

GULF STATES UTILITIES COMPANY
RIVER BEND STATION

EVACUATION TIME ESTIMATES
FOR
10 MILE EPZ

EAST FELICIANA PARISH
WEST FELICIANA PARISH
POINTE COUPEE PARISH
EAST BATON ROUGE PARISH
WEST BATON ROUGE PARISH

8009090537

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TABLE OF CONTENTS

	<u>PAGE</u>
I. ASSUMPTIONS	1
II. EVACUATION ROUTES	4
III. SPECIAL EVACUATION AREAS	13
MAPS	17-26
TABLES	27-32
IV. CONFIRMATION TIME	33
V. SUMMARY	33

EVACUATION TIME ESTIMATES
FOR
RIVER BEND STATION
EMERGENCY PLANNING ZONES

I ASSUMPTIONS

The following assumptions are the basis of this estimate:

1. Evacuation takes place during the daytime, on a weekday, when the population is dispersed, e.g.: at work, school in progress.
2. The time required to evacuate is considered to be the time elapsed between warning and the time the last person has been evacuated from an area. Supervisory personnel directing the evacuation may remain to secure the area and have not been counted for this purpose.
3. Evacuation of each of the ten zones will be considered complete after the vehicles are outside the ten (10) mile perimeter. The areas are shown on the attached map.
4. No one will refuse to follow an evacuation order, and that each household identified by survey will be occupied; to include camps in recreational areas.
5. The households having more than one vehicle will use their "best car", accounting for that household.

6. It will be 10 - 30 minutes after warning before movement takes place and that there will be constant "beginning movement" from 10 minutes to completed "beginning movement" at 30 minutes.
7. The normal lane use of Parish Highways will remain the same. Access to the Parish will be limited to outside the 10 mile EPZ.
8. The capacity of 2-lane Parish Highways will be considered as 850 vehicles outbound per lane per hour. Also, that the vehicles will move at a average speed of 40 miles per hour.
9. Adverse weather will be severe thundershowers, and that it will inhibit evacuation time by 25%.
10. Estimates from local officials having intimate knowledge of local conditions and actual experience, are a solid basis to weigh theoretical estimates against.
11. Upon evacuation of the outer zone (10 mile zone), this will include the inner zones as well.
12. Only one major road for exiting each zone is used. All minor roads are used to gain access to the major roads.
13. All travel originates from the innermost part of a zone e.g. 0-10 mile zone the travel distance is ten miles to outer part of the EPZ.

The delay time for persons starting to leave until the last person has begun to leave for each zone is thirty minutes. It was

assumed that some people start leaving within ten minutes and that all have begun movement within thirty minutes. Due to these assumptions the least amount of time for evacuating a zone where population would not exceed road capacity, would be the thirty minutes after movement has begun plus the travel time from the innermost zone to the outermost zone.

In the case of zone X, the travel time is added to the delay time e.g. ten miles at forty miles per hour equals fifteen minutes travel time plus the maximum delay time equals a total of forty-five minutes evacuation time. In the case of zone X2, where the capacity factor and the travel time do not exceed the thirty minute maximum delay time, the travel time and the thirty minute maximum delay time are added to give the total evacuation time e.g. capacity factor is 0.24 hour and the travel time is 0.20 hour. These do not exceed the 0.50 hour maximum delay time, therefore the travel time of twelve minutes plus the maximum delay of 30 minutes equals forty-two minutes which is the estimated evacuation time for that zone.

Where the capacity factor for the road and the travel times exceed the thirty minute maximum delay time, then the capacity factor plus the travel time, plus the ten minute minimum delay time equals the evacuation time. For example, in the case of zone X4 the capacity factor is 2.53 hours, the travel time is 0.25 hours, plus the 0.17 minimum delay time equals 2.95 hours or 2 hours 57 minutes for the evacuation time.

