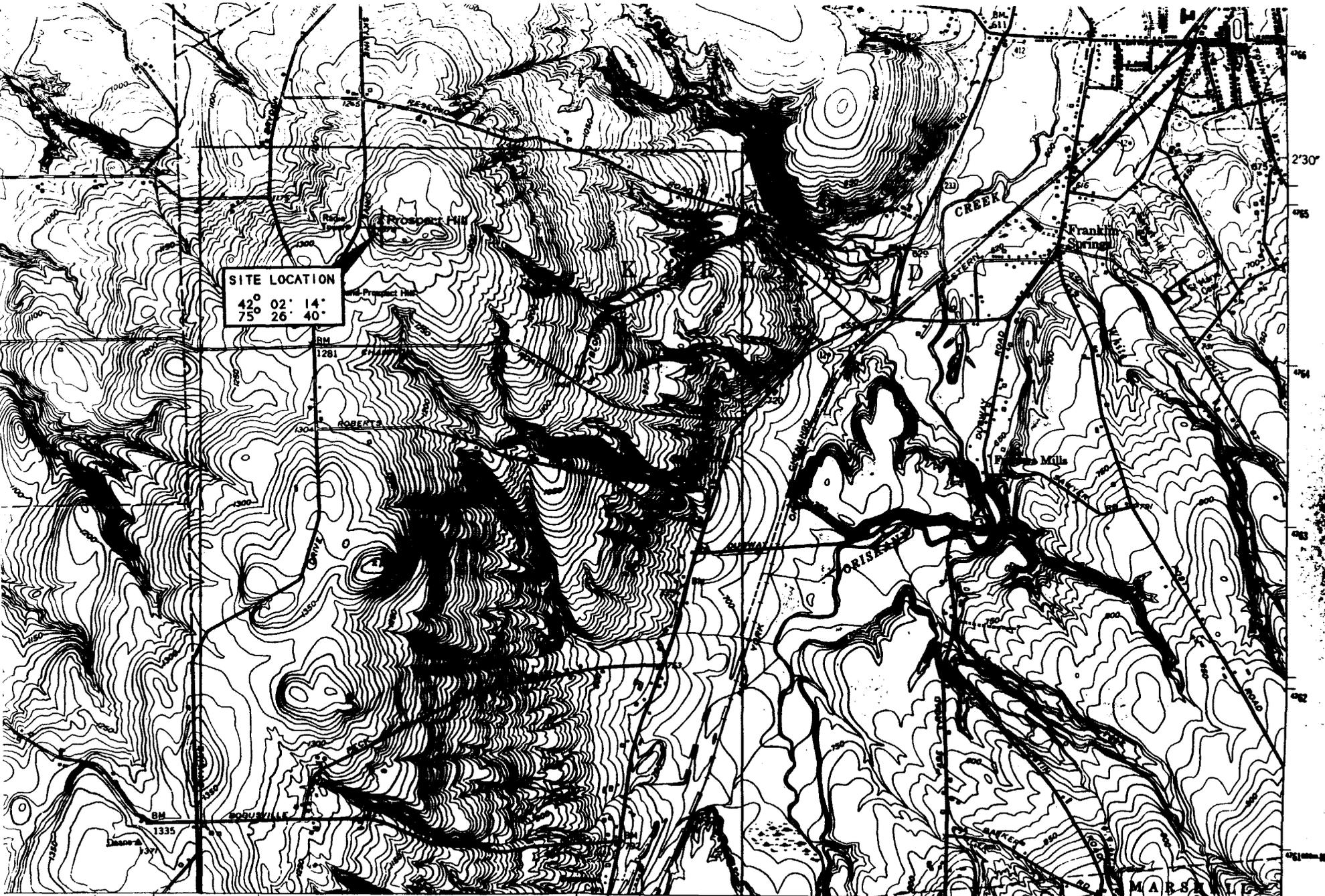
1 inch equals approximately 8 miles



OWL ENGI
ENGINEER

J. H. ENALING CO.



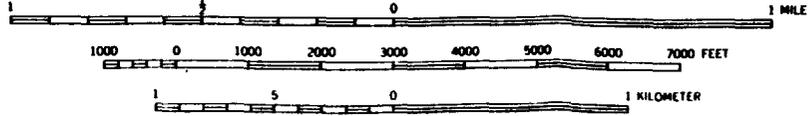


SITE LOCATION
 42° 02' 14"
 75° 26' 40"

