

~~910516MD~~

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LAW OFFICES  
LEVENTHAL, SENTER & LERMAN  
SUITE 600

2000 K STREET, N.W.  
WASHINGTON, D.C. 20006-1800  
MAY 17 2 49 PM '91

NORMAN P. LEVENTHAL  
MEREDITH S. SENTER, JR.  
STEVEN ALMAN LERMAN  
RAUL R. RODRIGUEZ  
DENNIS P. CORBETT  
BARBARA K. GARDNER  
STEPHEN D. BARUCH  
SALLY A. BUCKMAN  
LAURA B. HUMPHRIES  
JOHN B. GLICKSMAN  
MAUREEN A. O'CONNELL  
LYNN M. CRAKES\*  
DAVID S. KEIR\*

AUDIO SERVICES  
DIVISION

TELEPHONE  
(202) 429-8970  
TELECOPIER  
(202) 293-7783  
TELEX  
710-822-9260 NPL WSH

May 16, 1991

OF COUNSEL  
MICHAEL R. KLIPPER  
TOBEY B. MARZOUK

\* ADMITTED VA ONLY

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**BY HAND DELIVERY**

MAY 16 1991

Ms. Donna Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

Federal Communications Commission  
Office of the Secretary

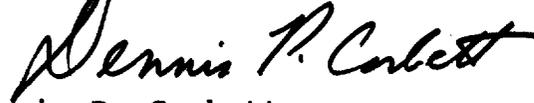
Re: File No. BPH-910213ME  
Bethany Beach, Delaware

Dear Ms. Searcy:

On behalf of Jeffery Scott, applicant for a construction permit for a new FM station on Channel 278A at Bethany Beach, Delaware, I am transmitting herewith an original and two copies of an amendment to his above-referenced application. This amendment is submitted as of right. See Public Notice, Rept. No. 14974, released April 16, 1991 at 11.

Should there be any questions concerning this matter, please contact the undersigned.

Very truly yours,



Dennis P. Corbett

DPC:kb  
Enclosure

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FM EXAMINERS

Mar 17 2 49 PM '91

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Office of the Secretary

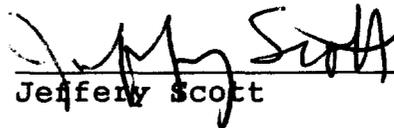
Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

Re: File No. BPH-910213ME  
Bethany Beach, Delaware

Dear Ms. Searcy:

The above-referenced application of Jeffery Scott for a construction permit to operate a new FM broadcast station on Channel 278A at Bethany Beach, Delaware, is hereby amended in accordance with the attached materials.

Respectfully submitted,

  
\_\_\_\_\_  
Jeffery Scott

Date: May 16, 1991

**AMENDMENT**

The FCC Form 301 application of Jeffery Scott ("Scott") for a construction permit for a new FM broadcast station on Channel 278A at Bethany Beach, Delaware (File No. BPH-910213ME), is hereby amended in the following respects:

1. Exhibit No. 4 (submitted in response to Question 9 of Section II to the application) is amended to include the following commitment:

In the event of a grant of his application, Scott will take all steps necessary to make nonattributable his ownership interest in Great Scott Broadcasting, which interest has been described in Exhibit No. 1 to his application.

2. The response to Question 2 of Section III to the application is changed to \$146,950.

3. A substitute Section V-B (and associated engineering exhibits) is attached hereto. The new engineering section and exhibits replace those previously submitted.

4. Substitute site certification information (page 24 of the application) is also attached hereto.

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OFFICE OF THE SECRETARY  
MAY 17 2 49 PM '91  
AUDIO SERVICES DIVISION

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____
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Name of Applicant: JEFFERY SCOTT

MAY 17 2 49 PM '91

MAY 16 1991

Call letters (if issued)	Is this application being filed in response to a window? <b>AUDIO SERVICES DIVISION</b> If Yes, specify closing date: _____
--------------------------	--

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Purpose of Application: (check appropriate boxes) Amendment to pending application

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Construct a new (main) facility            | <input type="checkbox"/> Construct a new auxiliary facility                         |
| <input type="checkbox"/> Modify existing construction permit for main facility | <input type="checkbox"/> Modify existing construction permit for auxiliary facility |
| <input type="checkbox"/> Modify licensed main 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 checked="" type="checkbox"/> Antenna supporting-structure height  | <input checked="" type="checkbox"/> Effective radiated power |
| <input checked="" type="checkbox"/> Antenna height above average terrain | <input type="checkbox"/> Frequency                           |
| <input checked="" type="checkbox"/> Antenna location                     | <input type="checkbox"/> Class                               |
| <input type="checkbox"/> Main Studio location                            | <input type="checkbox"/> Other (Summarize briefly)           |

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MAY 16 1991

Federal Communications Commission  
Office of the Secretary

File Number(s) BPH-910213ME

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
278	Bethany Beach	Sussex	DE

- Class (check only one box below)
- |                                       |                             |                            |                             |
|---------------------------------------|-----------------------------|----------------------------|-----------------------------|
| <input checked="" type="checkbox"/> A | <input type="checkbox"/> B1 | <input type="checkbox"/> B | <input type="checkbox"/> C3 |
| <input type="checkbox"/> C2           | <input type="checkbox"/> C1 | <input type="checkbox"/> 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. Approximately 2.2 kilometers northwest of the intersection of Old Mill Road and Club House Road, Sussex County, Delaware.

