NOVEMBER 17, 1992

VERTICALLY POLARIZED DIRECTIONAL ANTENNA SYSTEM
PROPOSED FOR THE NEW STATION
LOCATED IN KISSIMMEE, FL

(Continued)

The directional antenna should not be mounted on the top of an antenna tower which includes a top-mounted platform larger than the cross-sectional area of the tower in the horizontal plane. No other obstructions other than those that are specified by the blue prints supplied with the antenna are to be mounted at the same tower level as the directional antenna. No obstruction of any type is to be within 75ft horizontally of the antenna system. The vertical distance to the nearest obstruction should be a minimum of 10ft from the directional antenna.

The calculated maximum power gain of the envelope pattern as shown on figure # 1 is 1.99281368132 (2.9947dB), which would require an input power of .55198 kilowatts. A calculated power gain of an antenna that has a vertical R.M.S. that is equal to 85% of the R.M.S. of the envelope would have a power gain of 2.7582 and would require an input power of .39881 kilowatts. The input flange to the antenna is 1 5/8 inch male.

Tom Schay (BE)

ELECTRONICS RESEACH, INC.
108 Market Street
Newburgh, In 47630

EXHIBIT #30
AMEND BPED-891128ME
HISPANIC BCGT SYS, INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992

AMEND BPED-891128ME
HISPANIC BROADCAST SYSTEM, INC.
NEW NONCOMMERCIAL FM STATION
CH 206A - 89.1 MHZ - 1.1 KW
KISSIMMEE, FLORIDA
November 1992

EXHIBIT #4

Facilities Within Study

There are no proposed or authorized FM or television transmitters within 60 meters of this proposal. There are several business band radio antennas co-located on the tower structure. It is the experience of this firm that the co-located facilities will not be affected by this proposal. In the unlikely event problems do arise, Hispanic Broadcast System, Inc. ("HBSI"), will remedy the problem, using sound engineering practices, to the Commission's satisfaction.

There are no known established commercial or government receiving stations or cable head-end facilities within the blanketing contour of this proposed facility. However, within the blanketing contour there are some sparsely populated areas. See Exhibit #4A for a detailed FM blanketing study and statement.

There are no authorized or proposed FM or TV transmitters within 10 kilometers of this proposal. There are no AM stations within 3.2 kilometers (2.0 miles) of this proposal.

FM BLANKETING CONTOUR CALCULATION

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

$$D = 0.394 * SQR(P)$$

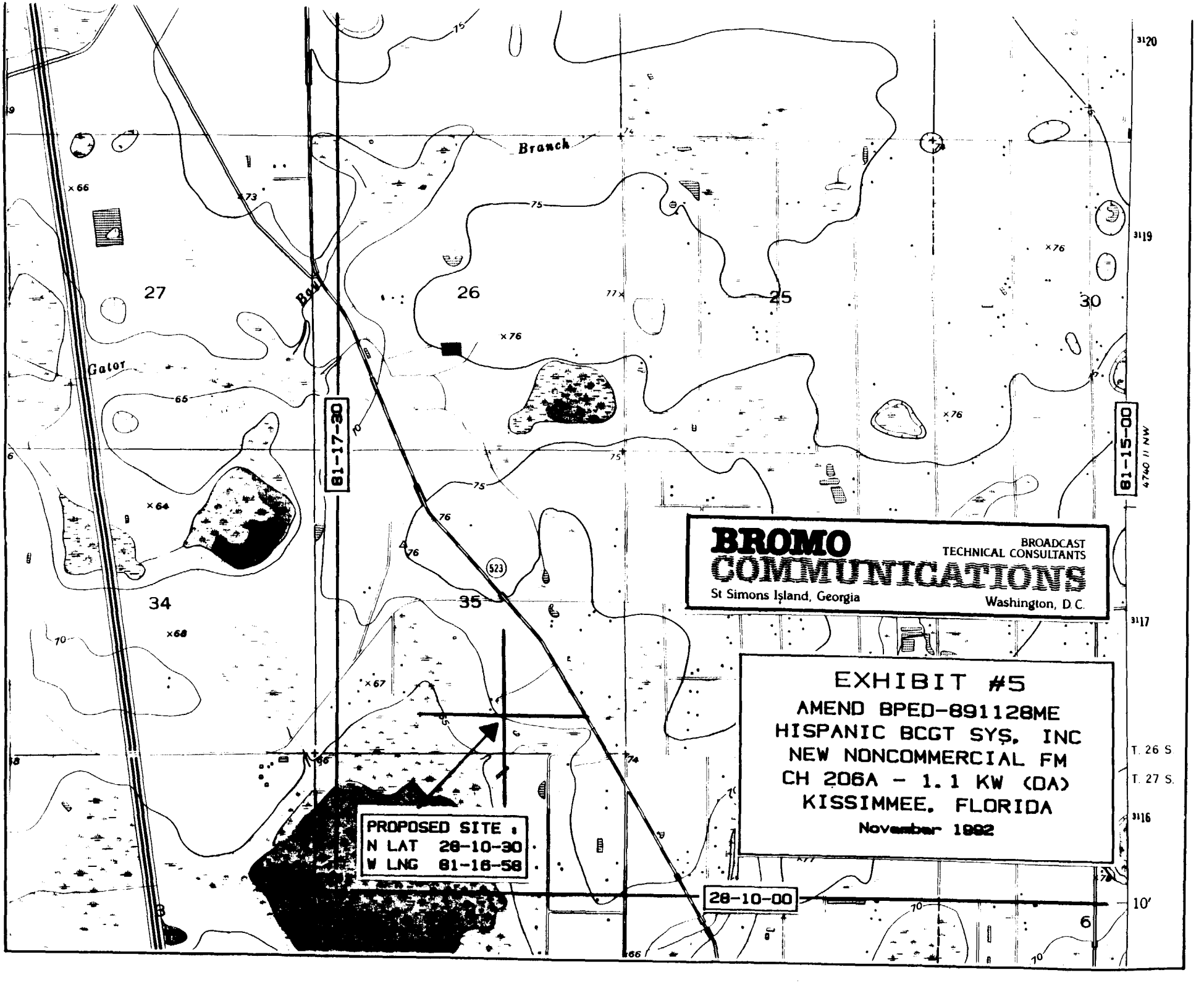
where D= distance to blanketing contour in km
P= ERP in kW of the station

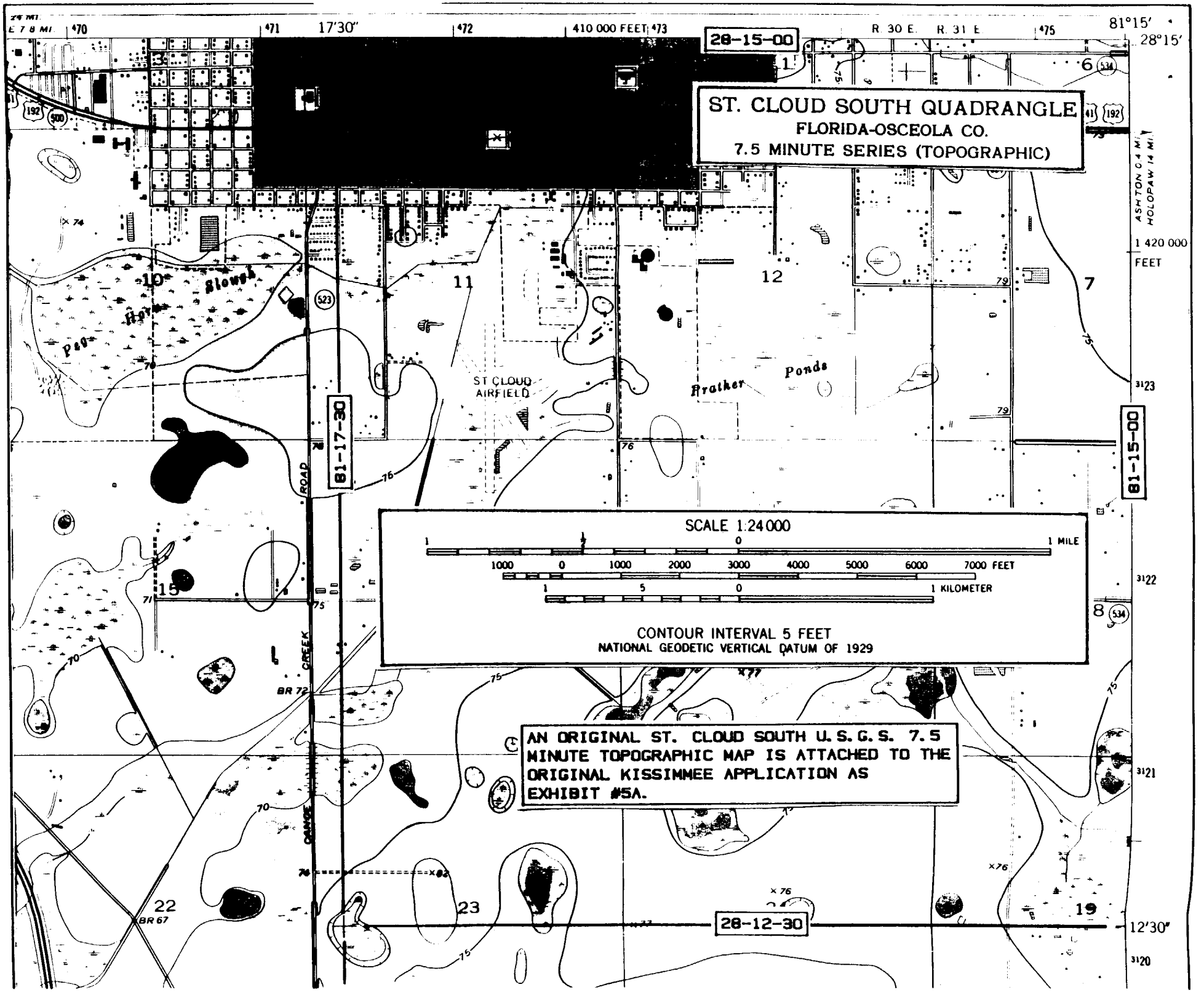
The effective radiated power of the proposed Kissimmee, Florida, noncommercial station is 1.1 kilowatts (vertical only) yielding a blanketing contour of 0.41 kilometers from the tower. While it is the experience of this firm that very little, if any, blanketing interference will be experienced by the grant and subsequent operation of this proposal, Hispanic Broadcast System, Inc., will follow the guidelines of §73.318 and good engineering practice to satisfy blanketing complaints.

