

FM Antenna
 <<<< Center of Radiation
 83.61 m (274.3 Ft) AGL
 333.54 m (1094.3 Ft) AMSL
 100.00 m (328.1 Ft) HAAT

LATITUDE 34-37-37 LONGITUDE 82-45-33 233.54 m (766.2 Ft) TERR AVG

TOWER VERTICAL PLAN SKETCH

SITE ELEVATION - 250 m AMSL
 TOP OF STRUCTURE - 88 m AGL
 FM Antenna COR - 84 m AGL
 334 m AMSL
 100 m HAAT

NOTE: NOT DRAWN TO SCALE

EXHIBIT #2
 FISHER COMM OF CLEMSON INC
 NEW FM RADIO STATION
 285A - 104.9 MHZ
 CLEMSON, SOUTH CAROLINA

DECEMBER 1990

FISHER COMMUNICATIONS, INC
SITE CLEARANCE STUDY

REFERENCE
34 37 37 N
82 45 33 W

CLASS A
Previous rule spacings
CHANNEL 285 -104.9 MHz

DISPLAY DATES
DATA 10-31-90
SEARCH 12-11-90

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN
AD285	285A	Clemson	SC	285.2	1.06	105.0	-103.94 *
AP285	285A	Waynesville	NC	352.6	105.34	105.0	0.34 <
WQNS	285A	Waynesville	NC	352.6	105.34	105.0	0.34 <
WALR	284C1	Athens	GA	229.3	129.59	129.0	0.59 <
WNOK	284C	Columbia	SC	107.2	178.04	161.0	17.04
AP286	286A	Helen	GA	275.2	87.28	64.0	23.28
AL286	286A	Helen	GA	275.3	87.99	64.0	23.99
AP286	286A	Helen	GA	276.9	88.00	64.0	24.00
AP286	286A	Helen	GA	274.7	88.30	64.0	24.30
AP286	286A	Helen	GA	280.7	89.50	64.0	25.50
WAGIFM	287C	Gaffney	SC	45.6	125.54	94.0	31.54
AP283	283A	Highlands	NC	321.1	61.93	27.0	34.93
AL283	283A	Highlands	NC	320.8	62.11	27.0	35.11
AP283	283A	Highlands	NC	322.9	65.49	27.0	38.49
AP283	283A	Highlands	NC	321.0	65.88	27.0	38.88
WMXC.C	284C	Charlotte	NC	69.9	201.62	161.0	40.62
WMXC	284C	Charlotte	NC	69.9	201.62	161.0	40.62
WMXC.C	284C	Charlotte	NC	69.9	201.62	161.0	40.62
WMXC.A	284C	Charlotte	NC	69.9	201.62	161.0	40.62
WBBQFM	282C	Augusta	GA	146.2	135.54	94.0	41.54

THE ALLOCATION OF 285A TO CLEMSON WAS INITIATED BEFORE OCTOBER 2, 1989 AND IS ELIGIBLE FOR PROCESSING UNDER THE PROVISIONS OF 73.213(C) (1).

EXHIBIT #3
FISHER COMM OF CLEMSON INC
NEW FM RADIO STATION
285A - 104.9 MHZ
CLEMSON, SOUTH CAROLINA

DECEMBER 1990

FISHER COMMUNICATIONS INC

LATITUDE 34:37:37 LONGITUDE 82:45:33

AM STATIONS WITHIN 10 KM

PREQ	KM	MI	BEARING	LAT / LONG	STATUS	CL	PWR	FIELD	CALL	CO	ST	CITY
890	2.26	(1.40)	290.8	34:38: 3/ 82:46:56	CP	D 2	25.	DA-1511	WPGP	US	SC	PENDLETON
890	2.26	(1.40)	290.8	34:38: 3/ 82:46:56	CP	C 2	5.0	DA-676.	WPGP	US	SC	PENDLETON

FM STATIONS WITHIN 20 KM

CHANNEL	KM	MI	BEARING	LAT / LONG	STATUS	PWR	CALL	ST	CITY
201A	8.02	(4.99)	315.4	34:40:42/ 82:49:15	LI	1.00	WSBFFM	SC	Clemson
201A	8.02	(4.99)	315.4	34:40:42/ 82:49:15	AP	3.00	WSBFFM	SC	Clemson
285A	1.05	(0.65)	285.3	34:37:46/ 82:46:13	AD	0.00	AD285	SC	Clemson
297C	16.31	(10.14)	59.4	34:42: 6/ 82:36:20	LI	100.00	WANSFM	SC	Anderscn

TV STATIONS WITHIN 20 KM

CHANNEL	KM	MI	BEARING	LAT / LONG	STATUS	PWR	CALL	ST	CITY
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NONE

FM BLANKETING CONTOUR CALCULATION

The blanketing contour of FISHER is determined using the following formula as defined in 73.318 of the Commission's Rules:

$$D=0.394 * \text{SQR}(P)$$

where D= distance to blanketing contour in km
P=ERP in kW of the station

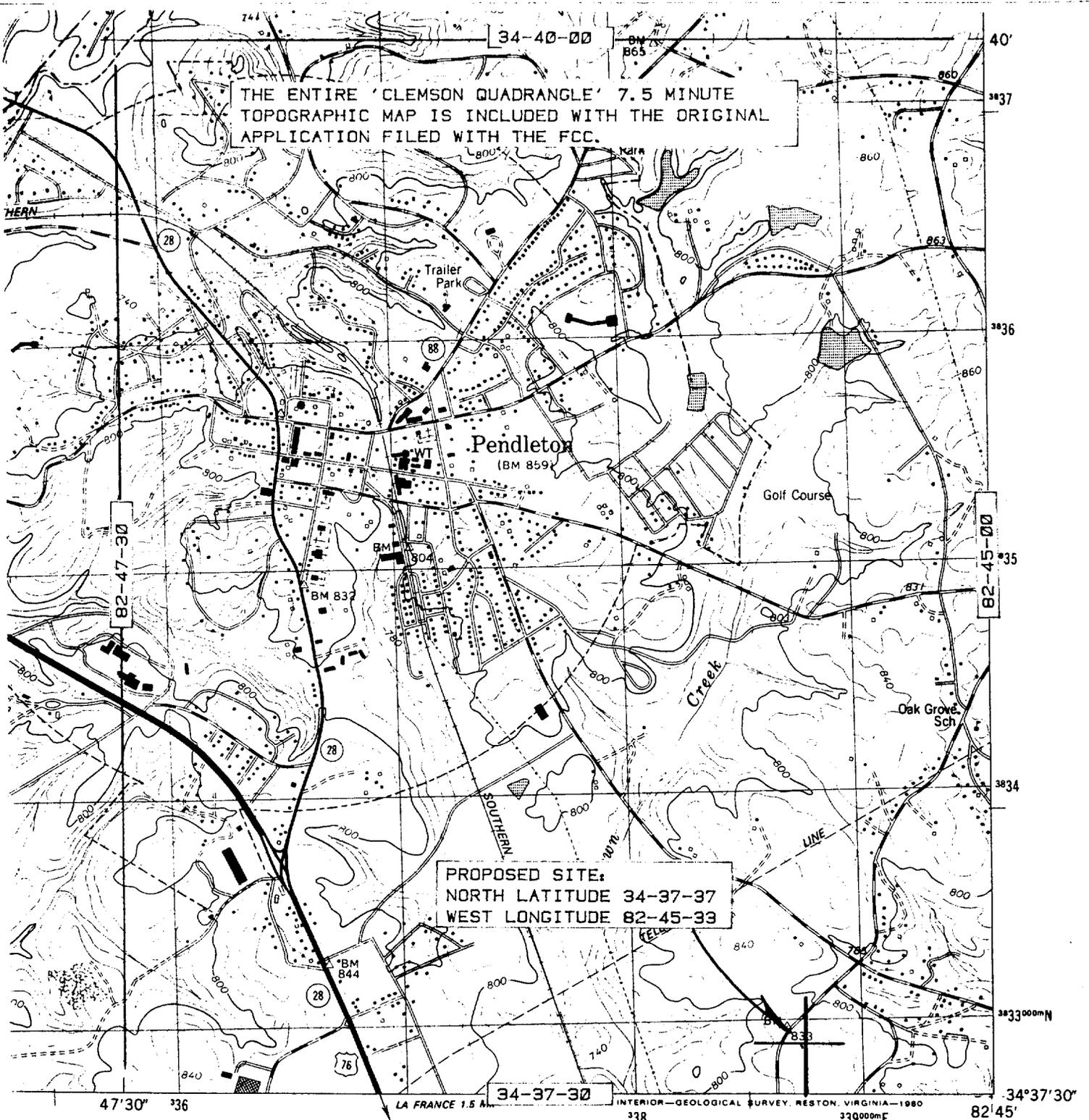
The ERP of FISHER is 3 kW yeilding a blanketing contour of .68 km from the tower.