(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                    °                    '                    "	Longitude                    °                    '                    "
38                    34                    21	75                    06                    58

8. 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. BPH-910213ME

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. N/A

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

4. Does the application propose to correct previous site coordinates?  
If Yes, list old coordinates.

Yes  No

Latitude            °            '            "	Longitude           °            '            "
---	---

5. Has the FAA been notified of the proposed construction?  
If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Yes  No

Exhibit No.
-------------

Date May 14, 1991 Office where filed Eastern Regional

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>Cozy Cove (PVT)</u>	<u>5.8</u>	<u>0°</u>
(b) <u>Warrington (PVT)</u>	<u>6.3</u>	<u>212°</u>

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

(1) of site above mean sea level; 2 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 105 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 107 meters

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

(1) above ground 100 meters (H)

100 meters (V)

(2) above mean sea level [(a)(1) + (b)(1)] 102 meters (H)

102 meters (V)

(3) above average terrain 100 meters (H)

100 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. <u>V-B-3</u>
-----------------------------

9. Effective Radiated Power:

(a) ERP in the horizontal plane 3.0 kw (H=) 3.0 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.
-------------

\_\_\_\_\_ kw (H=) \_\_\_\_\_ kw (V=)

\*Polarization

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.

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 316 mV/m service.

Exhibit No.

12. Will the main studio be within the protected 316 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.

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.  
V-B-1

(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) 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.

- (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.  
V-B-5

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.  
V-B-2

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.  
V-B-4

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

(b) the 816 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. ml. = 259 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1,123 sq. km. Population 42,867

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: N/A

Exhibit No.

(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 90-second database  7.5 minute topographic map

(Source: NGDC (TPG-0050))

Other *(briefly summarize)*

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 8.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
-			
0	101.2	13.5	24.3
45	101.5#	13.5	24.5
90	101.5#	13.5	24.5
135	101.5#	13.5	24.5
180	100.0	13.5	24.1
225	96.9	13.2	23.8
270	98.1	13.4	24.0
315	98.5	13.4	24.0

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

# - Radial HAAT calculated in accordance with the provisions of Section 73.313(d)(2) of the 20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.) Rules.

Would a Commission grant of this application come within Section 11807 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 11811.  Exhibit No.

If No, explain briefly why not. See Exhibit V-B-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) Robert A. Bednarek	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature 	Address (Include ZIP Code) Rubin, Bednarek & Associates, Inc. 1350 Connecticut Avenue, NW - Suite 610 Washington, DC 20036
Date May 14, 1991	Telephone No. (Include Area Code) (202 ) 296-9380

Allocation Study

Channel 278A is assigned by the Federal Communications Commission to Bethany Beach, Delaware and is currently unused by any broadcast station. The petition to allocate channel 278A to Bethany Beach was filed with the FCC prior to October 2, 1989 in which the Commission authorized upgraded operation of class A facilities. Consequently, the provisions contained in Section 73.213(c) of the FCC Rules are applicable.

The use of Channel 278A at the proposed location would be fully consistent with all of the required separation criteria contained in Section 73.213(c)(1) of the Rules and Regulations with respect to existing and authorized stations or other unused assignments. Attached as page 2 of this exhibit, is a listing of the results of a frequency search which demonstrates that the operation of Channel 278A at the proposed site would not create any new short spacing(s).

Study Name : Bethany Beach, Delaware  
 Channel : 278A  
 Study Coordinates : 38 34 21.0 N 75 6 58.0 W  
 Separations : FM Zone 1 / 1-A - Commercial (Grandfathered - 73.213)

Call City / State	File - Number	Channel Status	ERP HAAT	Ant Zone	Latitude Longitude	Dist Bear	Req'd (km)	Clear (km)
WGMD REHOBOTH BEACH, DE	BLH 6807	224A LIC	3.00 300	1	38 42 5 75 11 58	16.0 333.2	8.0	8.0 CLOSE
WESRFM ONLEY-ONANCOCK, VA	BMLH 624	277B LIC	50.0 320	1	37 43 2 75 41 1	107.2 207.7	105.0	2.2 CLOSE
BETHANY BEACH, DE		278A ALC		2	38 32 22 75 3 20	6.4 124.9	105.0 Comnt	-98.6 SHORT
NEW BETHANY BEACH, DE	BPH 910213ME	278A APP	0.83 338	2	38 31 45 75 4 50	5.7 147.3	105.0 Comnt	-99.3 SHORT
NEW BETHANY BEACH, DE	BPH 910213MF	278A APP	3.00 328	2	38 34 21 75 6 58	0.0 0.0	105.0 Comnt	-105.0 SHORT
WGMSFM WASHINGTON, DC	BLH 880104KE	278B LIC	34.2 510	1	38 56 9 77 5 33	176.5 283.9	163.0	13.5 CLOSE
WGMSFM WASHINGTON, DC	BPH 900205IG	278B CP	44.0 518	DA 1	38 56 9 77 5 33	176.5 283.9	163.0 Comnt	13.5 CLOSE
WMGM ATLANTIC CITY, NJ	BLH 850322KK	279B LIC	50.0 347	1	39 23 38 74 30 34	105.3 29.7	105.0	0.3 CLOSE
WXCX HAVRE DE GRACE, MD	BLH 900118KD	279B LIC	50.0 341	DA 1	39 33 55 76 7 8	140.3 322.2	105.0	35.3
WOCQ BERLIN, MD	BLH 850423KS	280A LIC	3.00 328	1	38 22 58 75 18 58	27.4 219.6	27.0	0.4 CLOSE
WOCQ BERLIN, MD	BPH 900111IB	280A APP	6.00 328	1	38 22 58 75 18 58	27.4 219.6	27.0 Comnt	0.4 CLOSE

End of Study.