FM BLANKETING CONTOUR STUDY

EXHIBIT #4A
AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia Washington, D.C.


BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia
Washington, D.C.
EXHIBIT #5
AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992
PROPOSED SITE :
N LAT 28-10-30
W LNG 81-16-58
81-17-30
81-15-00
28-10-00
Branch
Gator
Bay
27
26
25
30
34
35
6
523
T. 26 S.
T. 27 S.
10'

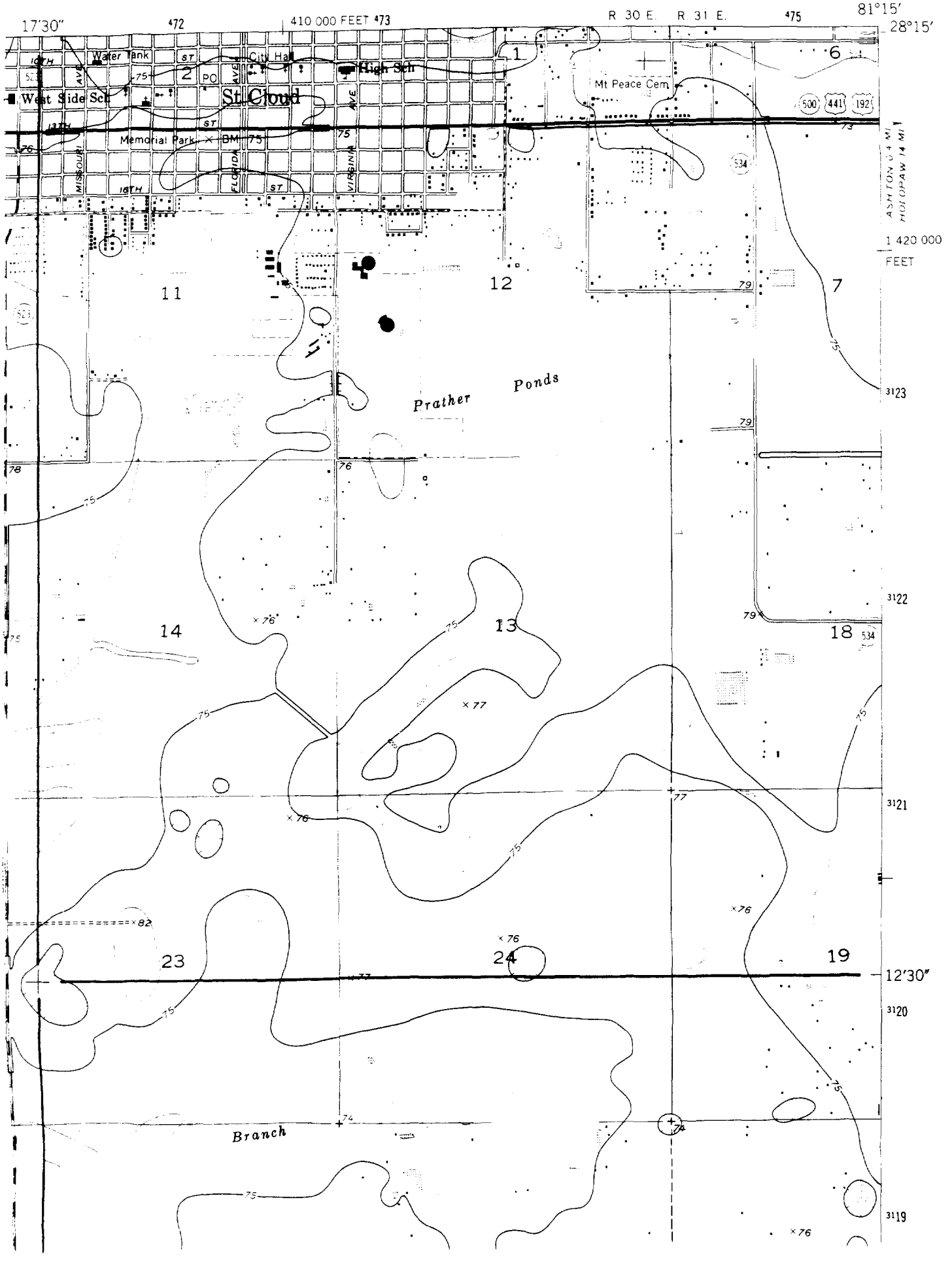

ST. CLOUD SOUTH QUADRANGLE
FLORIDA-OSCEOLA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
28-15-00
81°15'
28°15'
17'30"
410 000 FEET
R. 30 E.
R. 31 E.
ASHTON 0.4 MI.
HOLOPAW 14 MI.
1 420 000 FEET
81-17-30
81-15-00
28-12-30
12'30"
ST CLOUD AIRFIELD
Brother Ponds
Slough
ROAD
CREEK
CANOE
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
AN ORIGINAL ST. CLOUD SOUTH U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAP IS ATTACHED TO THE ORIGINAL KISSIMMEE APPLICATION AS EXHIBIT #5A.

ST. CLOUD SOUTH QUADRANGLE

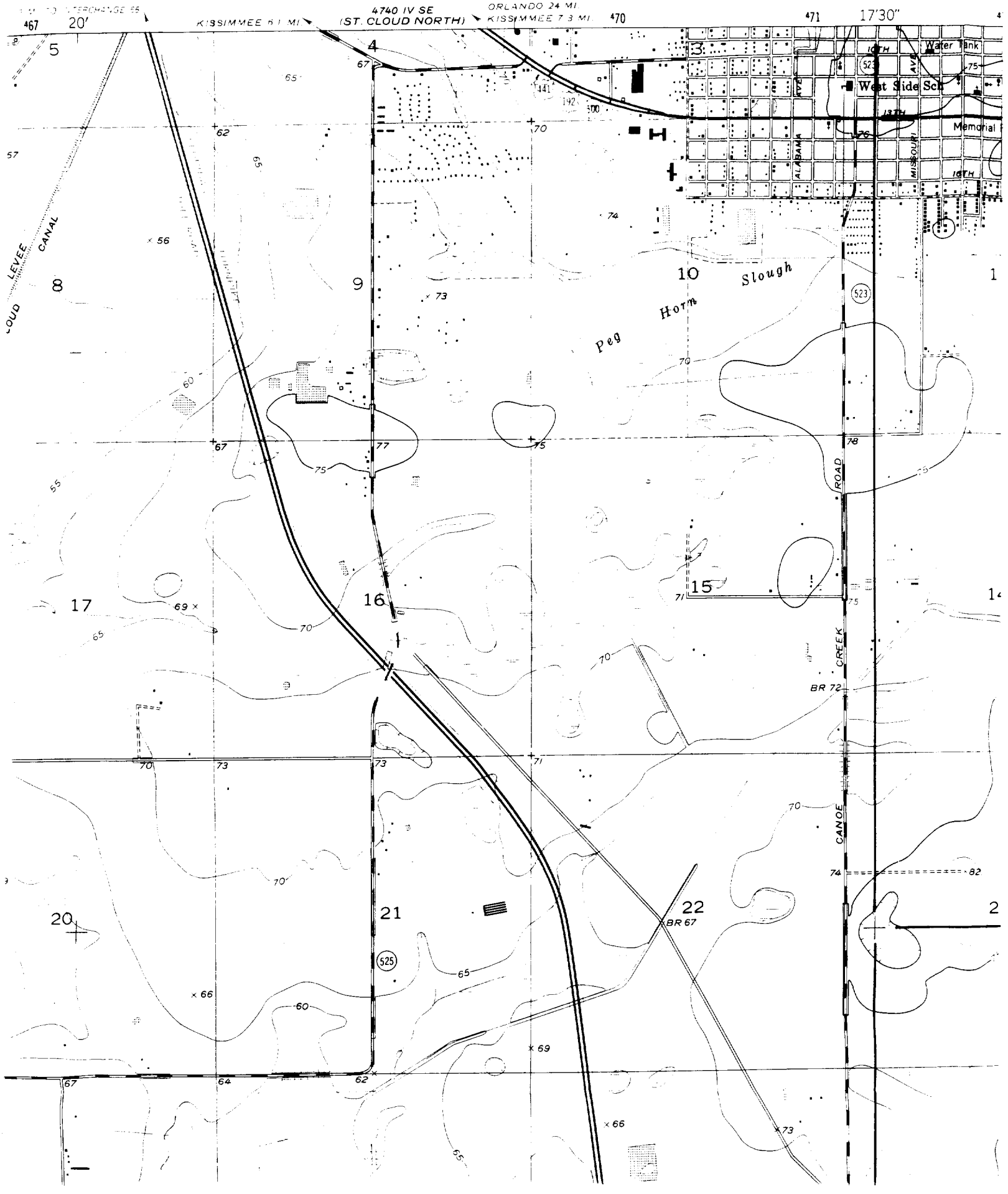
FLORIDA-OSCEOLA CO.