While it is the experience of this firm that very blanketing or intermodulation interference will be experienced by the grant of this proposal FISHER will follow the guidelines of 73.318 and good engineering practice to satisfy blanketing complaints.

EXHIBIT #4
FISHER COMM OF CLEMSON INC
NEW FM RADIO STATION
285A - 104.9 MHZ
CLEMSON, SOUTH CAROLINA

DECEMBER 1990

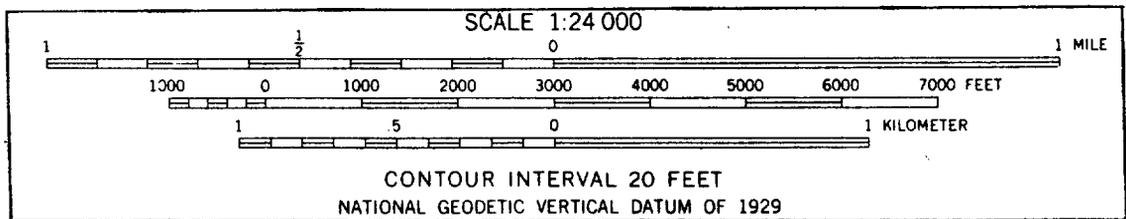
THE ENTIRE 'CLEMSON QUADRANGLE' 7.5 MINUTE TOPOGRAPHIC MAP IS INCLUDED WITH THE ORIGINAL APPLICATION FILED WITH THE FCC.

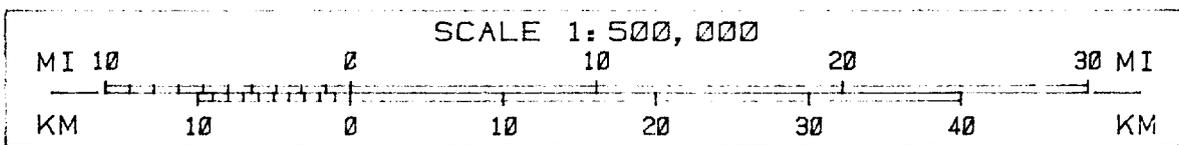
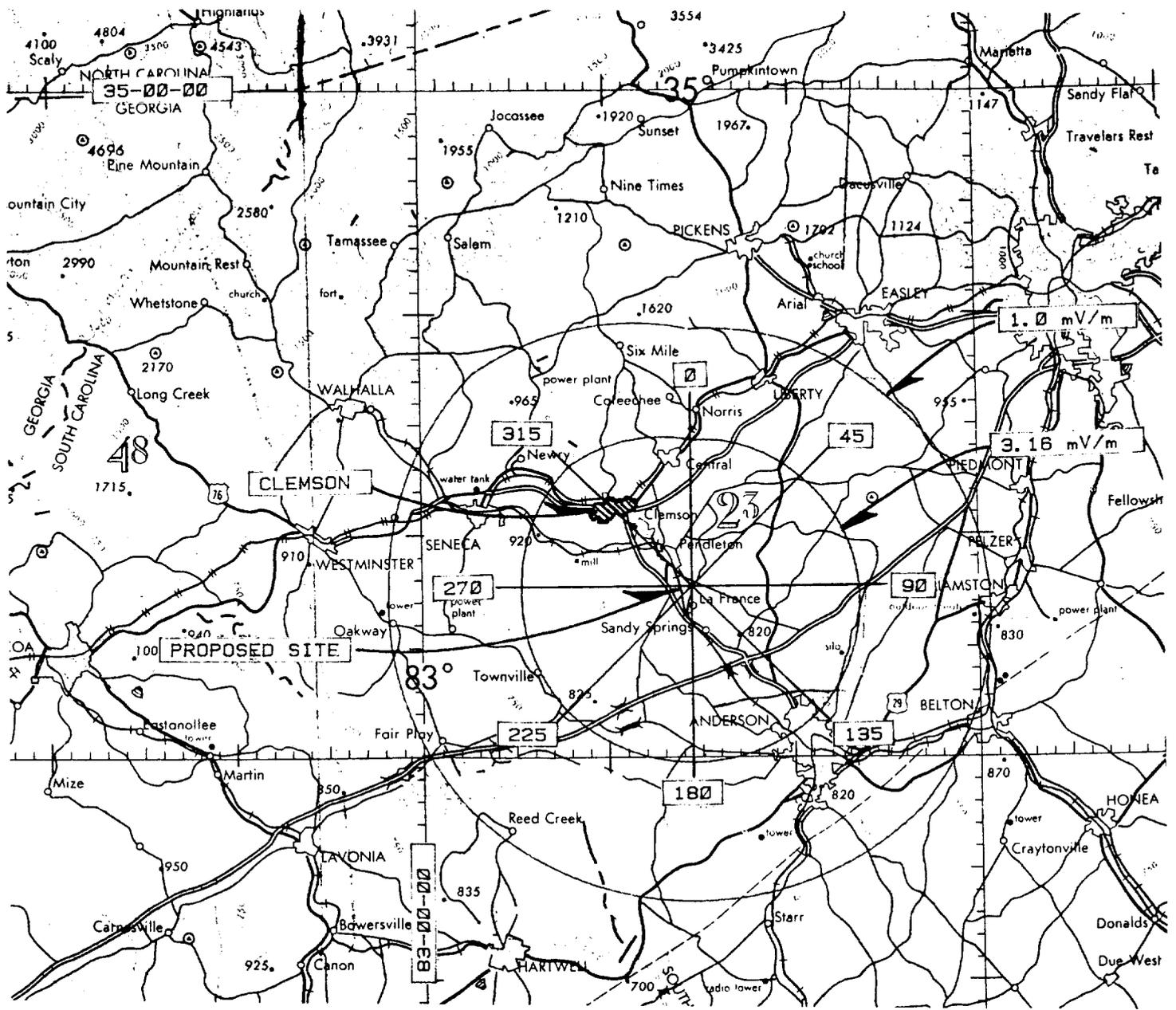


PROPOSED SITE:
 NORTH LATITUDE 34-37-37
 WEST LONGITUDE 82-45-33

CLEMSON QUADRANGLE
 SOUTH CAROLINA
 7.5 MINUTE SERIES (TOPOGRAPHIC)

EXHIBIT #5
 FISHER COMM OF CLEMSON INC
 NEW FM RADIO STATION
 285A - 104.9 MHZ
 CLEMSON, SOUTH CAROLINA





SERVICE CONTOURS

MAP IS A PORTION OF THE 'ATLANTA' AVIATION SECTIONAL MAP / 500,000 SCALE WITH AVIATION SYMBOLS DELETED.