PROPOSED ANTENNA

OVERALL HEIGHT : 107m AMSL

RADIATION CENTER : 102m AMSL

105m AGL

100m AGL

GROUND ELEVATION : 2m AMSL

EXHIBIT V-B-3 : VERTICAL PLAN SKETCH OF PROPOSED  
ANTENNA AND SUPPORTING STRUCTURE

RUBIN, BEDNAREK & ASSOCIATES, INC.  
CONSULTING TELECOMMUNICATIONS ENGINEERS  
WASHINGTON, D.C.

NOTE :  
NOT DRAWN TO SCALE

#### Stations Within 60 Meters

There are no FM, television or non-broadcast stations located within 60 meters of the proposed antenna.

#### Blanketing Interference

The distance to the proposed 115 dBu contour, as calculated in accordance with Section 73.318 of the Rules and Regulations, is 0.68 kilometers. There are no known commercial or government receiving stations, cable head-end facilities, or densely populated areas located within the proposed 115 dBu contour. In the event that any objectionable blanketing interference is experienced as a result of the proposed operation, applicant will, in accordance with Section 73.318 of the Rules, apply all remedies necessary to satisfactorily resolve any complaints.

#### FM and Television Stations Within 10 Kilometers

There are no television broadcast stations located within 10 kilometers of the proposed site. As listed on the attached page 2 of this exhibit, there is one FM facility located within 10 kilometers of the proposed site. In the event that any objectionable interference is experienced as a result of the proposed construction, applicant accepts full responsibility for the elimination of any objectionable interference.

#### AM Stations Within 2 Miles

There are no AM stations located within 2 miles of the proposed site.

Study Name : Bethany Beach, Delaware  
 Study Coordinates : 38 34 21.0 N 75 6 58.0 W  
 FM Stations Within : 10.0 km  
 Channel(s) : 200-300

Call Location	Status	Channel	File Number Facilities	Latitude Longitude	Bearing Degrees	Distance (km)
WWTRFM BETHANY BEACH	APP	240A ,DE	BPH 910305IC 6.00 328	38 30 6 75 10 7	210.1 Comments	9.10
WWTRFM BETHANY BEACH	LIC	240A ,DE	BLH 7392 3.00 300	38 30 6 75 10 7	210.1 Comments	9.10
BETHANY BEACH	ALC	278A ,DE		38 32 22 75 3 20	124.9 Comments	6.43
NEW BETHANY BEACH	APP	278A ,DE	BPH 910213ME 0.83 338	38 31 45 75 4 50	147.3 Comments	5.72
NEW BETHANY BEACH	APP	278A ,DE	BPH 910213MF 3.00 328	38 34 21 75 6 58	0.0 Comments	0.00

End of Study.

Environmental Statement

The proposed construction will have no significant impact on the quality of the human environment and Commission action with respect to this application would be categorically exempt from environmental processing under Section 1.1306 of the Rules and Regulations. The proposed transmitter site does not fall into any of the categories specified in Section 1.1307(a) of the Rules, and the use of high intensity obstruction lighting is not contemplated. The proposed facility will comply with the radio frequency protection guidelines contained in the ANSI C95.1-1982 standard (American National Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz) with respect to all areas accessible to workers or the general public.

**Emergency Auxiliary Power**

The applicant proposes to install and maintain auxiliary power generators, at the transmitter and main studio locations, of sufficient capacity to power the transmitter and main studio in the event of a power failure at one or both locations.

**SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM**

1. Does the applicant propose to employ five or more full-time employees?

Yes  No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 696-A).

**SECTION VII - CERTIFICATIONS**

1. Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.6560?

Yes  No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

Yes  No

If No, attach as an Exhibit, a full explanation.

Exhibit No.  
N/A

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of Person Contacted Gerald B. Hickman

Telephone No. (include area code) (302) 537-1144

Person contacted: (check one box below)

Owner  Owner's Agent  Other (specify)