7.5 MINUTE SERIES (TOPOGRAPHIC)

47HO I SW
(NARCOOSSEE)

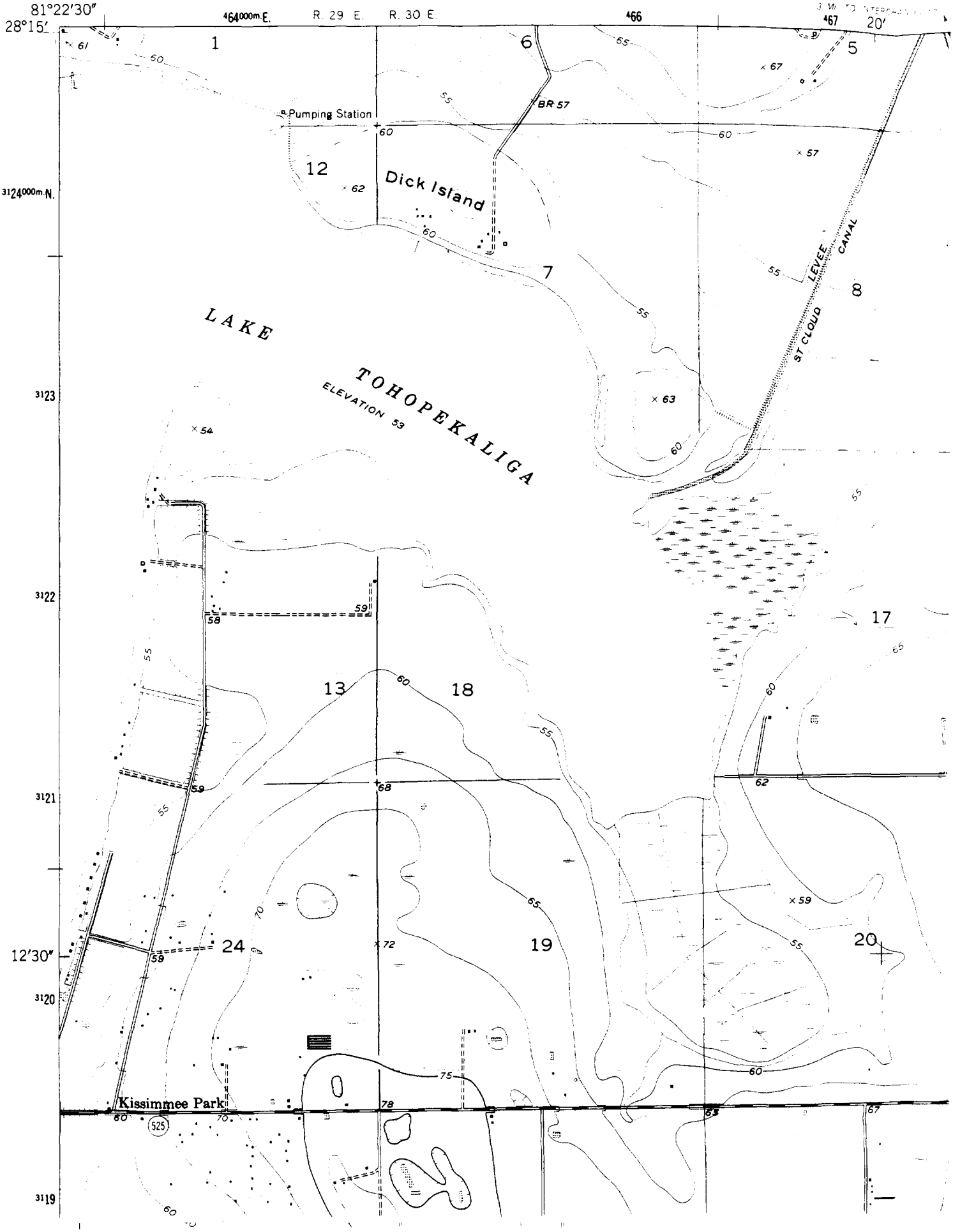


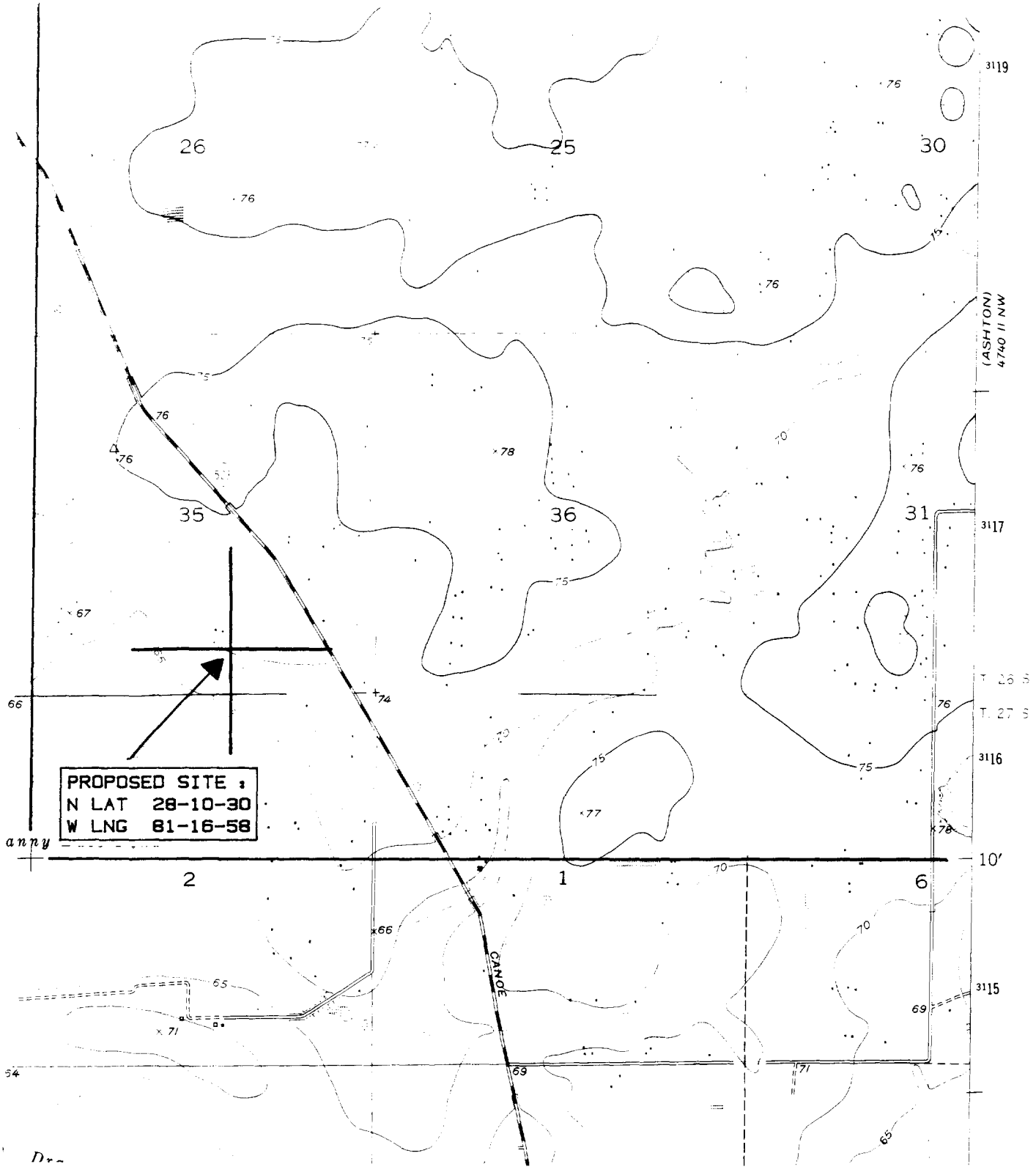
UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