PROPOSED SITE:
 NORTH LATITUDE 34-37-37
 WEST LONGITUDE 82-45-33

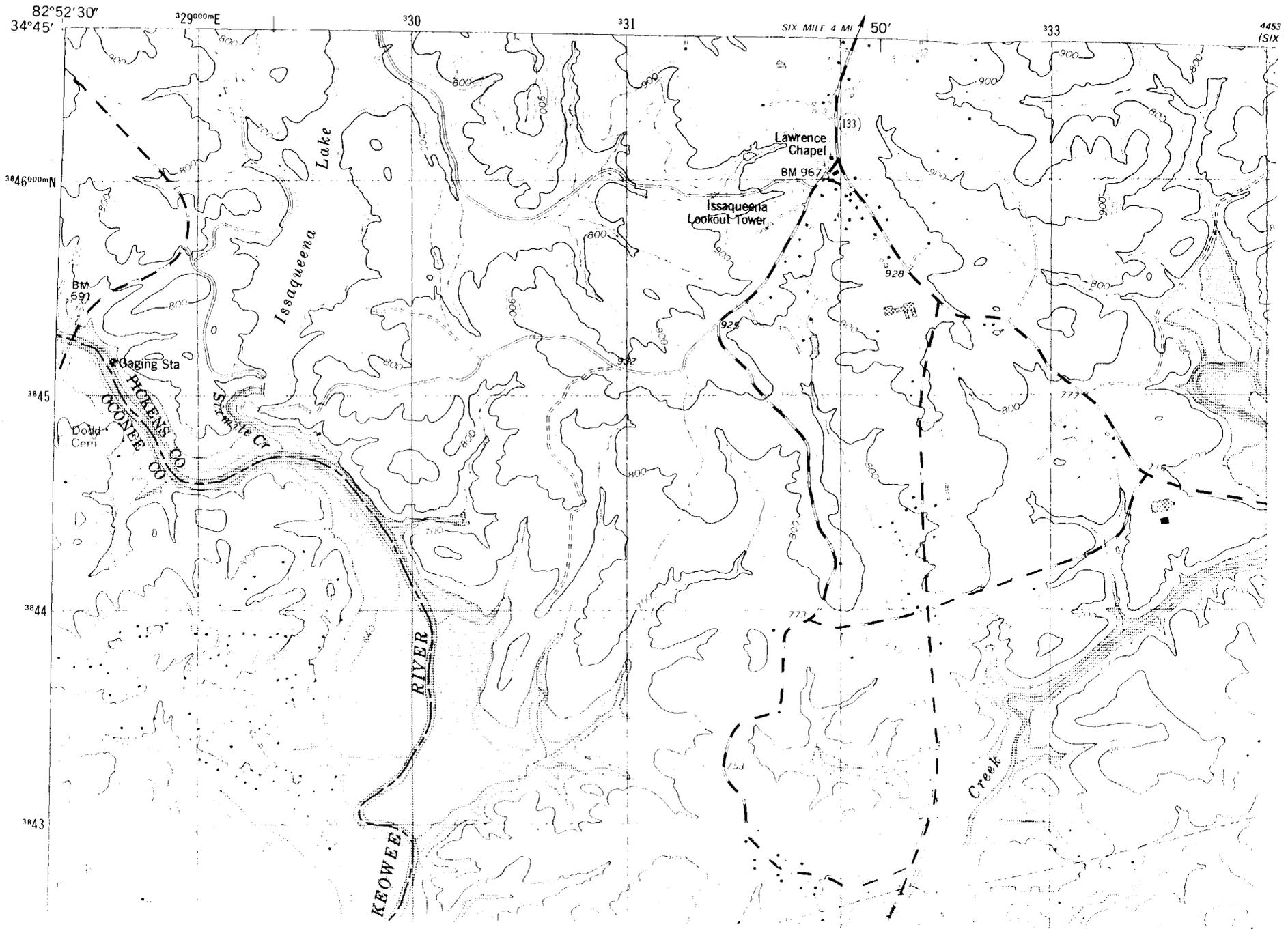
EXHIBIT #6

FISHER COMM OF CLEMSON INC
 NEW FM RADIO STATION
 285A - 104.9 MHZ
 CLEMSON, SOUTH CAROLINA

DECEMBER 1990

148 N. SW
(OLD PICKENS)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



4453
(SIX)

4463 IV SE
(SIX MILE)

35

47'30"