II EVACUATION ROUTES

A. Concept of Operations:

- 1) Evacuation of the River Bend Station Parishes will begin when the parish governments, upon recommendation of LNEED or Gulf States Utilities, orders relocation of residents in the affected area. Traffic control posts and/or road blocks will be set up to facilitate the evacuation of the affected area; and to control ingress to the area. The law enforcement service, Parish Sheriff, town police and State Police are responsible for the establishment of these control posts, and for the necessary coordination to control the evacuation routes to the Shelter Areas. Traffic control points are indicated on the evacuation route maps for each parish.

Evacuation routes for each parish are as follows:

WEST FELICIANA PARISH (See Map 1)

a) Traffic Control Points at intersections of:

- (i) Hwy. 10 and Hwy. 61 at St. Francisville
- (ii) Hwy. 66 and Hwy 61 at Bains
- (iii) Hwy. 66 at Pickneyville Cut Off
- (iv) Hwy. 421 at Hwy. 61
- (v) Hwy. 421 at Hwy. 10
- (vi) Hwy. 965 at Hwy 61
- (vii) Hwy. 964 at Hwy. 61

NOTE: (vi) and (vii) are of short duration, as they are within 2 miles of the plant.

b) Evacuation Routes:

- (i) The Primary Evacuation Route for St. Francisville will be Hwy. 10 east to Hwy. 19, then south to Baton Rouge.
- (ii) The Primary Evacuation Routes for the area north of Bains:

Residents on Hwy. 66 will proceed north to Pickneyville Cut Off. Then proceed toward Woodville, Mississippi.

Residents along Hwy. 61, above intersection of Hwy. 61 and Hwy. 66, will proceed north to Woodville, Mississippi.

Residents of Hwy. 421 south of Spillman, and the Village of Spillman will proceed south on Hwy. 421 to Hwy. 61, then north toward Woodville, Mississippi.

- (iii) The residents along Hwy. 61 south of St. Francisville and above the intersection of Hwy. 61 and Hwy. 965, will proceed north on Hwy. 61 to St. Francisville, then east on Hwy. 10 to Hwy. 19, south to Baton Rouge.
- (iv) The residents along Hwy. 965 will proceed east to Hwy. 10, then east to Hwy. 19, and south to Baton Rouge.
- (v) Those residents along Hwy. 61, south of Hwy. 965 intersection, will proceed south on Hwy. 61 to Baton Rouge.

POINTE COUPEE PARISH (See Map 2)

a) Traffic Control Points at intersections of:

- (i) On the River Road south route at Hwy.'s 413, 414 and 416
- (ii) Hwy. 1 at Hwy. 10
- (iii) Hwy. 3131 at Hwy. 1
- (iv) Hwy. 1 at Hwy. 416
- (v) Hwy. 81 at Hwy. 190
- (vi) Hwy. 77 at Hwy. 190
- (vii) Hwy. 98 at the Cajun Power Plant
- (viii) And passive traffic control points (directional arrows) on Hwy. 190 at 978, and at Hwy. 1

b) Evacuation Routes:

The Primary Evacuation Routes for Pointe Coupee will be Hwys. 10 and 190. The reception and shelter area for Pointe Coupee evacuees will be located in Opelousas, Louisiana.

- (i) For the area north of Hwy. 10, and residents on Hwy. 10 north of the City of New Roads, proceed west on Hwy. 10 to Morganza, turning south toward Hwy. 78 to Hwy. 190. Proceed west on Hwy. 190 to Opelousas.
- (ii) For the area south of Hwy. 10, town of New Roads, and areas east on Hwy. 413 to the River road (Hwy. 981), the evacuation route will be south on Hwy. 1, then south on Hwy. 77, 978 or Hwy. 1 to Hwy. 190. Proceed west on Hwy. 190 to Opelousas.
- (iii) For the area south of False River on Hwy. 413 and 414 to the River, the evacuation route will be west on Hwy. 414 to Hwy. 415 west to Hwy. 413 south to Hwy. 190. Proceed west on Hwy. 190 to Opelousas.
- (iv) For the plant workers at the Cajun Power Plant, and residents of the River Road, the evacuation route will be the River Road south (Hwys. 981, 414, 415 identified as the River Road) to Hwy. 190 to Opelousas.
- (v) For the residents of Hwy. 414, 416 and Hwy. 1 in the Lakeland area, the evacuation routes will be south on Hwy. 414 and Hwy. 416 to Hwy. 190. Then proceed west on Hwy. 190 to Opelousas.