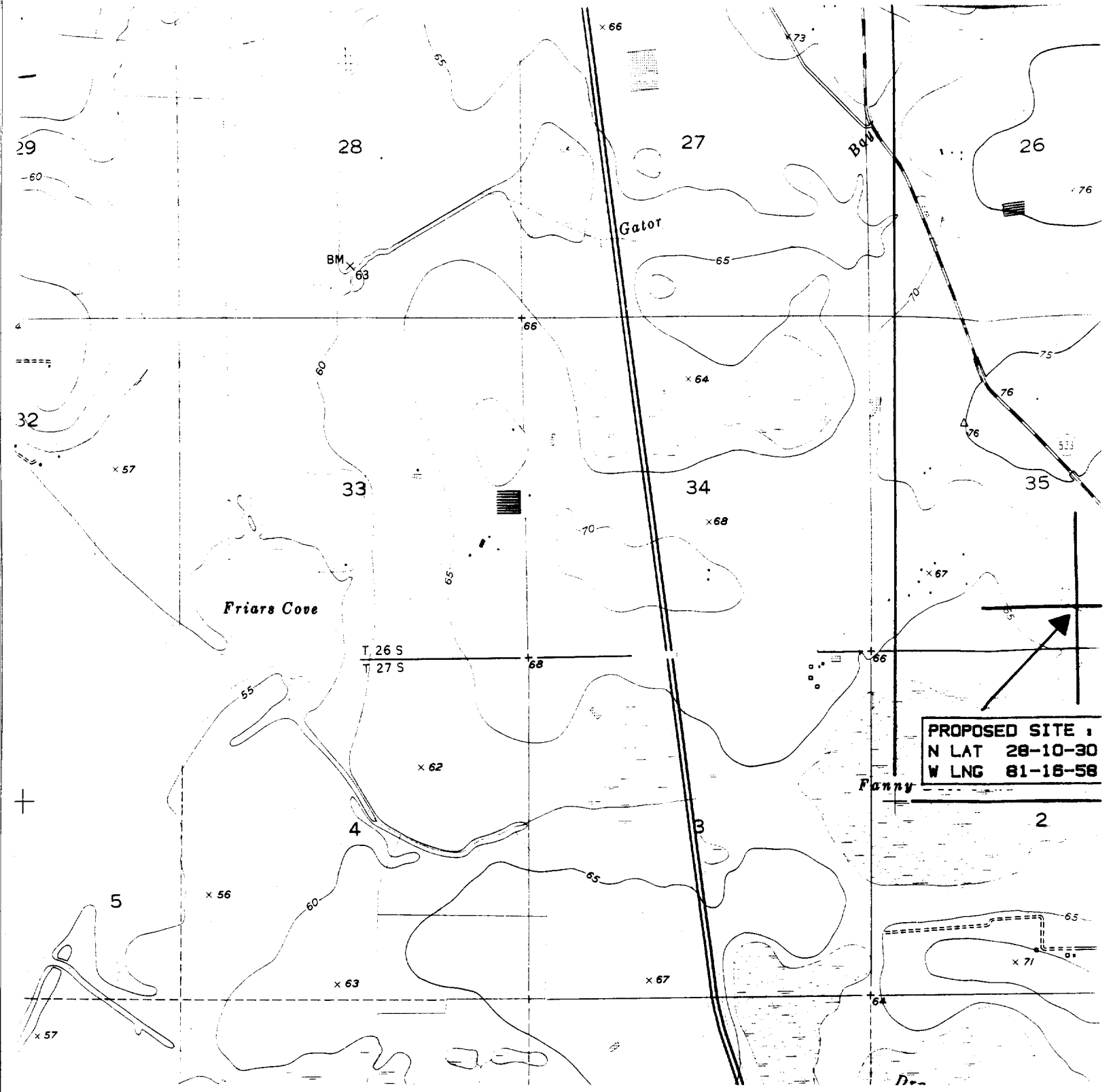


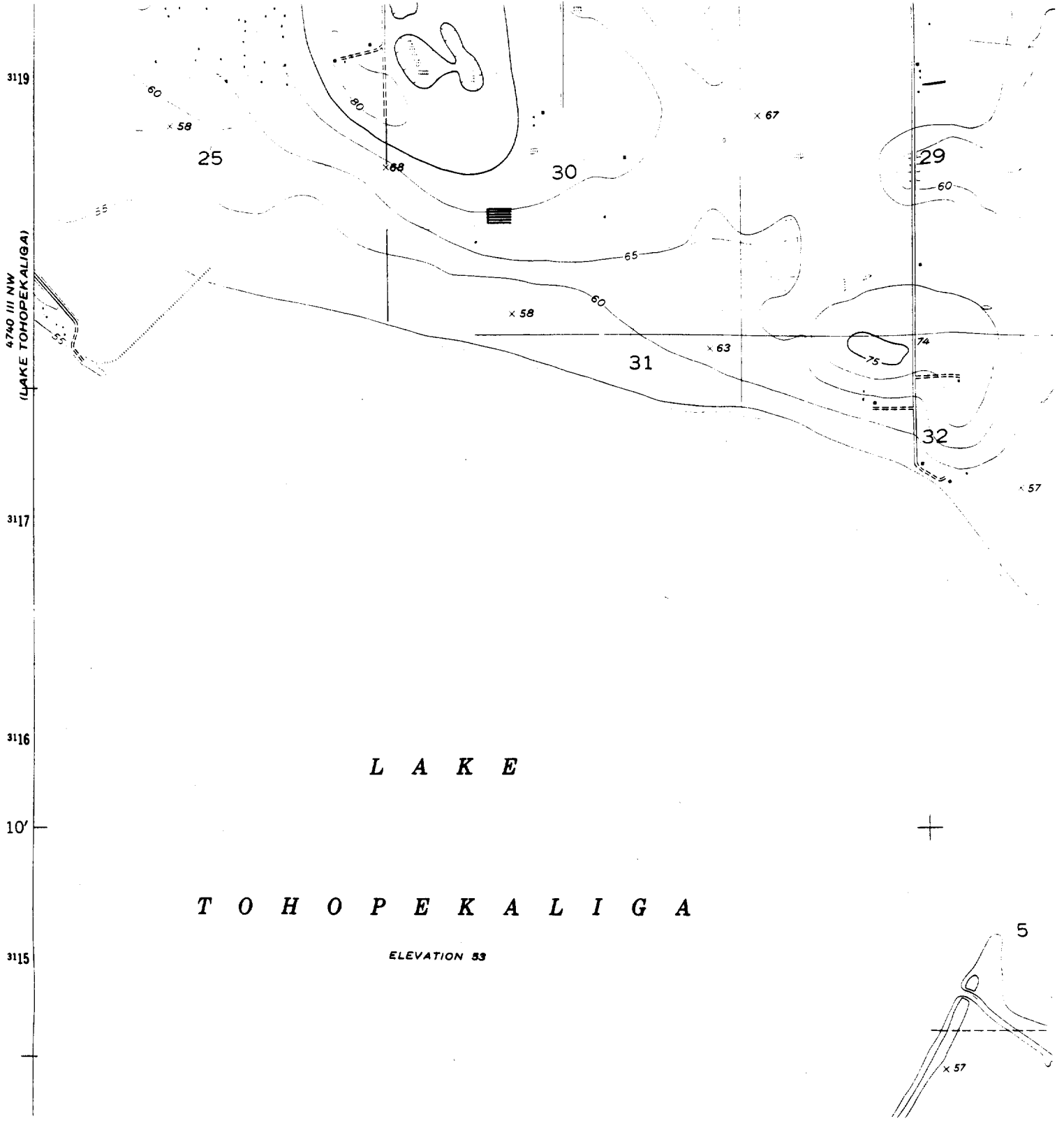
4740 IV SW
(KISSIMMEE)

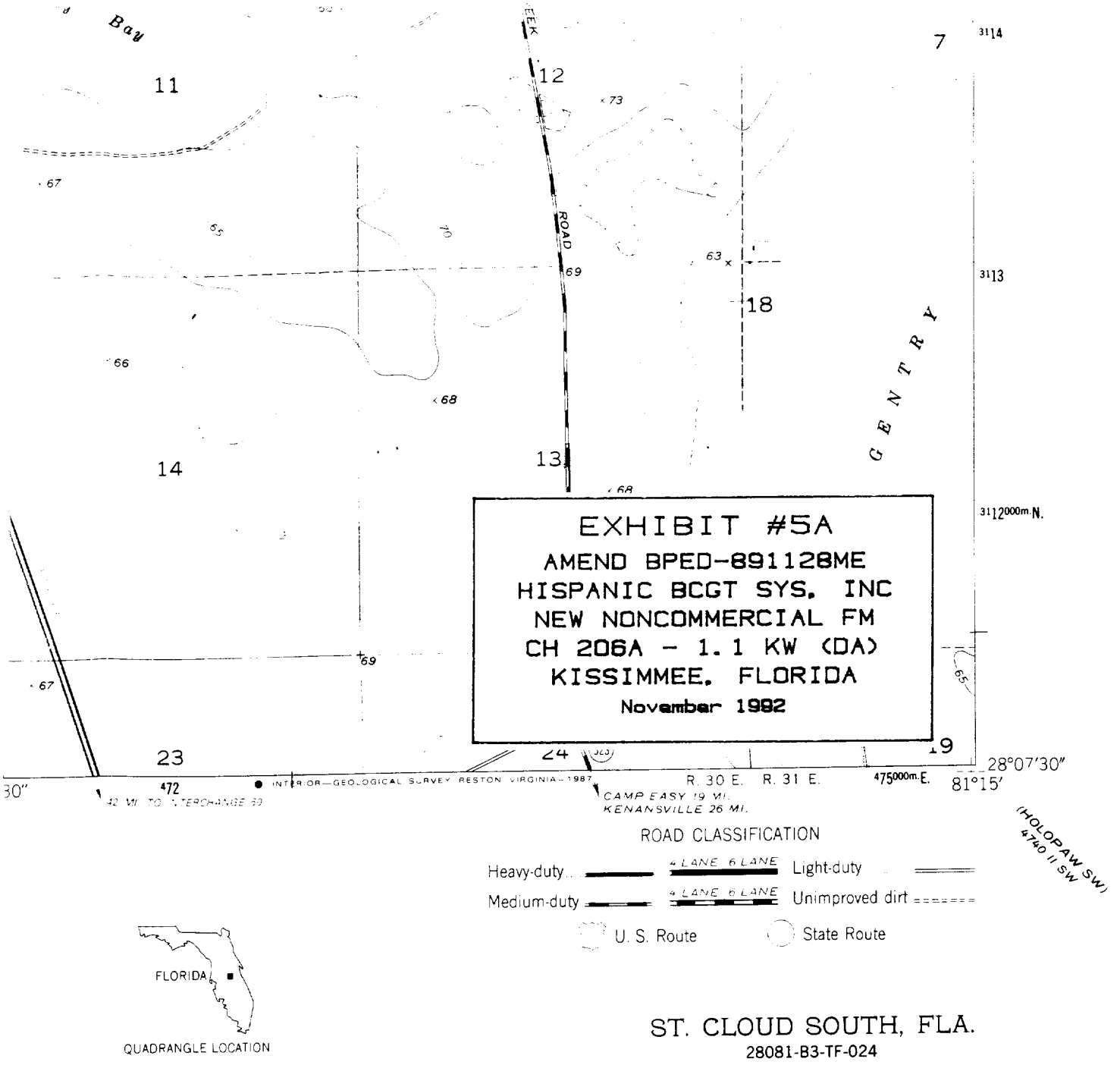
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY




PROPOSED SITE :
N LAT 28-10-30
W LNG 81-16-58
26
25
30
35
36
31
2
1
6
CANOE
(ASHTON)
4740 II NW
T. 26 S
T. 27 S
3119
3117
3116
3115
10'


PROPOSED SITE :
N LAT 28-10-30
W LNG 81-16-58
Friars Cove
Gator
Bay
Fanny
T 26 S
T 27 S
BM
29
28
27
26
32
33
34
35
4
3
2
5