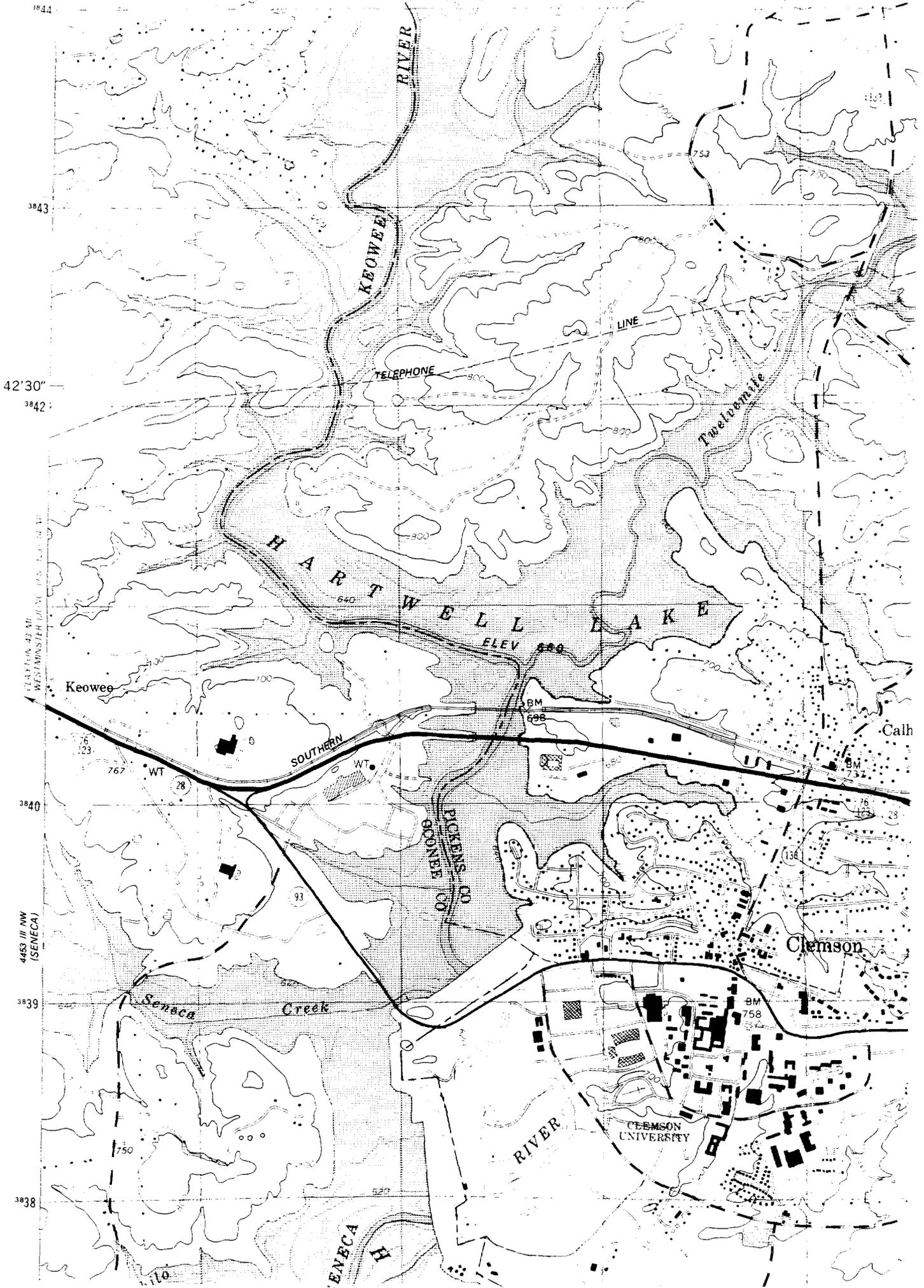
37

38

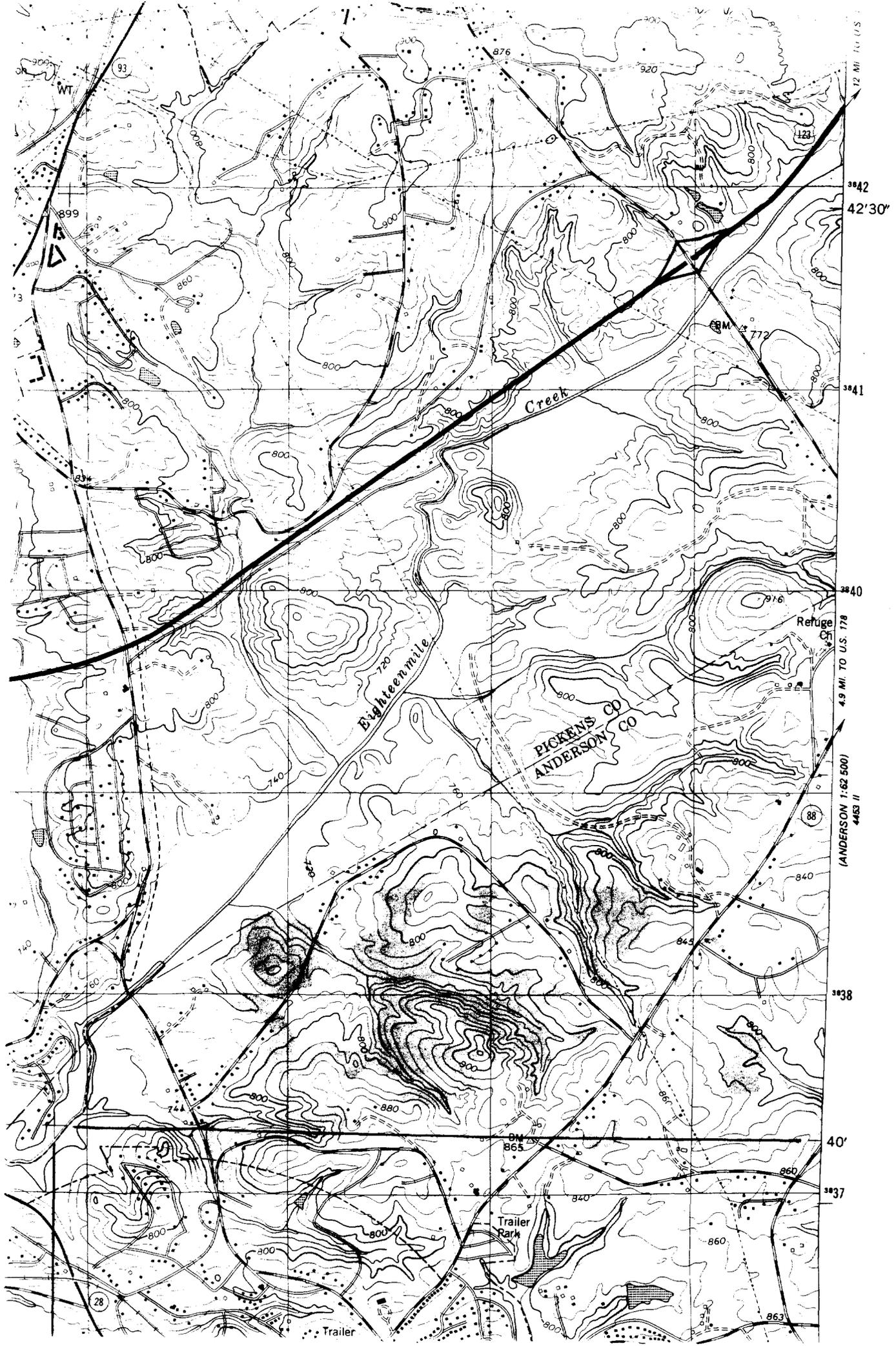
7.5











12 MI TO U.S.

3842
42'30"

3841

3840

4.9 MI. TO U.S. 178

(ANDERSON 7:62 500)
4453 II

3838

40'

3837

93

876

920

1231

899

BM 772

Eighteenmile

PICKERNS CO
ANDERSON CO

Refuge Cr.