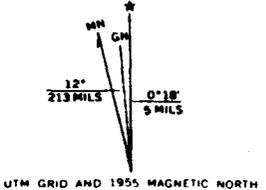
800 000 FEET 27°30' 43

(ORISKANY FALLS) 5866 IV NW 25' 45' 46' 47' 43°00' 75°22'30"

SCALE 1:24000



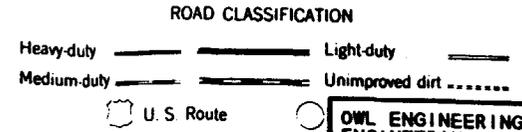
CONTOUR INTERVAL 10 FEET
 DATUM IS MEAN SEA LEVEL



UTM GRID AND 1955 MAGNETIC NORTH



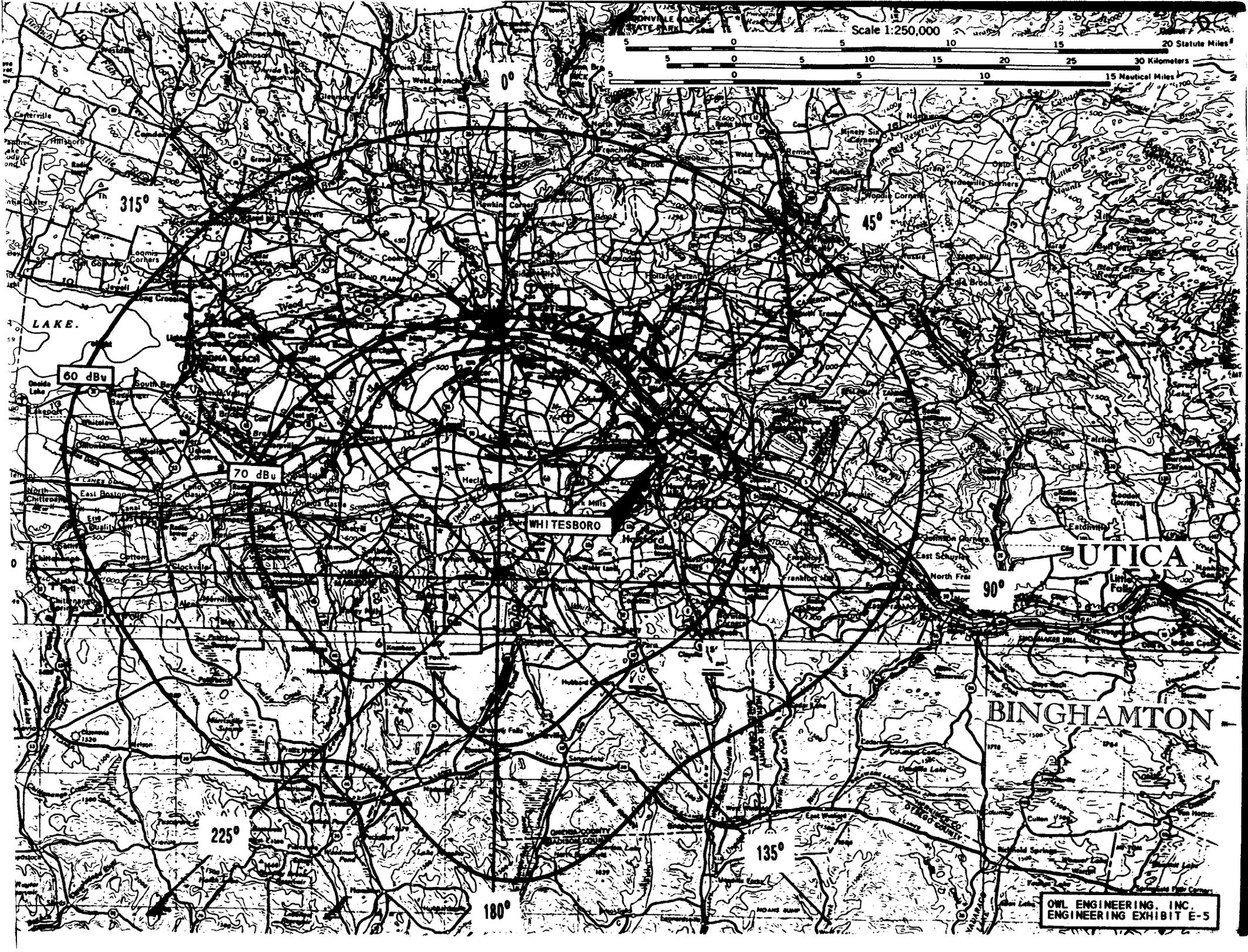
ORISKANY FALLS LOCATION



OWL ENGINEERING, INC.
 ENGINEERING EXHIBIT E-4

CLINTON, N. Y.

CLINTON
 5866 IV NW



Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles
0 5 10 15 20 25 30 Kilometers
0 5 10 15 Nautical Miles

60 dBu

70 dBu

WHITESBORO

UTICA

BINGHAMTON

225°

135°

180°

OWI ENGINEERING, INC.
ENGINEERING EXHIBIT E-5

T A R I O

76° 00' 00"

34 DBU F(50.10)
PROPOSED SITE

75° 00' 00"

PROPOSED SITE

WPXY- LIC.