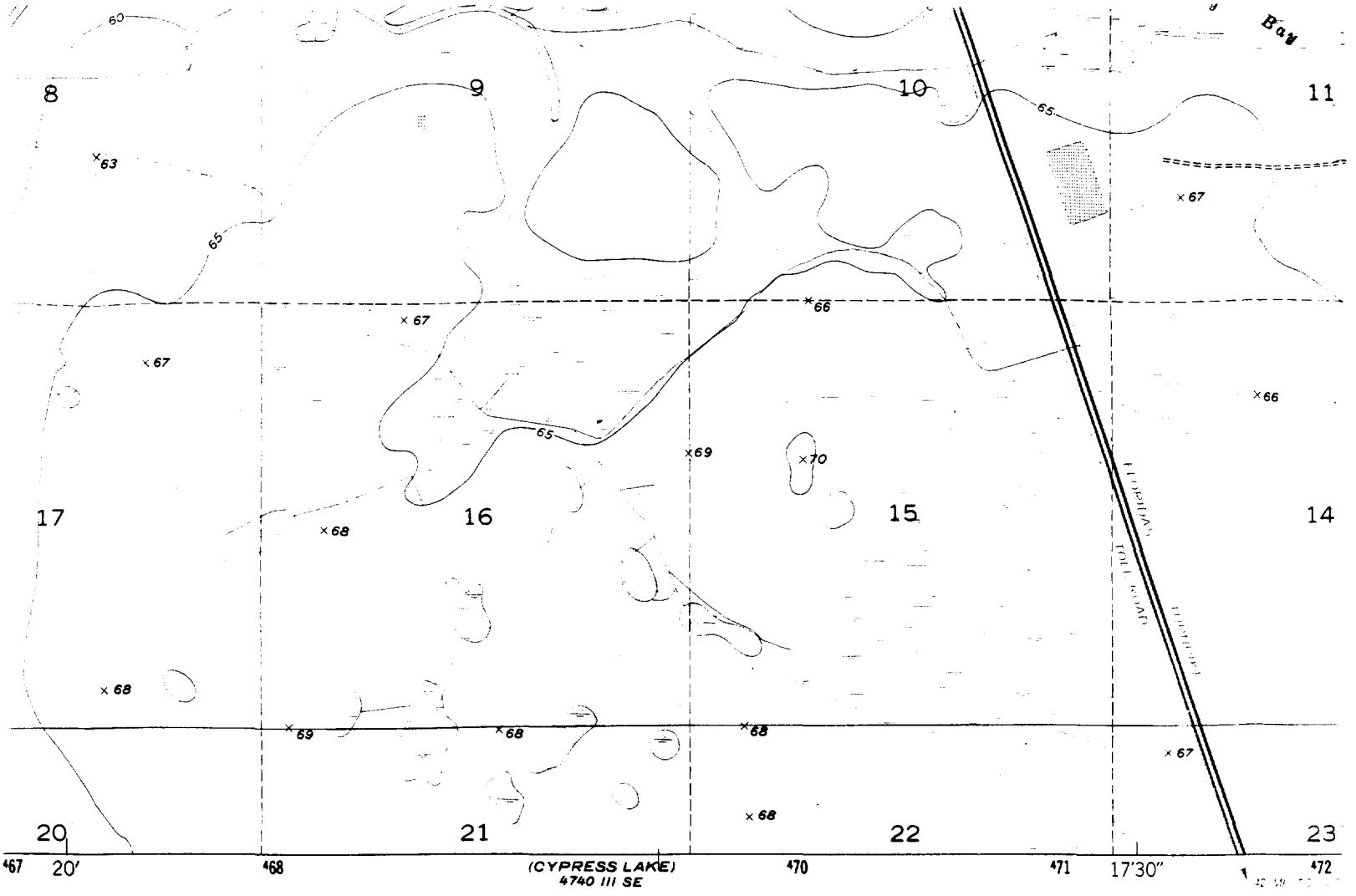

3119
3117
3116
10′
3115
4740 III NW
(LAKE TOHOPEKALIGA)
25
30
29
31
32
60
58
80
68
67
55
65
60
58
63
74
75
57
L A K E
T O H O P E K A L I G A
ELEVATION 53
5
57



QUADRANGLE LOCATION

ST. CLOUD SOUTH, FLA.
28081-B3-TF-024

1953
PHOTOREVISED 1980
DMA 4740 III NE—SERIES V847



SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

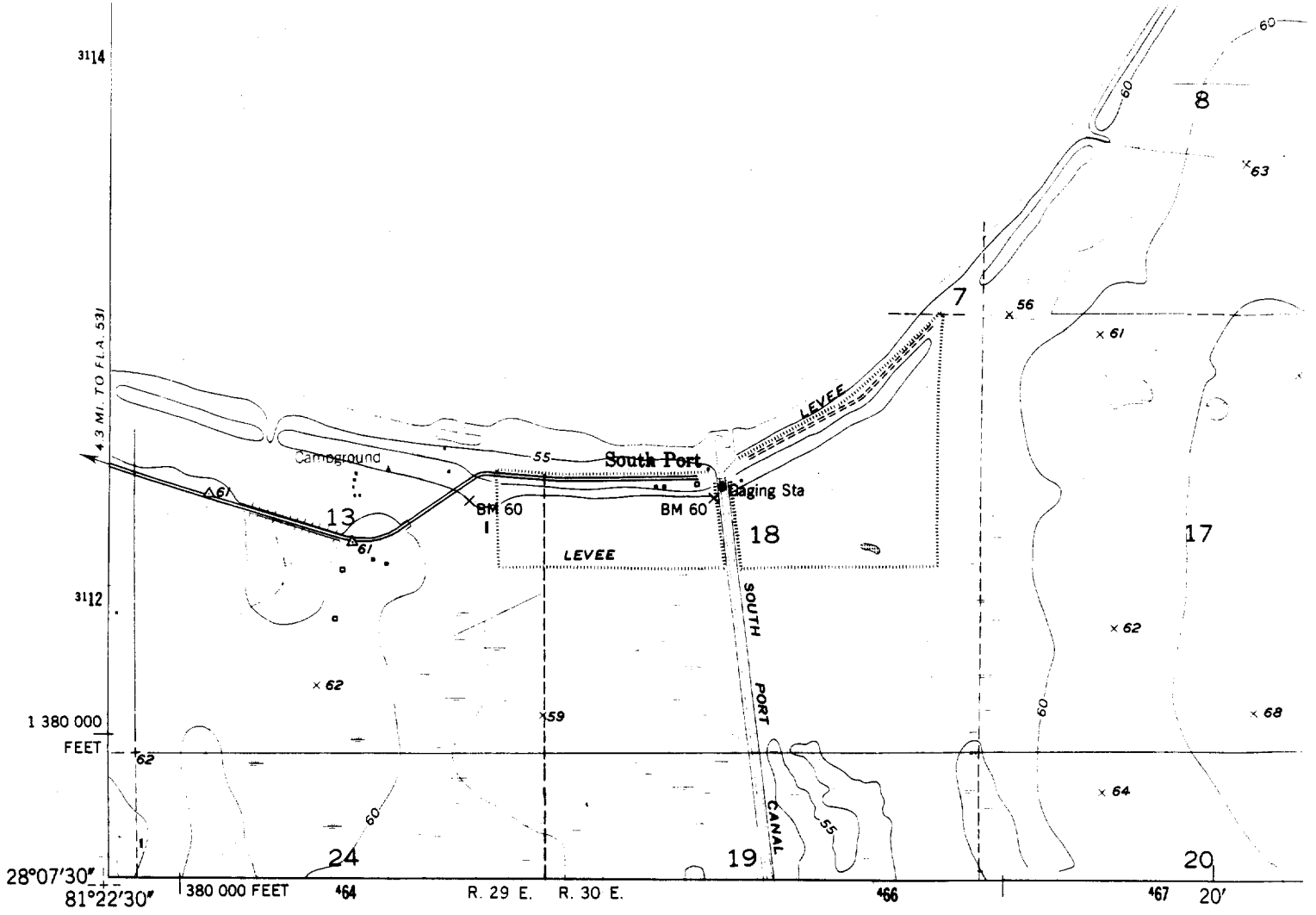
CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

FLOR

QUADRAN

Survey from aerial
information



(LAKE HATCHINEHA)
4740 III SW

Mapped by U. S. Corps of Engineers
Edited and published by the Geological Survey

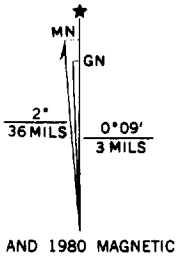
Control by USC&GS and USCE

Culture and drainage in part compiled from aerial photographs taken 1950. Topography by plane-table surveys 1950-1951
Field check by the Geological Survey 1953

Polyconic projection
10,000-foot grid based on Florida coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 28 meters south and 19 meters west as shown by dashed corner ticks

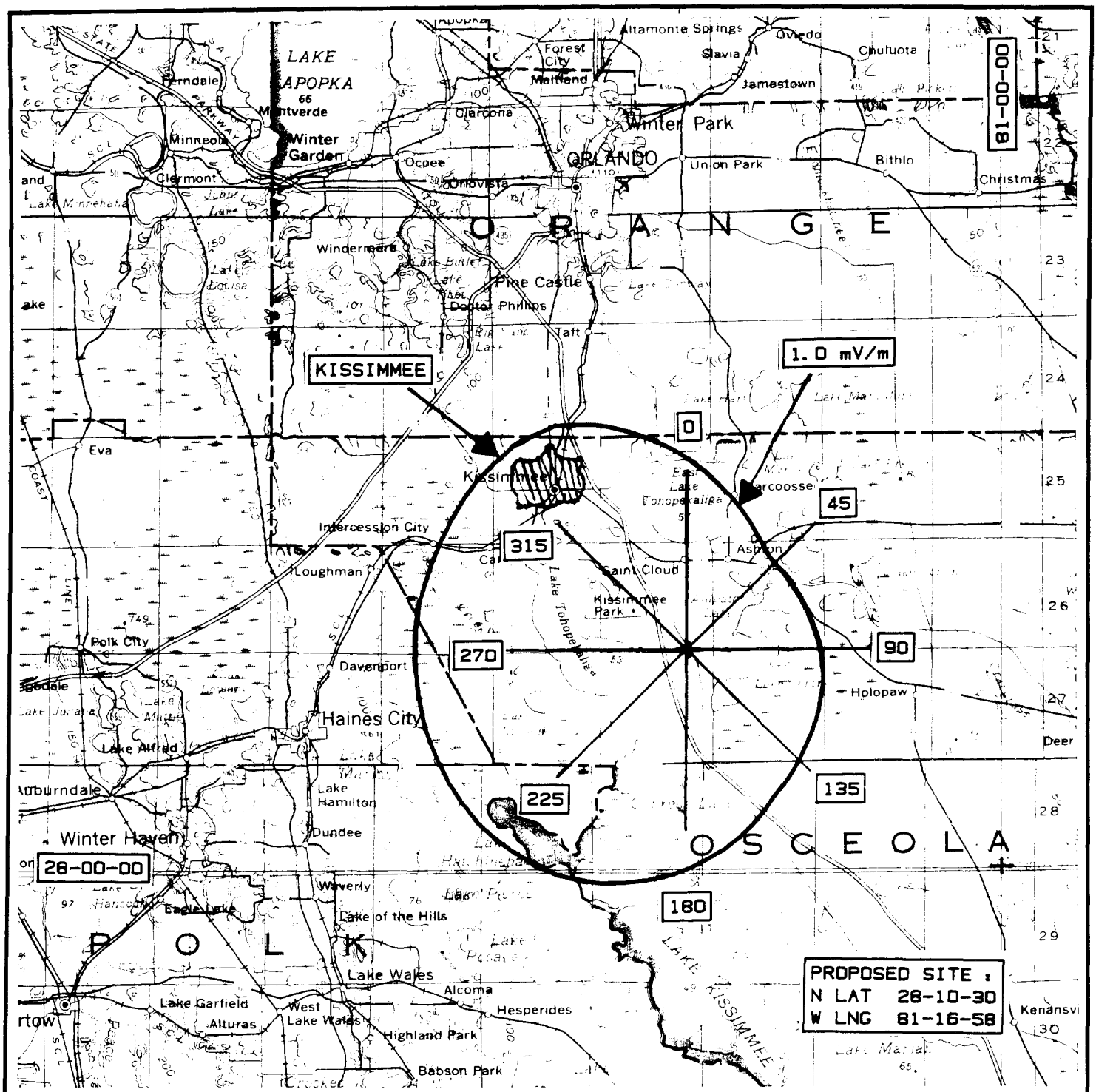
Red tint indicates areas in which only landmark buildings are shown