88

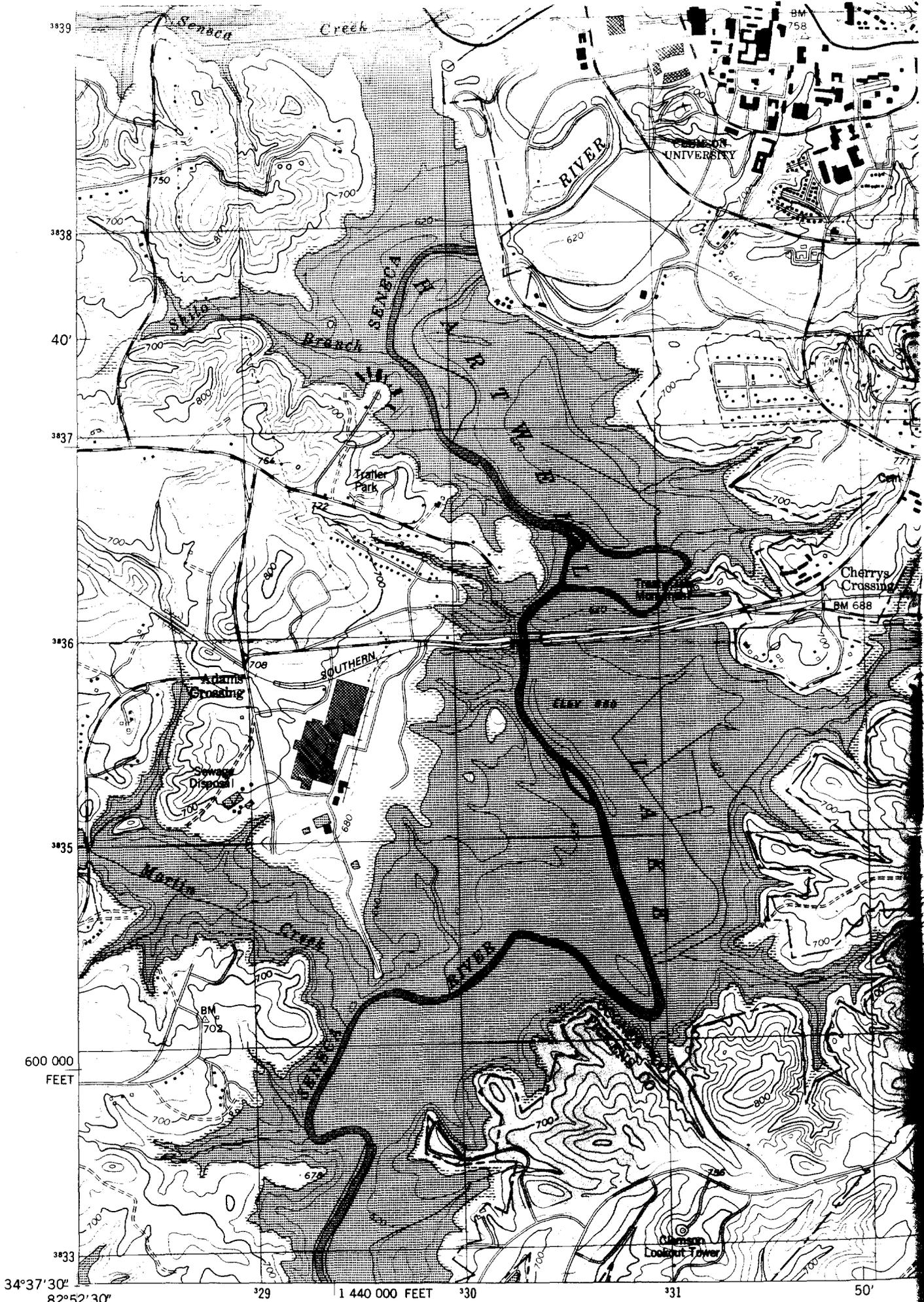
BM 865

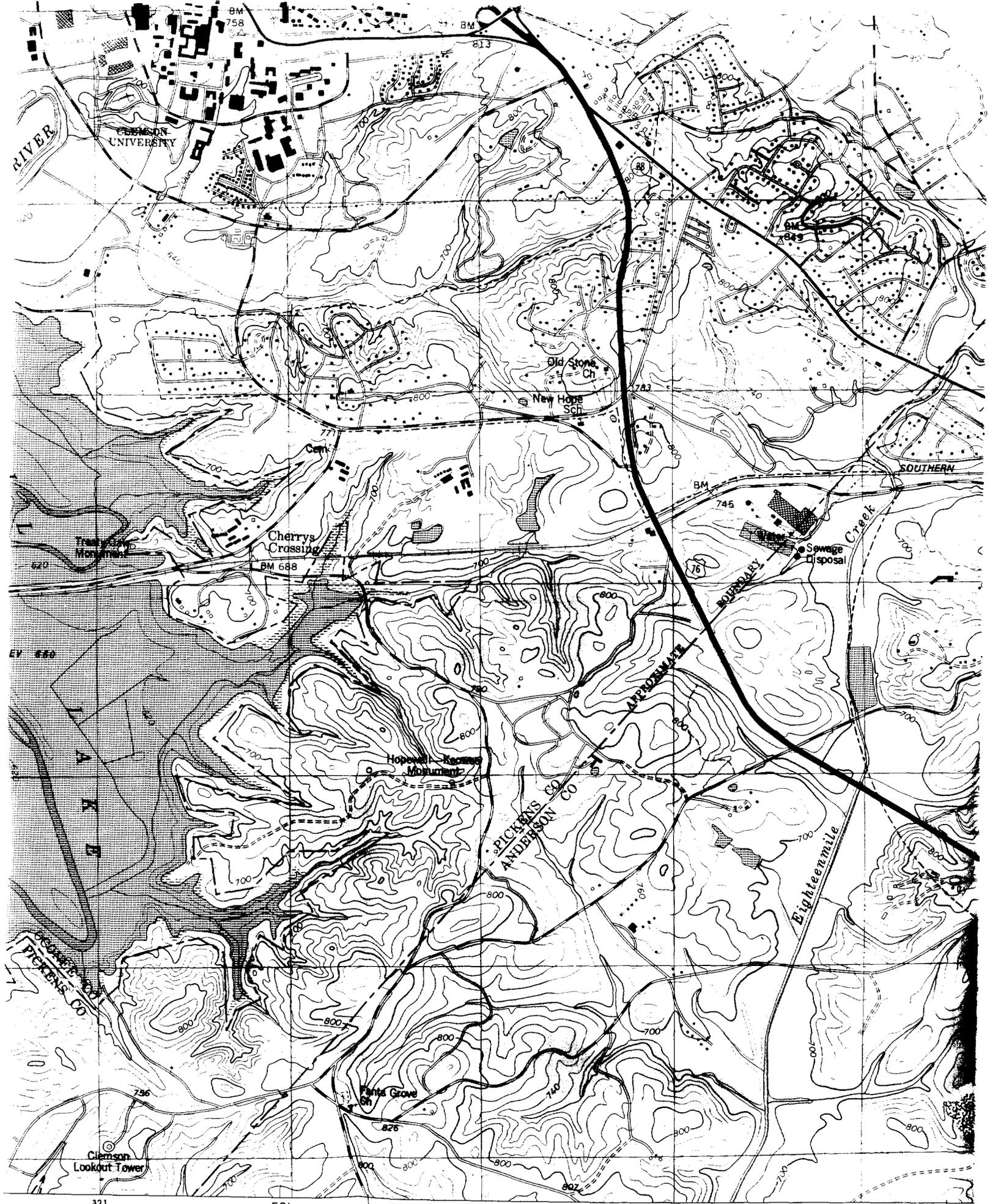
Trailer Park

28

Trailer

863





RIVER

CLEMSON UNIVERSITY

Old Stone Ch

New Hope Sch

Cherrys Crossing

BM 688

BM 745

SOUTHERN

76

APPROXIMATE

BOUNDARY

Eighteenmile Creek

PICKENS CO
ANDERSON CO

Park Grove Ch

Clemson Lookout Tower

31

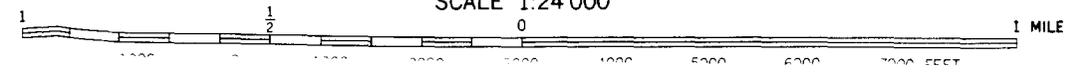
50'