54 DBU F(50.50)
WPXY SITE

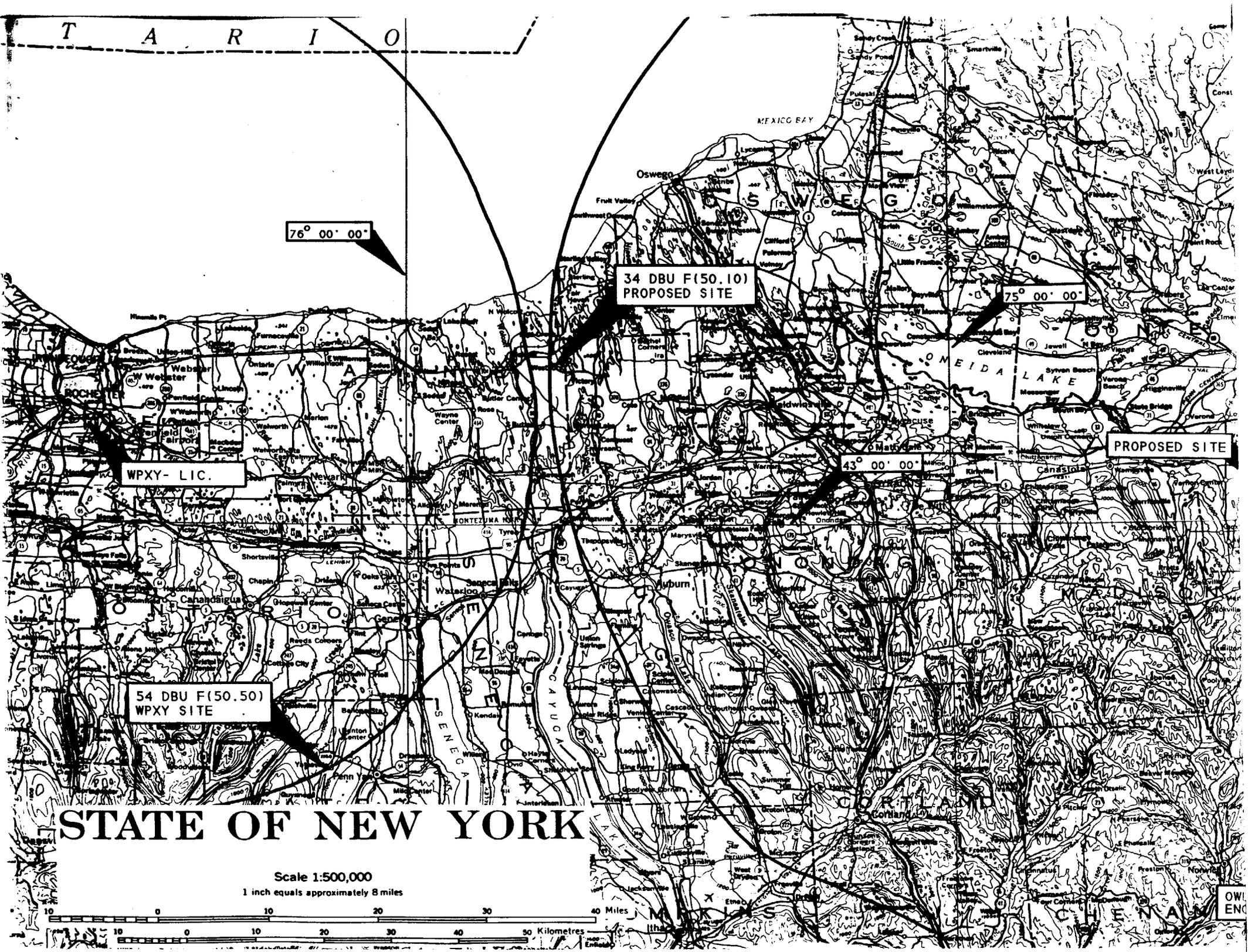
STATE OF NEW YORK

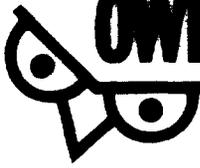
Scale 1:500,000

1 inch equals approximately 8 miles

0 10 20 30 40 Miles

0 10 20 30 40 50 Kilometres





**ENGINEERING EXHIBIT E-6
APPLICATION FOR FM CONSTRUCTION PERMIT
KENNETH F. ROSER, JR.
WHITESBORO, NEW YORK**

CHANNEL 250 1.65 KW 191 METERS

ENVIRONMENTAL IMPACT STATEMENT

The instant proposal is categorically excluded from environmental processing since none of the conditions of Section 1.1306(b)(2) and (3) would be involved for the following reasons:

1) The site proposed is not in or near any location referenced in Section 1.1306(b)(1) as being of environmental interest.

2) The provisions of Section 1.1306(b)(2) relating to the use of high intensity strobe lighting does not apply since the antenna height proposed with this application does not require this form of lighting to be utilized.

3) Compliance to Section 1.1306(b)(3) regarding human exposure to RF radiation was examined for multiple sources. A search was made about the proposed site coordinates to locate any additional sources of RF radiation. Radio stations WUUU, WFRG and WFXV(TV) are the only other contributing sources.



**ENGINEERING EXHIBIT E-6
MODIFICATION OF CONSTRUCTION PERMIT