Dashed land lines indicate approximate locations



UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple compiled by the Geological Survey from aer photographs taken 1977 and other source data. This information not field checked. Map edited 1980



PREDICTED SERVICE CONTOUR

MAP IS A PORTION OF THE 1:500,000 SCALE U.S.G.S. BASE MAP OF FLORIDA.

EXHIBIT #6

AMEND BPED-891128ME
HISPANIC BCGT SYS, INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA

November 1992

SCALE 1:500,000

MI 10 0 10 MI

KM 10 0 10 KM

BROMO COMMUNICATIONS

BROADCAST TECHNICAL CONSULTANTS

St Simons Island, Georgia Washington, D.C.

AMEND BPED-891128ME
HISPANIC BROADCAST SYSTEM, INC.
NEW NONCOMMERCIAL FM STATION
CH 206A - 89.1 MHZ - 1.1 KW
KISSIMMEE, FLORIDA
November 1992

EXHIBIT # 7

Stations Considered in Allocations Study

WAYG.C 206C1 Sarasota, Florida [1]
100.0 kW 131 M
North Latitude 27° 06' 00" West Longitude 82° 22' 19"
Southwest Florida Community Radio, Inc.
File # BPED-880624MJ
>*To Channel 206C2

WAYG.A 206C2 Sarasota, Florida
50.0 kW 141M
North Latitude 27° 06' 01" West Longitude 82° 22' 18"
Southwest Florida Community Radio, Inc.
File #BMPED-920603IB

WPIO.A 207C3 Titusville, Florida
10.0 kW 91M
North Latitude 28° 34' 49" West Longitude 80° 51' 00"
Florida Public Radio, Inc.
File #BPED-910709IB

WPIO 207C3 Titusville, Florida [2]
7.0 kW 91M
North Latitude 28° 34' 49" West Longitude 80° 51' 00"
Florida Public Radio, Inc.
File #BLED-840418DM

1) The WAYG construction permit is being modified by BMPED-920603IB to a Class C2 facility. The C1 construction permit cannot be built at the authorized site, as noted by Southwest Florida Community Radio, Inc., in its modification application. Therefore, this instant amendment does not consider the C1 permit, but does adequately protect the contours proposed in file #BMPED-9206031IB.

2) The WPIO application at Titusville, Florida, proposes 10.0 kilowatts effective radiated power from its presently authorized (licensed) site. WPIO currently operates with 7.0 kilowatts. Therefore, this instant application protects the applied for 10.0 kilowatt facility, thus, providing ample protection for the licensed facility.

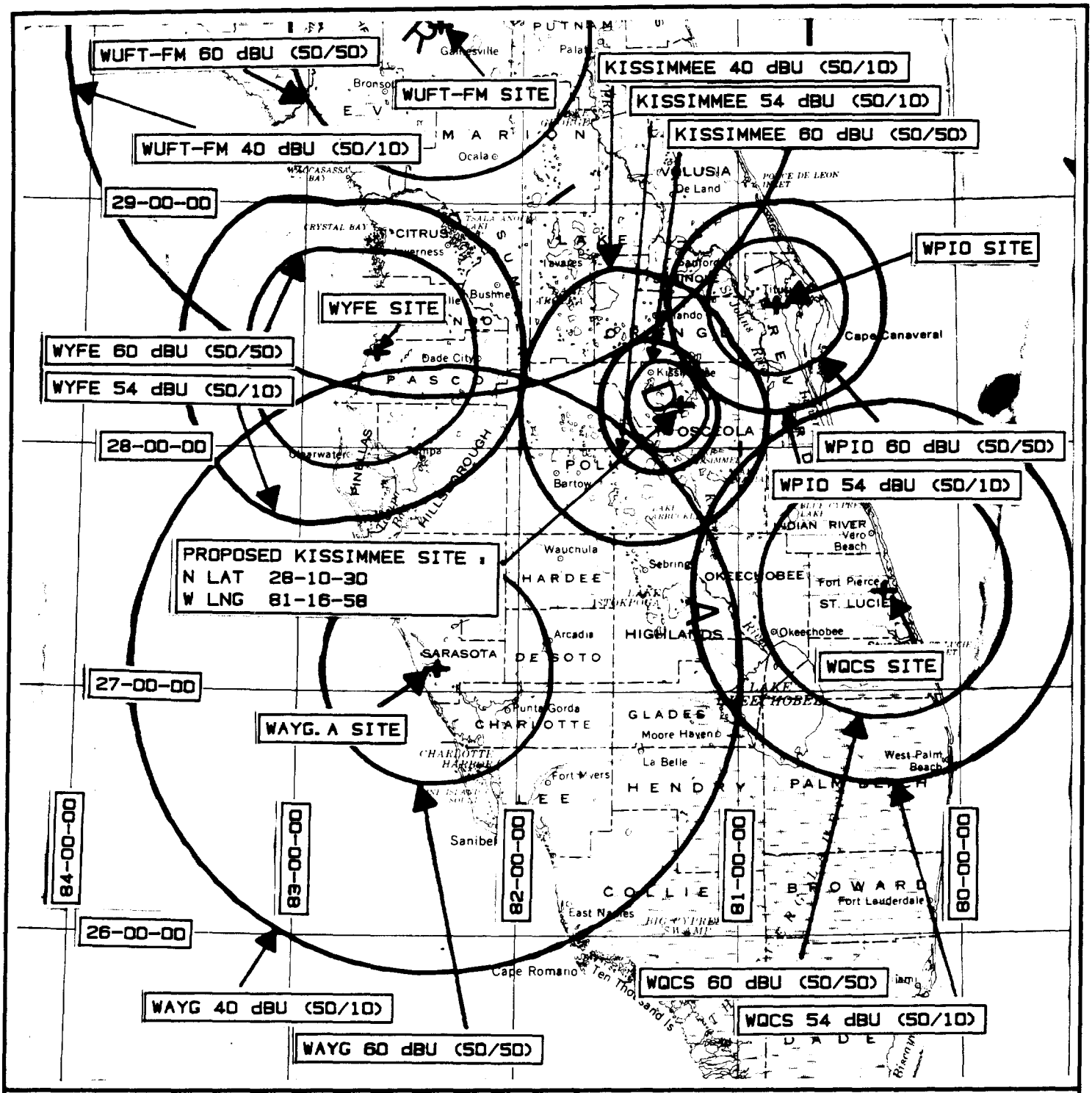
WQCS 205C1 Fort Pierce, Florida
100.0 kW 133M
North Latitude 27° 25' 17" West Longitude 80° 21' 23"
Indian River Community College
File #BLED-860414KD

WYFE.C 205C1 Tarpon Springs, Florida [3]
50.0 kW (DA) 151M
North Latitude 28° 24' 07" West Longitude 82° 36' 30"
Bible Broadcasting Network, Inc.
File #BMPED-880502IA

WYFE.A 205C1 Tarpon Springs, Florida
100.0 kW (DA) 144M
North Latitude 28° 23' 11" West Longitude 82° 39' 54"
Bible Broadcasting Network, Inc.
File #BPED-920306ID

WUFT-FM 206C1 Gainesville, Florida
100.0 kW 235M
North Latitude 29° 42' 34" West Longitude 82° 23' 40"
Bd of Regents, State of Florida
File #BLED-811007AJ

3) The applied for WYFE contours (100 kilowatts (DA) at 144 meters) extend beyond the license contour of the facility. As such, this instant amendment protects the applied for contours, and, therefore, adequately protects the permitted WYFE contours/facility.



CHANNEL 206 ALLOCATION STUDY

MAP IS A PORTION OF THE 1:2,500,000 SCALE U.S.G.S. EASTERN UNITED STATES MAP.

SEE EXHIBIT #7 FOR SITE COORDINATES AND OTHER PERTINENT DATA RELATING TO THE STATIONS SHOWN ON THIS EXHIBIT.

EXHIBIT #7A

AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA

November 1992

SCALE 1:2,500,000

MI 50 0 50 MI

KM 50 0 50 KM

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia Washington, D.C.