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

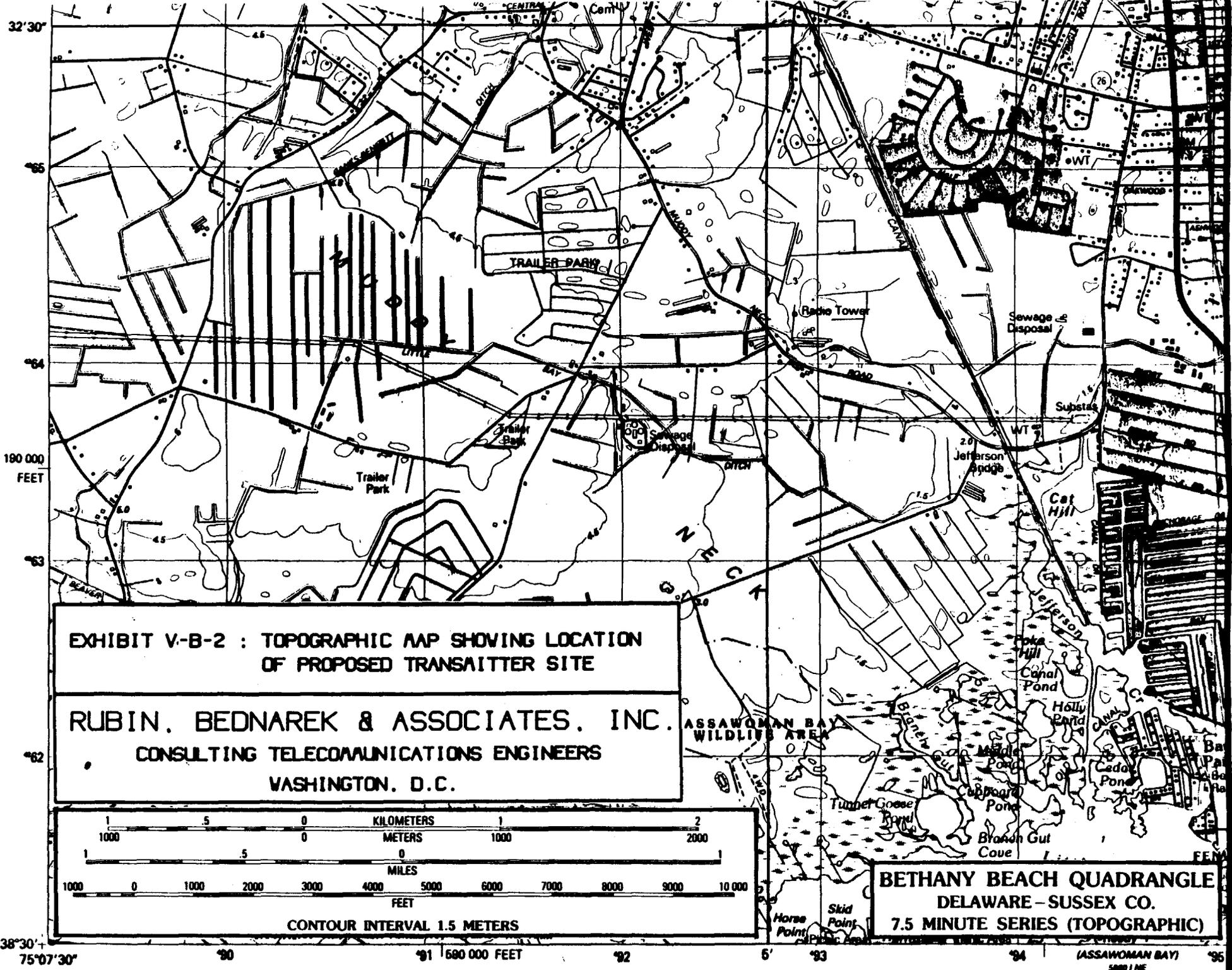
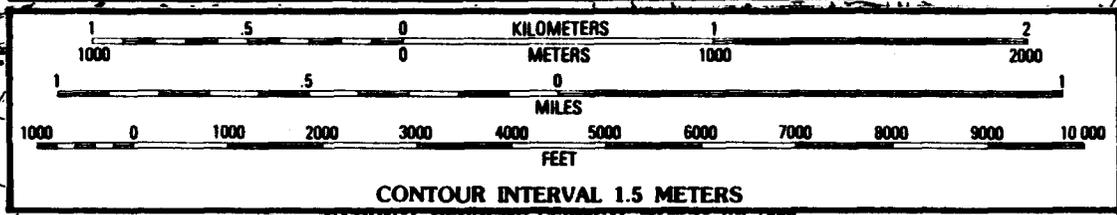


EXHIBIT V-B-2 : TOPOGRAPHIC MAP SHOWING LOCATION  
OF PROPOSED TRANSMITTER SITE

RUBIN, BEDNAREK & ASSOCIATES, INC.  
CONSULTING TELECOMMUNICATIONS ENGINEERS  
WASHINGTON, D.C.