33

(LA FRANCE)
4453 III SE

35

SCALE 1:24 000



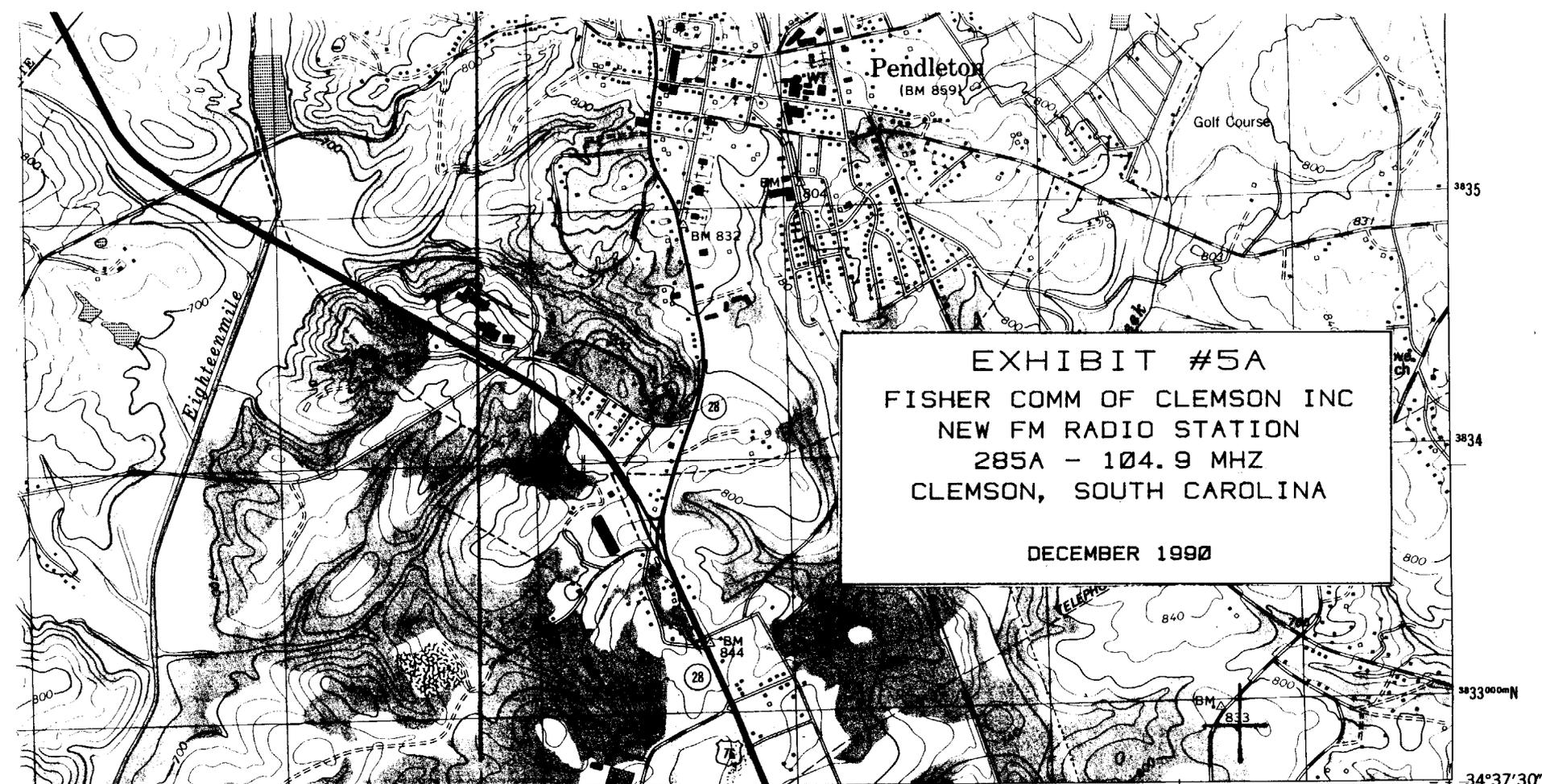
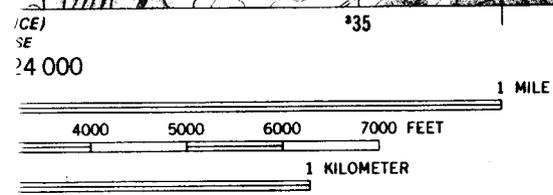


EXHIBIT #5A
FISHER COMM OF CLEMSON INC
NEW FM RADIO STATION
285A - 104.9 MHZ
CLEMSON, SOUTH CAROLINA

DECEMBER 1990



VAL 20 FEET
 TICAL DATUM OF 1929



ROAD CLASSIFICATION

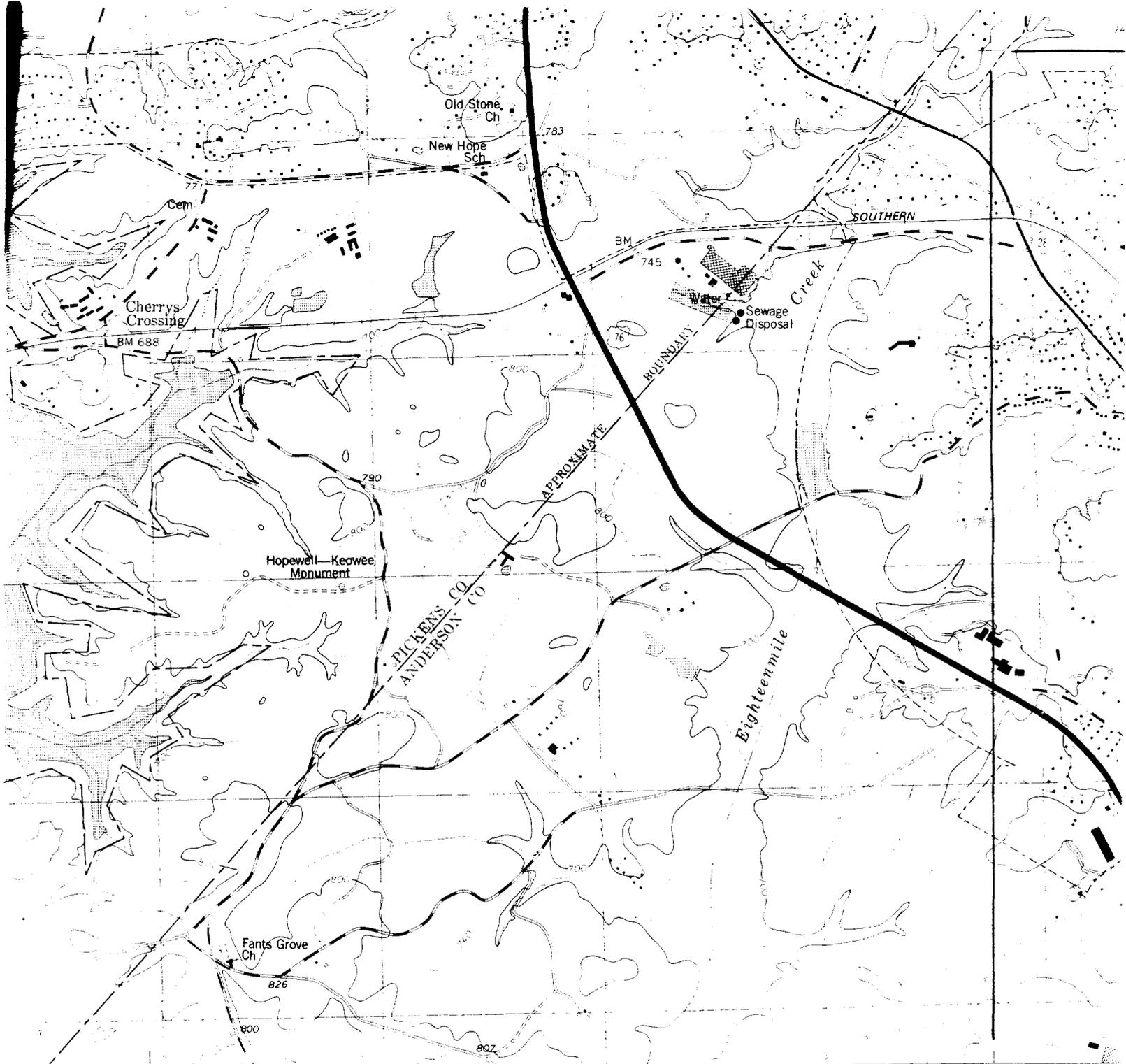
Primary highway, hard surface	_____	Light-duty road, hard or improved surface	_____
Secondary highway, hard surface	_____	Unimproved road	-----
Interstate Route	U. S. Route	State Route	