KISSIMMEE (PROPOSED)
Channel= 206
Max ERP = 1.1 kW
RCAMSL = 176.784 M
N. Lat = 281030
W. Lng = 811658

WAYG.A- BMPED920603IB
Channel = 206
Max ERP = 50 kW
RCAMSL = 144 M
N. Lat = 270601
W. Lng = 822218

Protected 60 dBu				Interfering 40 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	0.266	163.6	17.0	38.3	50.000	139.5	173.4	33.4
10.0	0.169	163.9	15.1	39.4	50.000	139.5	173.3	33.5
20.0	0.108	163.6	13.4	40.4	50.000	139.5	172.9	33.5
30.0	0.068	162.3	12.0	41.2	50.000	139.5	172.1	33.7
40.0	0.048	162.7	11.0	41.9	50.000	139.4	171.4	33.8
50.0	0.044	163.8	10.8	42.6	50.000	139.4	171.1	33.8
60.0	0.045	162.2	10.8	43.2	50.000	139.4	170.7	33.9
70.0	0.049	161.6	11.0	43.8	50.000	139.4	170.2	34.0
80.0	0.055	161.0	11.3	44.4	50.000	139.4	169.4	34.2
90.0	0.063	161.1	11.7	45.0	50.000	139.4	168.5	34.3
100.0	0.072	161.3	12.1	45.6	50.000	139.4	167.1	34.6
110.0	0.081	160.4	12.4	46.0	50.000	139.4	165.5	34.9
120.0	0.095	160.2	12.9	46.5	50.000	139.4	163.6	35.2
130.0	0.113	160.0	13.4	46.8	50.000	139.4	161.5	35.6
140.0	0.143	160.2	14.2	47.2	50.000	139.4	159.1	36.0
150.0	0.181	160.3	15.1	47.4	50.000	139.4	156.4	36.4
160.0	0.246	162.4	16.6	47.6	50.000	139.4	153.4	36.9
170.0	0.339	162.6	18.1	47.5	50.000	139.4	150.0	37.5
180.0	0.445	164.1	19.5	47.2	50.000	139.4	146.6	38.1
190.0	0.586	164.1	20.8	46.5	50.000	139.4	143.3	38.7
200.0	0.745	164.6	22.0	45.5	50.000	139.4	140.3	39.2
210.0	0.893	164.4	23.0	44.1	50.000	139.4	138.1	39.6
220.0	0.993	163.9	23.5	42.4	50.000	139.4	137.0	39.9
230.0	1.085	163.2	23.9	40.7	50.000	139.5	136.8	39.9
240.0	1.100	163.6	24.0	39.0	50.000	139.5	137.8	39.7
250.0	1.100	164.3	24.1	37.4	50.000	139.5	139.6	39.3
260.0	1.100	163.6	24.0	36.1	50.000	139.5	142.3	38.8
270.0	1.100	163.4	24.0	35.0	50.000	139.5	145.4	38.3
280.0	1.100	163.5	24.0	34.2	50.000	139.5	149.1	37.6
290.0	1.100	161.3	23.9	33.7	50.000	139.5	153.0	37.0
300.0	1.100	161.9	23.9	33.5	50.000	139.5	157.1	36.3
310.0	1.100	163.0	24.0	33.5	50.000	139.5	161.3	35.6
320.0	1.100	161.9	23.9	33.8	50.000	139.5	165.4	34.9
330.0	0.966	162.7	23.3	34.5	50.000	139.5	169.0	34.2
340.0	0.661	162.6	21.3	35.7	50.000	139.5	171.4	33.8
350.0	0.419	162.4	19.1	37.0	50.000	139.5	172.8	33.6

KISSIMMEE PROT./WAYG INTER.

EXHIBIT #7B
AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia Washington, D.C.

WAYG.A- BMPED920603IB
Channel= 206
Max ERP = 50 kW
RCAMSL = 144 M
N. Lat = 270601
W. Lng = 822218

KISSIMMEE (PROPOSED)
Channel = 206
Max ERP = 1.1 kW
RCAMSL = 176.784 M
N. Lat = 281030
W. Lng = 811658

Protected
60 dBu

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	50.000	141.9	51.1	237.6	1.096	163.3	127.0	25.9
10.0	50.000	142.4	51.2	235.1	1.092	162.9	120.0	27.2
20.0	50.000	143.7	51.3	231.7	1.087	162.9	114.3	28.3
30.0	50.000	139.8	50.8	227.5	1.061	163.4	111.1	28.8
40.0	50.000	139.5	50.8	222.9	1.019	163.7	109.6	29.0
50.0	50.000	139.5	50.8	218.4	0.976	164.1	110.3	28.6
60.0	50.000	139.5	50.8	214.1	0.933	164.4	113.1	27.9
70.0	50.000	139.6	50.8	210.4	0.897	164.4	117.9	26.8
80.0	50.000	140.1	50.8	207.5	0.855	164.2	124.3	25.3
90.0	50.000	140.8	50.9	205.4	0.823	164.3	131.8	23.7
100.0	50.000	143.2	51.3	204.0	0.803	164.4	140.1	22.0
110.0	50.000	144.0	51.4	203.4	0.794	164.4	148.9	20.3
120.0	50.000	144.0	51.4	203.5	0.795	164.4	157.9	18.9
130.0	50.000	144.0	51.4	204.2	0.806	164.4	166.7	17.4
140.0	50.000	144.0	51.4	205.2	0.820	164.3	175.1	15.9
150.0	50.000	144.0	51.4	206.6	0.841	164.2	183.0	14.6
160.0	50.000	144.0	51.4	208.3	0.867	164.2	190.1	13.4
170.0	50.000	144.0	51.4	210.2	0.895	164.4	196.3	12.4
180.0	50.000	144.0	51.4	212.3	0.915	164.5	201.6	11.6
190.0	50.000	144.0	51.4	214.5	0.937	164.4	205.9	10.9
200.0	50.000	144.0	51.4	216.8	0.960	164.2	209.1	10.5
210.0	50.000	144.0	51.4	219.2	0.985	164.0	211.1	10.2
220.0	50.000	144.0	51.4	221.6	1.007	163.8	211.9	10.2
230.0	50.000	144.0	51.4	224.0	1.029	163.6	211.5	10.3
240.0	50.000	144.0	51.4	226.4	1.051	163.4	210.0	10.7
250.0	50.000	144.0	51.4	228.7	1.072	163.4	207.3	11.3
260.0	50.000	144.0	51.4	231.0	1.086	163.0	203.4	12.0
270.0	50.000	144.0	51.4	233.1	1.089	162.8	198.5	12.9
280.0	50.000	144.0	51.4	235.1	1.092	162.9	192.6	13.9
290.0	50.000	144.0	51.4	236.9	1.095	163.2	185.8	15.2
300.0	50.000	144.0	51.4	238.4	1.098	163.5	178.3	16.6
310.0	50.000	144.0	51.4	239.6	1.099	163.6	170.1	18.1
320.0	50.000	144.0	51.4	240.4	1.100	163.6	161.4	19.7
330.0	50.000	144.0	51.4	240.7	1.100	163.5	152.4	21.1
340.0	50.000	143.6	51.3	240.4	1.100	163.6	143.5	22.7
350.0	50.000	143.4	51.3	239.4	1.099	163.6	134.9	24.3

WAYG PROT./KISSIMMEE INTER.

EXHIBIT #7C
AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia
Washington, D.C.

KISSIMMEE (PROPOSED)
Channel= 206
Max ERP = 1.1 kW
RCAMSL = 176.784 M
N. Lat = 281030
W. Lng = 811658

WPIO.A- BPED910709IB
Channel = 207
Max ERP = 10 kW
RCAMSL = 96 M
N. Lat = 283449
W. Lng = 805100

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	0.266	163.6	17.0	236.7	10.000	94.2	50.7	53.1
10.0	0.169	163.9	15.1	232.9	10.000	94.5	49.9	53.4
20.0	0.108	163.6	13.4	229.5	10.000	94.8	49.7	53.5
30.0	0.068	162.3	12.0	226.5	10.000	94.8	50.2	53.3
40.0	0.048	162.7	11.0	224.1	10.000	94.8	50.8	53.1
50.0	0.044	163.8	10.8	221.9	10.000	95.1	51.0	53.1
60.0	0.045	162.2	10.8	219.9	10.000	95.3	51.5	52.9
70.0	0.049	161.6	11.0	217.9	10.000	95.6	52.2	52.7
80.0	0.055	161.0	11.3	216.1	10.000	95.9	53.1	52.3
90.0	0.063	161.1	11.7	214.4	10.000	95.9	54.4	51.8
100.0	0.072	161.3	12.1	213.0	10.000	95.8	56.0	51.2
110.0	0.081	160.4	12.4	212.1	10.000	95.7	58.0	50.5
120.0	0.095	160.2	12.9	211.4	10.000	95.7	60.1	49.8
130.0	0.113	160.0	13.4	211.0	10.000	95.7	62.5	49.0
140.0	0.143	160.2	14.2	210.8	10.000	95.7	65.0	48.2
150.0	0.181	160.3	15.1	211.0	10.000	95.7	67.7	47.4
160.0	0.246	162.4	16.6	211.3	10.000	95.7	70.8	46.5
170.0	0.339	162.6	18.1	212.1	10.000	95.7	74.0	45.5
180.0	0.445	164.1	19.5	213.4	10.000	95.8	77.1	44.7
190.0	0.586	164.1	20.8	215.2	10.000	95.9	80.0	43.9
200.0	0.745	164.6	22.0	217.3	10.000	95.7	82.5	43.2
210.0	0.893	164.4	23.0	219.8	10.000	95.3	84.3	42.6
220.0	0.993	163.9	23.5	222.5	10.000	95.0	85.3	42.4
230.0	1.085	163.2	23.9	225.2	10.000	94.8	85.6	42.3
240.0	1.100	163.6	24.0	228.0	10.000	94.9	85.1	42.4
250.0	1.100	164.3	24.1	230.7	10.000	94.7	84.0	42.7
260.0	1.100	163.6	24.0	233.4	10.000	94.4	82.3	43.2
270.0	1.100	163.4	24.0	235.9	10.000	94.3	80.2	43.7
280.0	1.100	163.5	24.0	238.3	10.000	94.3	77.6	44.5
290.0	1.100	161.3	23.9	240.5	10.000	94.5	74.5	45.3
300.0	1.100	161.9	23.9	242.4	10.000	94.7	71.2	46.3
310.0	1.100	163.0	24.0	244.1	10.000	95.1	67.5	47.4
320.0	1.100	161.9	23.9	245.3	10.000	95.1	63.6	48.6
330.0	0.966	162.7	23.3	245.4	10.000	95.1	59.4	50.0
340.0	0.661	162.6	21.3	243.4	10.000	95.0	55.6	51.4
350.0	0.419	162.4	19.1	240.3	10.000	94.5	52.6	52.4

KISSIMMEE PROT./WPIO INTER.