BETHANY BEACH QUADRANGLE  
DELAWARE - SUSSEX CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

38°30' 75°07'30" '90 '91 190 000 FEET '92 '93 '94 (ASSAWOMAN BAY) '95  
5000 1 NE



PROPOSED SITE

NECK

CREEK

WHITE

CREEK

POND

SPLIT

Beach

Pasture Point  
Pasture Point  
Cove

Walter Point

Joshia Prong

WHITE

Campground

Trailer Park

Ocean View

Millville

13 KM TO US 113  
CLARKSVILLE 2.2 KM

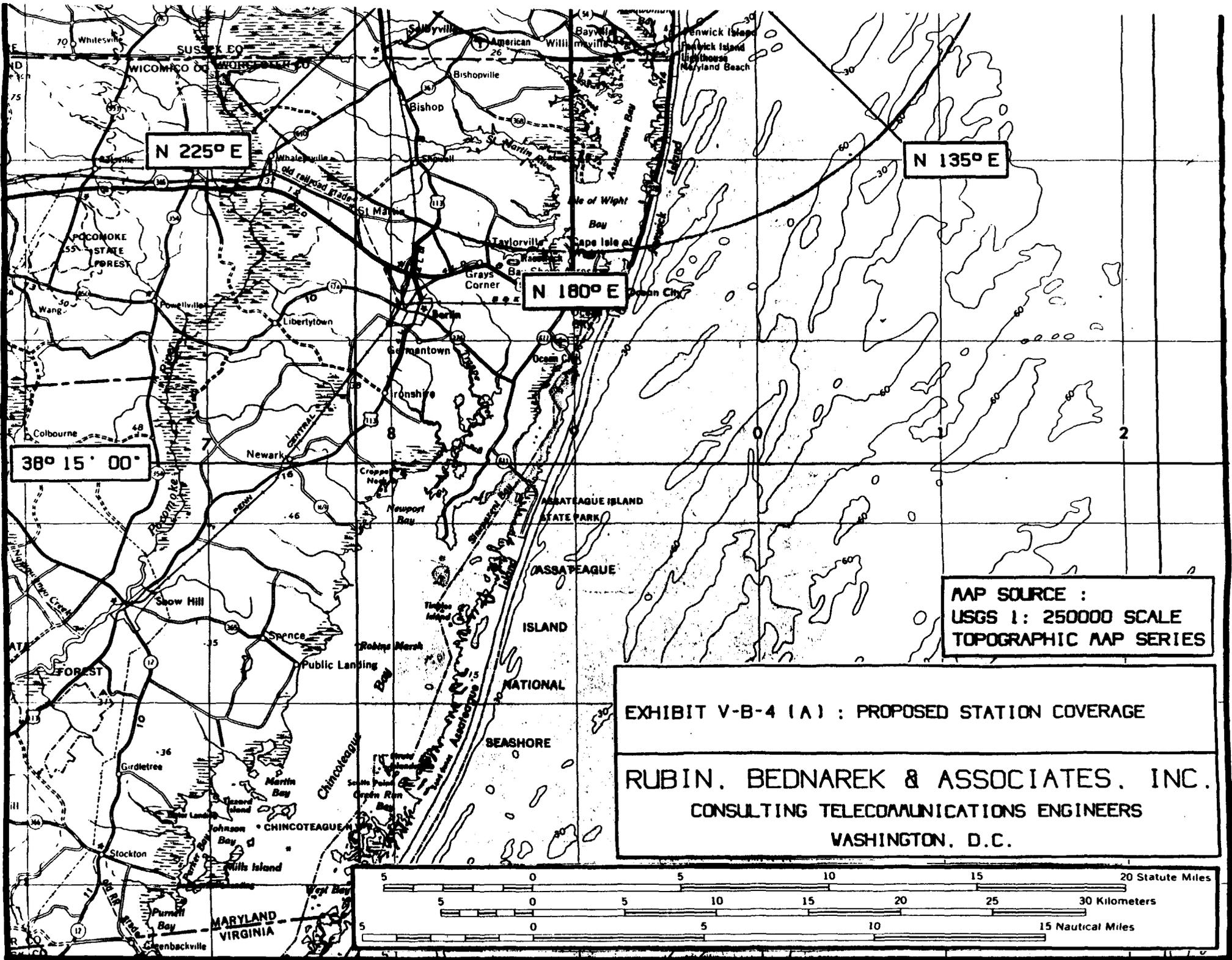
0.8 MI TO SW  
(FRANKFORD)