KENNETH F. ROSER, JR.
WHITESBORO, NEW YORK**

CHANNEL 250 1.65 KW 191 METERS

ENVIRONMENTAL CONSIDERATIONS CONTINUED

The proposed antenna will be mounted on an existing tower with the antennas for WUUU and WFRG. WUUU is licensed for 27 KW Effective Radiated Power. WFRG is licensed for 7.4 KW Effective Radiated Power. In order to calculate the power density taking into account all FM sources, it will be assumed that the three radiation sources are located at the lowest antenna height and their contribution is additive for a worst case analysis. The antenna for WFRG is located nearest the ground at a height of 39 meters. The total radiated power from the three sources is 72.1 KW.

Referring to Table 1, Appendix B OST Bulletin No. 65, and assuming a worst case analysis by using a 2 bay antenna, the minimum height required for compliance with ANSI exposure guidelines is 23.6 meters (read from the 75 KW row). Since the nearest antenna is actually 39 meters above ground, the proposed FM contribution to the ANSI limit is within guidelines.

Television station WFXV is located 53 meter above ground with 42.7 KW ERP. Utilizing equation 5 in OST Bulletin No. 65 with the values shown below, the power density can be found to be 0.315 mW/cm^2 , or 16 percent of the ANSI limit of 1.957.