EAST FELICIANA PARISH (See Map 3)

- a) Traffic Control Points at intersection of:
 - (i) Hwy. 10 and Hwy. 68 at Jackson
 - (ii) Hwy. 61 and Hwy. 964
 - (iii) Hwy. 10 and Hwy. 19
 - (iv) Hwy. 10 and Hwy. 67 at Clinton
 - (v) Hwy. 964 and Hwy. 68

- (vi) Hwy. 964 and Hwy. 955
- (vii) Hwy. 955 and Hwy. 19
- (viii) Hwy. 412 and Hwy. 19

b) East Feliciana Parish Evacuation Routes

NOTE: The major evacuation route for West Feliciana Parish residents, Highway 10, will traverse East Feliciana and turn south on Hwy. 19 at Jackson. The town of Jackson will also use this route. Special institutions i.e. East Louisiana State Hospital and Dixon Correctional Institute, will be assigned alternate routes, to avoid overdue congestion on Hwy. 19 south. West and East Feliciana law enforcement authorities will coordinate evacuation, and their communications center will be the Sheriff's Office in Clinton, Louisiana. The West Feliciana EOC Executive Group will operate from the East Baton Rouge EOC. There will be approximately 10,000 evacuees from East and West Feliciana Parishes.

- (i) The primary evacuation route for the town of Jackson will be Hwy. 10 east to Hwy. 19 south, proceeding to reception center in Baton Rouge.
- (ii) The primary evacuation route for East Louisiana State Hospital will be Hwy. 10 east to Clinton, then Hwy. 67 south to Baton Rouge.
- (iii) The primary route for Dixon Correctional Institute will be Hwy. 68 south, then south on Hwy. 964 to Baton Rouge. Residents of Hwy. 68 below Hwy. 10 will use same route.
- (iv) The primary route for residents of Hwy. 955 will be north on Hwy. 955 to Hwy. 19 south, to Baton Rouge.
- (v) The primary route for residents of Hwy. 412 west of Hwy. 19, will be east on Hwy. 412 then south on Hwy. 19, to Baton Rouge.

BATON ROUGE PARISH (See Map 4)

- a) Traffic Control Points at intersection of:

- (i) Hwy. 413 and Hwy. 190
- (ii) Hwy. 984 and Hwy. 190
- (iii) Hwy. 415 and Hwy. 190 at Hwy. 1
- (iv) Hwy. 76, Rosedale Road, at Hwy. 1

NOTE: (i) and (ii) will be in coordination with Pointe Coupee Parish Law Enforcement.

b) Evacuation Routes, Reception Area Map:

- (i) West Baton Rouge Parish will not be used as an out-of-parish hosting area. The Parish will host approximately 100 residents that are within the EPZ, at the Old Port Allen High School. West Baton Rouge will assist Pointe Coupee in law enforcement and will house the inmates of the Pointe Coupee jail.
- (ii) The primary evacuation route for the affected area in West Baton Rouge will be Hwy. 415 south to Hwy. 1, proceed south to Rosedale Road (Hwy. 76) then east to Old Port Allen High School.