35°

07°

80°

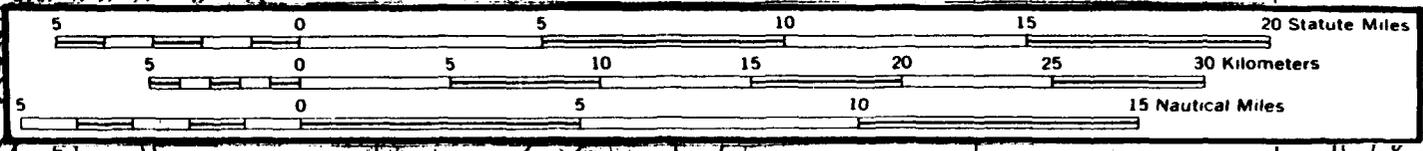
80°

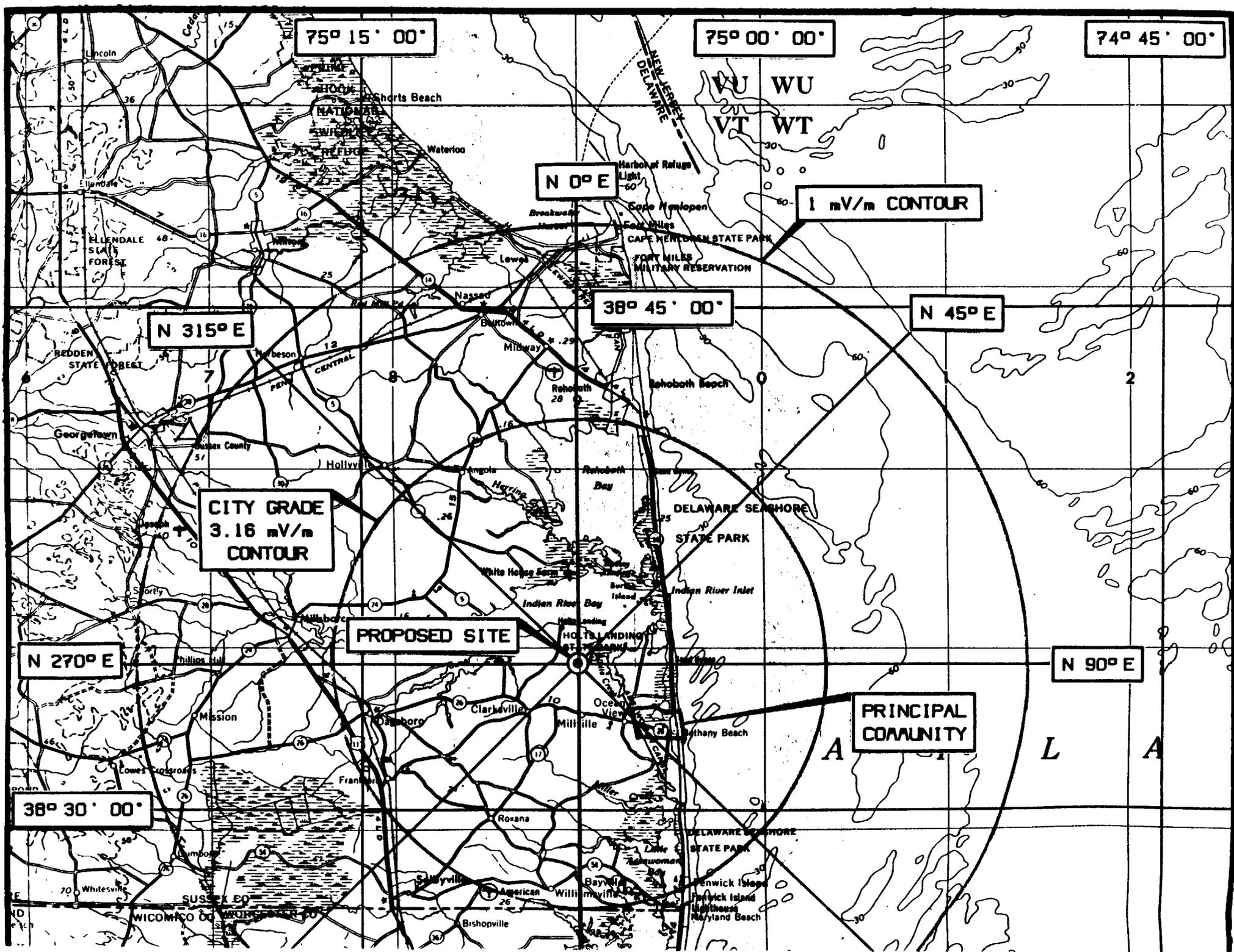


MAP SOURCE :  
 USGS 1: 250000 SCALE  
 TOPOGRAPHIC MAP SERIES

EXHIBIT V-B-4 (A) : PROPOSED STATION COVERAGE

RUBIN, BEDNAREK & ASSOCIATES, INC.  
 CONSULTING TELECOMMUNICATIONS ENGINEERS  
 WASHINGTON, D.C.





75° 15' 00"

75° 00' 00"

74° 45' 00"

N 0° E

1 mV/m CONTOUR

N 315° E

38° 45' 00"