EXHIBIT #7D
AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia Washington, D.C.

WPIO.A- BPED910709IB
Channel= 207
Max ERP = 10 kW
RCAMSL = 96 M
N. Lat = 283449
W. Lng = 805100

Protected
60 dBu

KISSIMMEE (PROPOSED)
Channel = 206
Max ERP = 1.1 kW
RCAMSL = 176.784 M
N. Lat = 281030
W. Lng = 811658

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	10.000	91.0	30.4	29.4	0.070	162.3	86.4	23.5
10.0	10.000	93.1	30.7	32.4	0.063	162.6	89.0	22.2
20.0	10.000	94.5	31.0	35.6	0.056	162.6	91.0	21.1
30.0	10.000	94.7	31.0	38.9	0.050	162.5	92.2	20.3
40.0	10.000	95.3	31.1	42.2	0.047	163.2	92.8	19.9
50.0	10.000	95.4	31.1	45.6	0.046	163.5	92.7	19.8
60.0	10.000	95.4	31.1	48.9	0.045	163.8	92.0	19.9
70.0	10.000	95.6	31.1	52.2	0.045	163.7	90.7	20.3
80.0	10.000	95.6	31.1	55.5	0.045	163.5	88.7	20.9
90.0	10.000	95.7	31.2	58.6	0.045	162.5	86.2	21.6
100.0	10.000	95.6	31.1	61.6	0.045	162.0	83.1	22.6
110.0	10.000	95.2	31.1	64.4	0.046	161.7	79.4	23.8
120.0	10.000	95.0	31.0	67.0	0.047	161.6	75.3	25.2
130.0	10.000	94.1	30.9	69.2	0.048	161.6	70.7	26.7
140.0	10.000	93.0	30.7	71.0	0.049	161.5	65.8	28.4
150.0	10.000	90.1	30.2	72.0	0.050	161.5	60.6	30.3
160.0	10.000	90.6	30.3	72.7	0.050	161.6	55.3	32.3
170.0	10.000	93.2	30.7	73.0	0.050	161.6	50.0	34.3
180.0	10.000	96.0	31.2	72.1	0.050	161.5	44.6	36.4
190.0	10.000	96.0	31.2	69.1	0.048	161.6	39.7	38.5
200.0	10.000	96.0	31.2	63.9	0.046	161.8	35.4	40.4
210.0	10.000	95.8	31.2	56.3	0.045	163.2	32.3	42.0
220.0	10.000	95.3	31.1	46.8	0.045	163.6	30.8	42.9
230.0	10.000	94.7	31.0	36.8	0.054	162.5	31.2	43.3
240.0	10.000	94.4	30.9	28.0	0.075	162.3	33.3	43.6
250.0	10.000	94.9	31.0	21.2	0.103	163.3	36.8	43.3
260.0	10.000	94.9	31.0	16.7	0.126	164.0	41.3	42.1
270.0	10.000	95.6	31.1	14.1	0.142	164.0	46.3	40.4
280.0	10.000	96.0	31.2	13.1	0.149	163.8	51.7	38.5
290.0	10.000	96.0	31.2	13.2	0.148	163.8	57.1	36.4
300.0	10.000	96.0	31.2	14.3	0.141	164.0	62.4	34.3
310.0	10.000	96.0	31.2	15.9	0.131	164.1	67.6	32.3
320.0	10.000	96.0	31.2	18.0	0.119	163.9	72.3	30.2
330.0	10.000	96.0	31.2	20.4	0.106	163.5	76.8	28.3
340.0	10.000	95.2	31.1	23.2	0.094	162.8	80.6	26.5
350.0	10.000	90.3	30.3	26.4	0.081	162.2	83.4	25.0

WPIO PROT./KISSIMMEE INTER.

EXHIBIT #7E
AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA
November 1992

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia Washington, D.C.

Predicted Signal Contours:

28 10 30 - PROTECTED AND INTERFERING CONTOURS
81 16 58 - NEW NONCOMMERCIAL STATION - KISSIMMEE, FLORIDA

ERP = 1.1 kW, .414 dBk FM - 2-6 Tables

Radial	HAAT	kW	dBk	Field	60 dBu.5	54 dBu.1	40 dBu.1
0 Degs.	163.6M	0.266	-5.747	0.492	17.0	25.4	54.3
10 Degs.	163.9M	0.169	-7.720	0.392	15.1	22.7	49.2
20 Degs.	163.6M	0.108	-9.675	0.313	13.4	20.2	44.4
30 Degs.	162.3M	0.068	-11.662	0.249	12.0	17.6	39.8
40 Degs.	162.7M	0.048	-13.225	0.208	11.0	15.7	36.6
50 Degs.	163.8M	0.044	-13.522	0.201	10.8	15.5	36.1
60 Degs.	162.2M	0.045	-13.479	0.202	10.8	15.4	36.0
70 Degs.	161.6M	0.049	-13.142	0.210	11.0	15.8	36.7
80 Degs.	161.0M	0.055	-12.620	0.223	11.3	16.3	37.7
90 Degs.	161.1M	0.063	-11.982	0.240	11.7	17.1	39.0
100 Degs.	161.3M	0.072	-11.421	0.256	12.1	17.8	40.2
110 Degs.	160.4M	0.081	-10.927	0.271	12.4	18.4	41.2
120 Degs.	160.2M	0.095	-10.219	0.294	12.9	19.2	42.7
130 Degs.	160.0M	0.113	-9.456	0.321	13.4	20.2	44.4
140 Degs.	160.2M	0.143	-8.460	0.360	14.2	21.4	46.9
150 Degs.	160.3M	0.181	-7.416	0.406	15.1	22.8	49.6
160 Degs.	162.4M	0.246	-6.089	0.473	16.6	24.8	53.3
170 Degs.	162.6M	0.339	-4.700	0.555	18.1	26.8	57.0
180 Degs.	164.1M	0.445	-3.517	0.636	19.5	28.8	60.4
190 Degs.	164.1M	0.586	-2.320	0.730	20.8	30.8	63.8
200 Degs.	164.6M	0.745	-1.278	0.823	22.0	32.8	67.0
210 Degs.	164.4M	0.893	-0.492	0.901	23.0	34.3	69.4
220 Degs.	163.9M	0.993	-0.032	0.950	23.5	35.1	70.7
230 Degs.	163.2M	1.085	0.353	0.993	23.9	35.8	71.8
240 Degs.	163.6M	1.100	0.414	1.000	24.0	36.0	72.0
250 Degs.	164.3M	1.100	0.414	1.000	24.1	36.1	72.1
260 Degs.	163.6M	1.100	0.414	1.000	24.0	36.0	72.0
270 Degs.	163.4M	1.100	0.414	1.000	24.0	36.0	72.0
280 Degs.	163.5M	1.100	0.414	1.000	24.0	36.0	72.0
290 Degs.	161.3M	1.100	0.414	1.000	23.9	35.7	71.7
300 Degs.	161.9M	1.100	0.414	1.000	23.9	35.8	71.8
310 Degs.	163.0M	1.100	0.414	1.000	24.0	35.9	71.9
320 Degs.	161.9M	1.100	0.414	1.000	23.9	35.8	71.8
330 Degs.	162.7M	0.966	-0.151	0.937	23.3	34.8	70.1
340 Degs.	162.6M	0.661	-1.800	0.775	21.3	31.6	65.1
350 Degs.	162.4M	0.419	-3.780	0.617	19.1	28.2	59.4

KISSIMMEE TABULATED CONTOURS

EXHIBIT #7F

AMEND BPED-891128ME
HISPANIC BCGT SYS. INC
NEW NONCOMMERCIAL FM
CH 206A - 1.1 KW (DA)
KISSIMMEE, FLORIDA

November 1992

BROMO COMMUNICATIONS
BROADCAST TECHNICAL CONSULTANTS
St Simons Island, Georgia Washington, D.C.

AMEND BPED-891128ME
HISPANIC BROADCAST SYSTEM, INC.
NEW NONCOMMERCIAL FM STATION
CH 206A - 89.1 MHZ - 1.1 KW
KISSIMMEE, FLORIDA
November 1992

EXHIBIT #8

Intermediate Frequency Stations

There are no stations separated by either 53 or 54 channels in the immediate vicinity of this instant proposal. The nearest intermediate frequency ("IF") station is the construction permit for WWDO, Channel 259C2, Vero Beach, Florida. WWDO
is located 92.63 kilometers from the proposed Kissimmee, Florida, site.

The minimum distance spacing requirement for an IF station, §73.207, requires the Kissimmee facility to be a minimum of 15 kilometers from WWDO. Therefore, since this proposal is significantly further from WWDO, this facility complies with the IF separation requirements.

AMEND BPED-891128ME
HISPANIC BROADCAST SYSTEM, INC.
NEW NONCOMMERCIAL FM STATION
CH 206A - 89.1 MHZ - 1.1 KW
KISSIMMEE, FLORIDA
November 1992

EXHIBIT #9

Channel 6 Television Interference Analysis

The proposed new non-commercial FM station is located within the Grade A contour of WCPX, Channel 6, Orlando, Florida. WCPX operates with an effective radiated power of 100 kilowatts with a height above average terrain of 445 meters, utilizing a directional television antenna (horizontally polarized). The WCPX site is located at North Latitude 28° 36' 08" and West Longitude 81° 05' 37". The distance between the WCPX site and the proposed new FM site is 50.85 kilometers. Therefore, Channel 206A potentially impacts WCPX according to §73.525(a)(1) of the Commission's rules.

The proposed Kissimmee facility will operate with a vertically polarized antenna to minimize its impact to WCPX. Pursuant to §73.525(e)(4)(i) of the Commission's rules, Hispanic Broadcast System, Inc., ("HBSI"), calculates its potential interference contour based on an effective radiated power of 27.5 watts. The level of power is based on dividing 1100 watts (1.1 kilowatts) by a factor of 40, since the