EAST BATON ROUGE PARISH (See Maps 5, 5A)

East Baton Rouge Parish will be the major hosting area for 10,000 East and West Feliciana Parish evacuees. East Baton Rouge will also host 4,000 of its own residents that are within the Emergency Planning Zone (see Map 5A). Out of parish residents will register at the Centroplex, before being assigned shelter. East Baton Rouge Parish residents will register at the Municipal building located at 3325 Groom Road, Baker, Louisiana, before being assigned shelter.

a) Traffic Control Points (see Map 5) at intersection of:

- (i) Hwy. 68 and Hwy. 61
- (ii) Hwy. 61 and Hwy. 64
- (iii) Hwy. 61 at interstate I-10
- (iv) Hwy. 964 and Plains-Port Hudson Road (Hwy. 3004)

- (v) Hwy. 964 and Pride-Port Hudson Road
- (vi) Hwy. 964 and Zachary Road (Hwy. 64)
- (vii) Hwy. 964 and Hwy. 61
- (viii) Hwy. 19 and Zachary Road (Hwy. 64)
- (ix) Hwy. 19 and Groom Road
- (x) Hwy. 19 at Interstate I-10
- (xi) Hwy. 67 at Interstate I-10
- (xii) Interstate I-10 at Government Street Exit

b) Evacuation Routes (see Maps 5, 5A)

- (i) The primary evacuation routes into the parish for East and West Feliciana Parishes will be Highways 61, 984, 19, 68 and 67 south. This traffic will enter the I-10 east bound, exiting at Government Street, and be directed to the Centroplex for registration (see Map 5).
- (ii) The primary evacuation routes for the affected area in East Baton Rouge Parish, as shown on Map 5A, will be Highways 61 and 964 south to Hwy. 64 east, then south on Hwy. 19 to Baker. Traffic control points on Groom Road in Baker will direct evacuees to the registration center.

RIVER BEND PARISHES EMERGENCY PLANNING ZONE (Maps 6, 6A)

The major evacuation routes are indicated on the 10-mile EPZ on Map 6. The major shelter areas will be Opelousas and Baton Rouge; with in-parish sheltering for West Baton Rouge at Port Allen, Louisiana; and East Baton Rouge at Baker, Louisiana. Evacuation of specific areas will generally be done by parish, depending on the type of release and the wind direction. Specific Zone designations, as shown on Map 6A, are listed by parish alpha-numerically.

- 2) The total resident population within the Emergency Planning Zone is approximately 20,921. There is an increase in weekend recreational population during the spring and summer months, boosting the population by

approximately 3,400 people. Emergency Planning Zone approximate population by parish are as follows:

East and West Feliciana Parishes	- 10,000
East Baton Rouge Parish	- 4,000
West Baton Rouge Parish	- 100
Poince Coupee Parish	- 6,000

- 3) All persons living in an affected area should evacuate when ordered, to designated host areas. To avoid bottleneaking, traffic control will be used roughly in movement of vehicles. Evacuation will be by parish or multi-parish (see Maps 6, 6A) depending on wind direction and geography. The primary hosting area for approximately 6,000 Pointe Coupee residents will be St. Landry Parish, in Opelousas Red Cross Shelters. The primary hosting for West Baton Rouge will be in parish, at the Old Port Allen High School on Rosedale Road. The primary hosting area for East and West Feliciana Parishes will be East Baton Rouge Parish, in Baton Rouge. The primary hosting for East Baton Rouge Parish evacuees will be in parish at Baker.
- 4) Letters of Agreement have been formulated with neighboring parishes and between River Bend Parishes, for the transportation, sheltering and care of River Bend evacuees in an emergency. This will include transporting those households without transportation, hospital and nursing home patients, prisoners confined to parish courthouse jails, and other special consideration groups as follows:
 - a) Households without transportation: (Pick Up Point)

WEST FELICIANA PARISH

Intersection of Hwys, 66 and 61 at Bains

Parish Courthouse Square at St. Francisville

EAST FELICIANA PARISH (Pick Up Point)

Jackson High School, Jackson, Louisiana

Veterans Memorial Hospital, near intersection of Hwy. 10 and Hwy. 68, Jackson, Louisiana

POINTE COUPEE PARISH (Pick Up Point)

At the intersection of Hwy. 10 and Hwy. 1 in New Roads

At the intersection of Hwy. 1 and Hwy. 3131, at the shopping center, in New Roads.