CLEMSON, S. C.
N3437.5-W8245/7.5

1951
 PHOTOREVISED 1980
 DMA 4453 III NE-SERIES V848

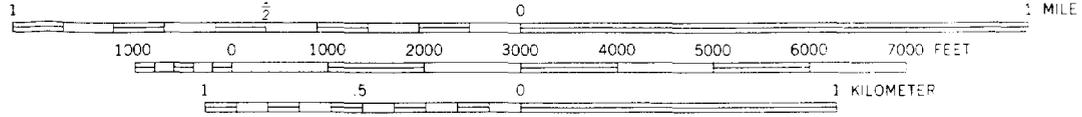
AL MAP ACCURACY STANDARDS
 RVEY, RESTON, VIRGINIA 22092
 ND SYMBOLS IS AVAILABLE ON REQUEST

ANDERSON 1:25,000
 1958 II



50' 33 35 47'30" 36

(LA FRANCE)
4453 III SE
SCALE 1:24 000



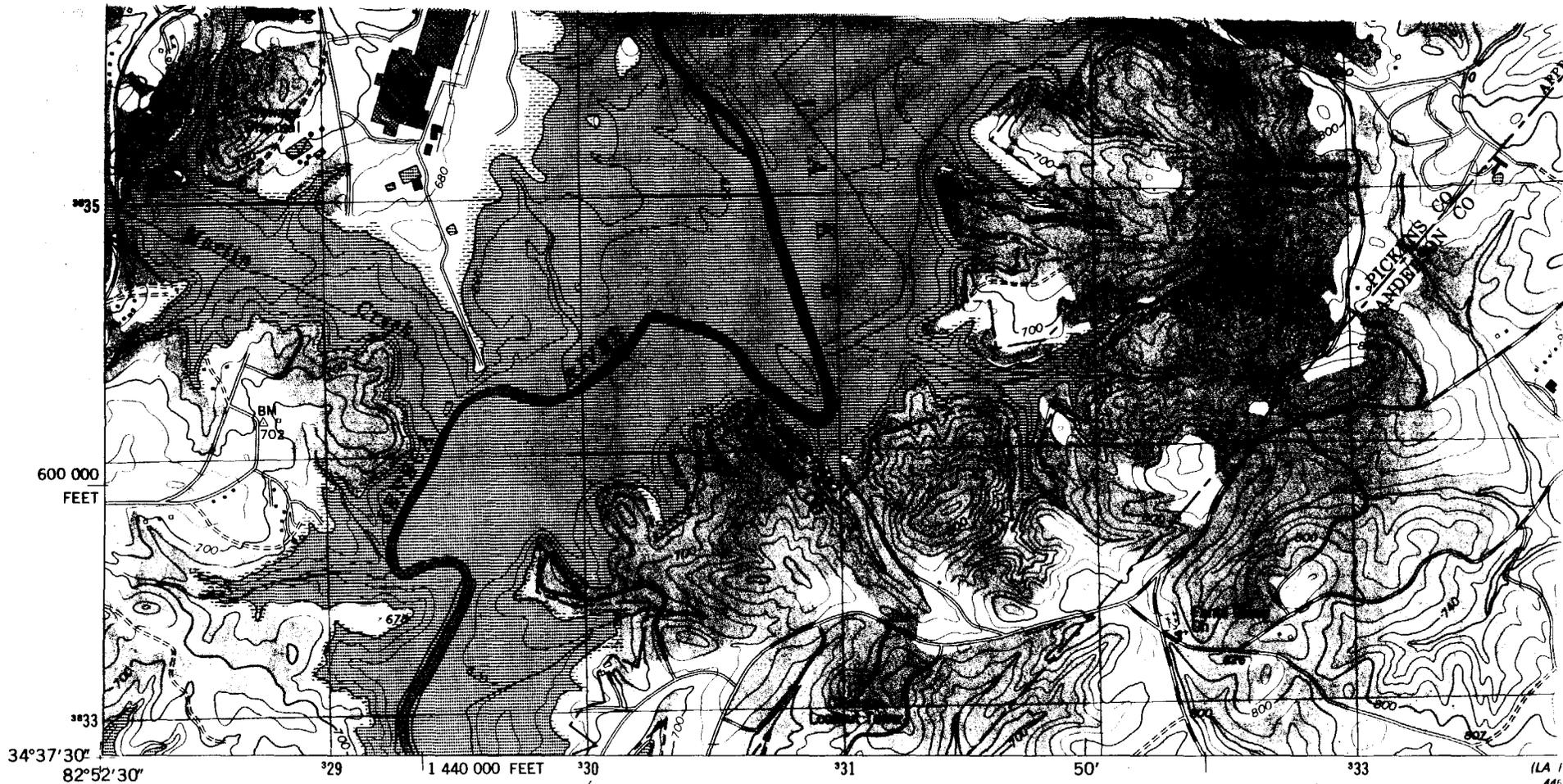
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

1:02'
18 MILS

0 MAGNETIC NORTH
CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUAD



(FAIR PLAY)
445 III SW

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and S. C. Geodetic Survey

Topography by photogrammetric methods from aerial photographs taken 1947. Field checked 1951

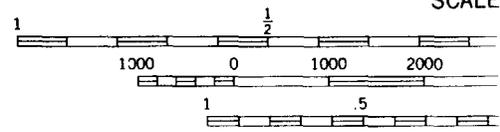
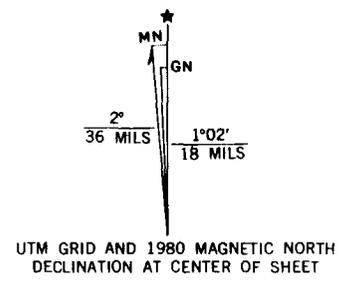
Polyconic projection
10,000-foot grid based on South Carolina coordinate system, north zone