N 45° E

CITY GRADE  
3.16 mV/m  
CONTOUR

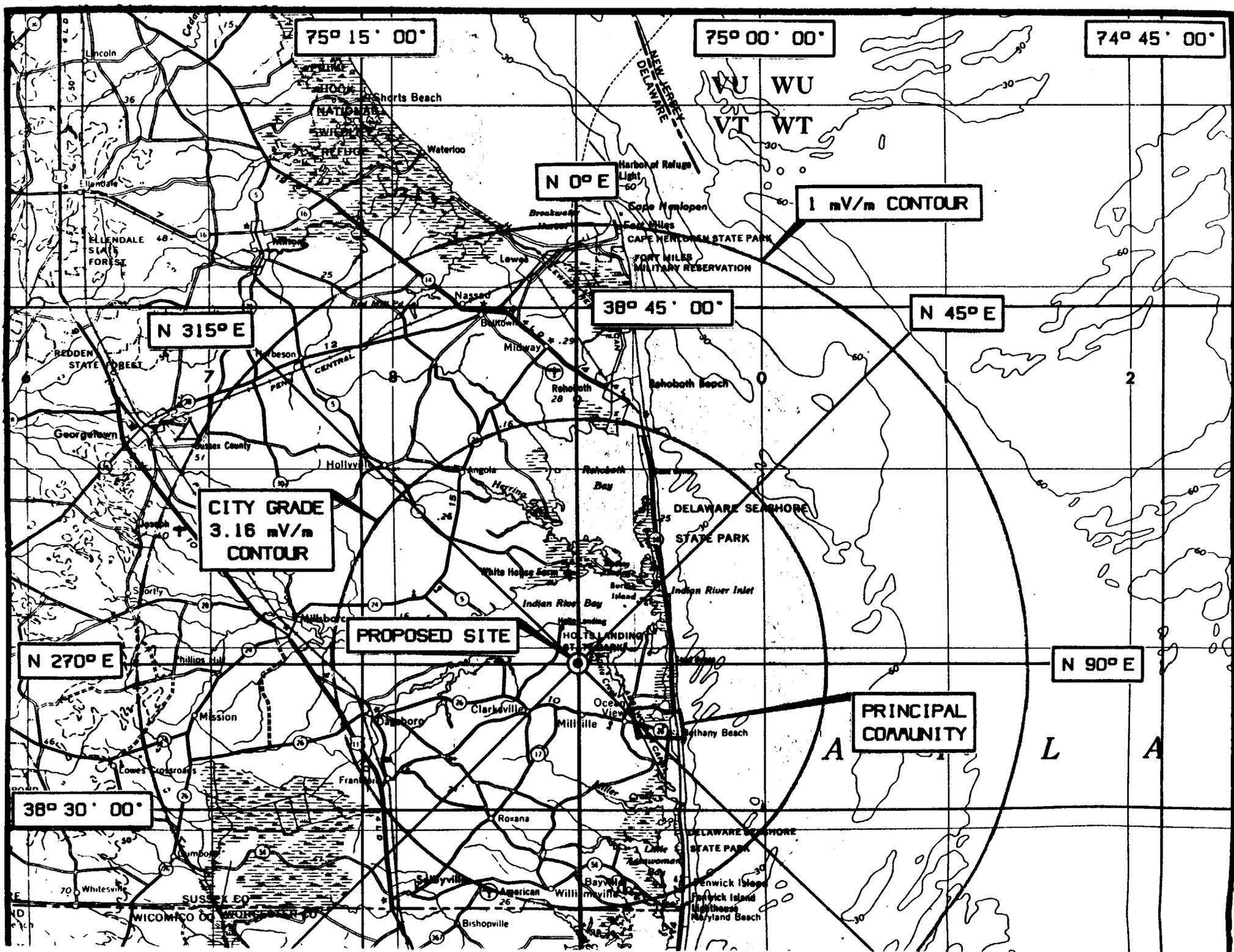
PROPOSED SITE

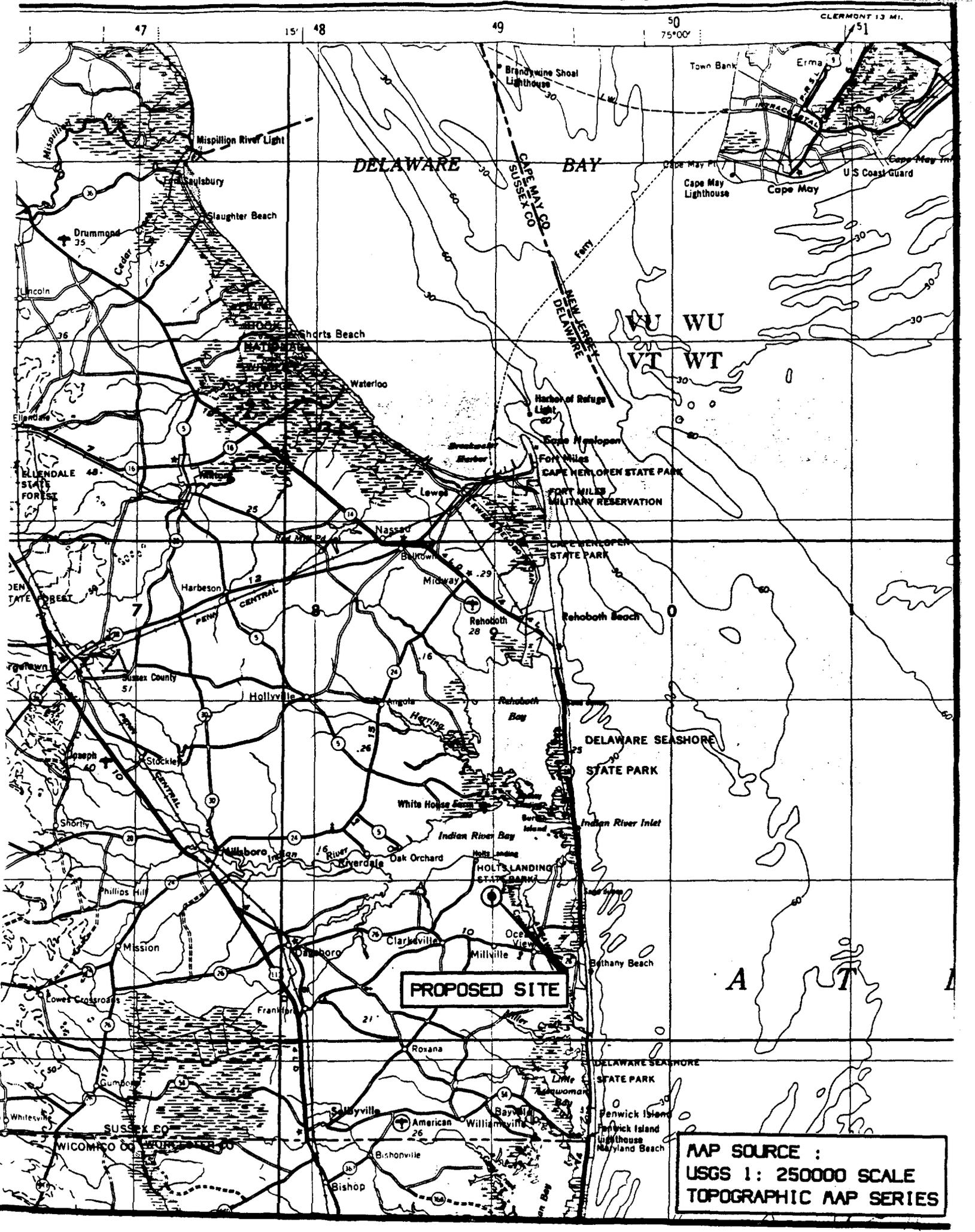
PRINCIPAL  
COMMUNITY

N 270° E

N 90° E

38° 30' 00"