1000-meter Universal Transverse Mercator grid, zone 17, 1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 10 meters south and 12 meters west as shown by dashed corner ticks

Revisions shown in purple compiled from aerial photographs taken 1977 and other source data. This information not field checked. Map edited 1980

Hartwell Lake is subject to controlled inundation of 665 feet



CONTOUR IN NATIONAL GEODETIC

THIS MAP COMPLIES WITH NAT FOR SALE BY U. S. GEOLOGICAL A FOLDER DESCRIBING TOPOGRAPHIC MA

FM RADIATION CERTIFICATION

The minimum antenna height for NEW FM is listed below to comply with FCC/EPA regulations limiting access to areas exposed to radiation levels in excess of 1.0 mW/cm². The distances listed are worst case indications as defined by OST Bulletin No. 65, October 1985. The formula used to calculate the noted distances is formula (3) taken from page 8 of the noted bulletin.

$$S = (.64)(1.64)(\text{TOTAL ERP})(1000 \text{ mW/W})/(\pi)(D^2)$$

Where S = ANSI limit of 1.0 mW/cm²

TOTAL ERP = Horizontal + Vertical power output
of ALL FM antennas

D = distance in cm from antenna center (or
lowest antenna bay) to ground

Rearranging the above formula results in the following

$$D = ((1049.6)(\text{TOTAL ERP})/(\pi)(.01))^{.5}$$

Using worst case scenario the NEW FM antenna center of radiation must be 14.2 meters, or 46.5 feet above ground to comply with the standards set forth in OST Bulletin No. 65 and required by the Federal Communications Commission.

Since the NEW FM antenna center is 84 meters AGL the proposed antenna is believed to be IN COMPLIANCE with the guidelines.

EXHIBIT #7
FISHER COMM OF CLEMSON INC
NEW FM RADIO STATION
285A - 104.9 MHZ
CLEMSON, SOUTH CAROLINA

DECEMBER 1990

Fisher Communications of Clemson, Inc.

Other Interests

Neither JoAnn Small Fisher or Fisher Communications of Clemson, Inc. have any ownership interest or official relationships in any other broadcast station, pending broadcast application or newspaper in the same or any other area, or in any cable television system. JoAnn Small Fisher is employed as an Account Executive at Station WMYI-FM, Greenville, South Carolina. If the construction permit for a new FM station in Clemson is granted to Fisher Communications of Clemson, Inc., JoAnn Small Fisher pledges she will resign her position at Station WMYI-FM before the station begins program test operations.

The subscribers to the non-voting preferred stock, Messrs. Fred C. Avent, Frank H. Avent, George C. Avent, Harold T. Miller, Jr., and John A. Jeffords, are officers, directors and shareholders in Atlantic Broadcasting Co., Inc., licensee of Stations WJMX(AM), Florence, South Carolina and WJMX-FM, Cheraw, South Carolina. They are also officers, directors and shareholders in Scranton Communications, Inc., applicant for a new FM broadcast station in Scranton, South Carolina (File No. BPH-880804MM; MM Docket No. 900-294). */ The application of Scranton Communications, Inc. was designated for a comparative hear-

*/ For details, please see Attachment A.

ing, no issues were raised concerning the basic qualifications of Scranton Communications, Inc., the case was settled, and on December 11, 1990 Administrative Law Judge Edward Luton issued a Memorandum Opinion and Order approving the settlement and granting the application of Scranton Communications, Inc.

There is no overlap between the 3.16 mV/m contours of Station WJMX-FM, Cheraw, and the proposed Scranton FM station.

Neither Atlantic Broadcasting Co., Inc., Scranton Communications, Inc., nor any of its officers directors or shareholders have any ownership interest or official relationships with any other broadcast stations (other than as noted above), or in any newspaper or cable television system.

Mr. Richard S. Graham is a consulting engineer with Bromo Communications, Inc., St. Simons Island, Georgia. He has a 50% partnership interest in Fairfield Broadcast Partners, licensee of Station WEZO(FM), Fairfield, Maine. Mr. Graham has no ownership interest in or official relationship with any other broadcast station, or in any newspaper or cable television system.

Pending Applications

Atlantic Broadcasting Co., Inc. has pending an application for renewal of the license of Station WJMX(AM), (File No. BR-880727UJ). The processing of this application has been deferred pending completion of the staff's review of the station's EEO policies and practices.

Scranton Communications, Inc. has recently tendered an application to modify the construction permit of its Scranton, South Carolina FM station to change transmitter sites and make other minor changes (FCC File number not yet assigned.)

Family Relationships

Fred C. Avent, Frank H. Avent and George C. Avent are brothers.

Certificate of Non-Participation

Fisher Communications of Clemson, Inc. certifies that neither Fred C. Avent or any of the other subscribers to the preferred non-voting stock will be involved in any material respect in the management or operation of the proposed Clemson FM station.

ATTACHMENT A
EXHIBIT NO. 1

ATLANTIC BROADCASTING CO., INC.

The officers, directors and shareholders of Atlantic Broadcasting Co., Inc. are:

<u>Name</u>	<u>Office</u>	<u>Shares</u>	
		<u>Number</u>	<u>%</u>
Fred C. Avent	President, Treasurer, Director	175	21.2 %
Frank H. Avent	V. Pres., Secretary, Director	175	21.2 %
George C. Avent	Director	175	21.2 %
Harold T. Miller	V. President, Director	150	18.2 %
John A. Jeffords	Director	150	18.2 %

Scranton Communications, Inc.

The officers, directors and shareholders of Scranton Communications, Inc. are:

<u>Name</u>	<u>Office</u>	<u>Shares</u>	
		<u>Number</u>	<u>%</u>
Fred C. Avent	President, Treasurer Director	200	20 %
Frank H. Avent	V. Pres., Secretary Director	200	20 %
George C. Avent	Director	200	20 %
Harold T. Miller,	V. Pres., Director	200	20 %
John A. Jeffords	Director	200	20 %

FISHER COMMUNICATIONS OF CLEMSON, INC.

Program Service

Fisher Communications of Clemson, Inc. will be involved in Clemson, South Carolina and will keep abreast of community problems and needs on a continuing basis through involvement in and knowledge of community affairs and organizations.

It is the applicant's plan to treat the needs and interests of the people of Clemson and the area served through a variety of news, public affairs and entertainment programs of interest and appeal to the people in the area, with particular attention to programming designed to:

(1) Educate the student population of Clemson University and Tri-County Technical College about the health and legal problems associated with drug and alcohol abuse by working directly with the two institutions on public awareness campaigns and promotions.

(2) Unify the permanent resident population of the area with the transient student population by actively pursuing ways for the groups to communicate with each other over the airwaves, through, for example, periodic call-in programs for the discussion of community concerns.

(3) Promote civic activities and events which will increase economic viability and growth in the area, including,

for example, Clemson University Sports events and community festivals.

(4) Focus on environmental issues of concern such as litter control, recycling projects and conservation, through communication and participation with all facets of the community.

It will be the policy and practice of the station to treat significant controversial issues of local public importance equitably and fairly.

To assure the reliability of the planned FM services, auxiliary power facilities and equipment will be available at the studio and transmitter locations of the proposed station.