**PROPOSED SITE**

**MAP SOURCE :**  
**USGS 1: 25000 SCALE**  
**TOPOGRAPHIC MAP SERIES**

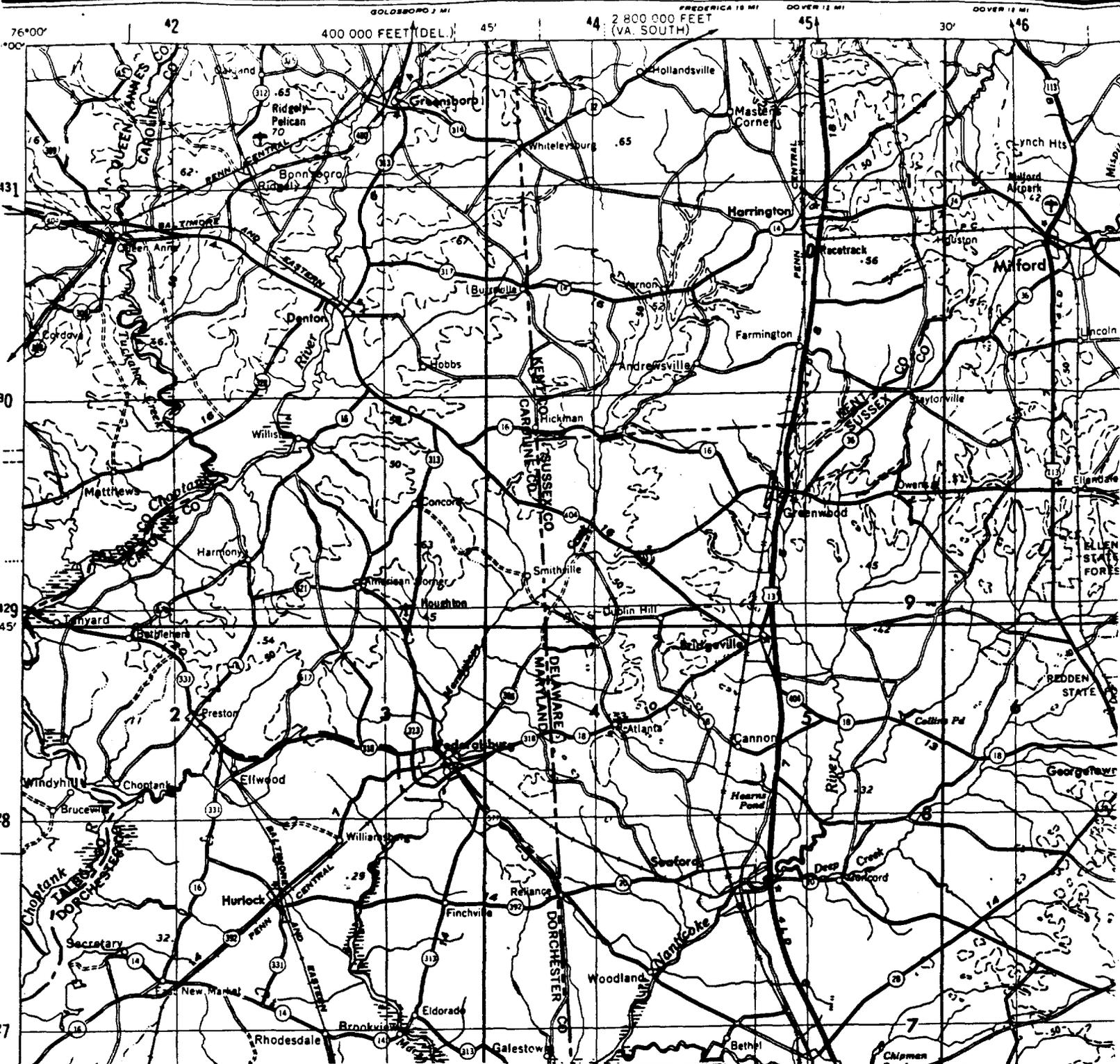
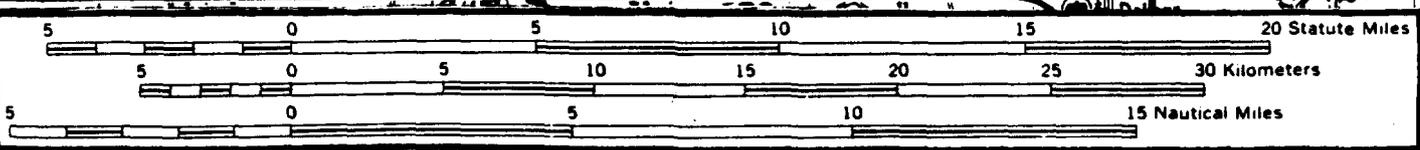


EXHIBIT V-B-4 (B) : PROPOSED TRANSMITTER SITE

RUBIN, BEDNAREK & ASSOCIATES, INC.  
 CONSULTING TELECOMMUNICATIONS ENGINEERS  
 WASHINGTON, D.C.



76°00'  
 431  
 30  
 429  
 45'  
 28  
 127  
 30'  
 126

42 400 000 FEET (DEL.) 45' 44 2 800 000 FEET (VA. SOUTH) 45' 30' 46

70 Whites