WEST BATON ROUGE PARISH (Pick Up Point)

At Hwy. 415, River Road, south of Pointe Coupee Parish line, bus will pick residents up along three (3) mile section of the affected area.

EAST BATON ROUGE PARISH (Pick Up Point)

At the Port Hudson Elementary School

b) Medical Patients:

Parish medical patients will be transported to hospitals in designated hosting areas for that parish, with the exception of West Baton Rouge going to the Baton Rouge General Hospital in Baton Rouge.

East Louisiana State Hospital will evacuate in accordance with their plan, supported by the Office of Mental Health personnel and transportation agreement with East Baton Rouge Parish School Board.

Idlewild Nursing Home will evacuate as per their emergency plan, supported by transportation agreement with East Feliciana School Board.

Veterans Memorial Hospital will evacuate as per their plan, supported by transportation agreement with the East Baton Rouge Parish School Board.

c) Prisoners:

Three (3) of the River Bend Parishes' jails will not be affected, i.e. East and West Baton Rouge, and East Feliciana Parishes.

Pointe Coupee Parish prisoners will be transported and housed in West Baton Rouge Parish at Port Allen; as per agreement between those parish sheriff's offices.

West Feliciana Parish prisoners will be transported and housed in East Baton Rouge Prison, as per agreement between those parish sheriff's offices.

Dixon Correctional Institute will evacuate as per emergency plan, supported by the Department of Corrections, and the Louisiana Department of Public Safety.

III SPECIAL EVACUATION AREAS

TRANSPORTATION

In the event of a radiological emergency, the majority of the resident and transient population of the River Bend Parishes will evacuate by privately owned vehicles, using predesignated routes to registration centers. Physically handicapped residents and persons without transportation will be evacuated by pre-assigned special vehicles.

All schools will be evacuated according to their normal transportation (i.e. buses), to the designated reception center for that parish.

Patients in hospitals and residents of nursing homes will be provided transportation to pre-designated medical facilities or reception centers. Non-ambulatory patients will be moved via privately owned ambulances, while ambulatory patients will be transported by school buses.

Reception and Care:

- A. Evacuees will be processed through reception centers within their own parish or in neighboring parishes as shown on maps 1 thru 5A. Processing will include registration and assignment to predesignated shelters within each respective shelter area. Food and other life-support services will be provided to all evacuees.
- B. Monitoring and decontamination of evacuees will be accomplished at reception centers prior to registration. This will be performed by trained individuals in a specially designated areas at reception centers.

Special Evacuation Facilities

A. Schools

Those schools within the affected area will be notified by telephone or other means if the need to evacuate arises. Previous discussions with school officials indicate that the school children are trained for fire response and fire drills are conducted periodically. The time required to evacuate the schools is less than the time it takes for the buses to arrive to move the students to the appropriate shelters.

B. Medical Facilities

There are five hospitals and one nursing home located within the ten mile emergency planning zone. Patients in the hospitals and residents of the nursing home will be provided transportation to pre-designated medical facilities or reception centers. Non-ambulatory patients will be moved via privately owned ambulances, while ambulatory patients will be transported by school buses.

C. Correctional Institutions/Jails

There is one correctional institution located near Jackson, Louisiana (Dixon Correctional Institute) and two parish jails (Pointe Coupee Parish and West Feliciana Parish) located in the ten mile emergency planning zone.

Dixon Correctional Institute will evacuate as per emergency plan, supported by the Department of Corrections, and the Louisiana Department of Public Safety.

Pointe Coupee Parish prisoners will be transported and housed in West Baton Rouge Parish at Port Allen; as per agreement between those parish sheriff's offices.

West Feliciana Parish prisoners will be transported and housed in East Baton Rouge Prison, as per agreement between those parish sheriff's offices.

(1) Veterans Memorial Hospital (Jackson, La.)

Assumptions

- (a) It is assumed that an agreement with the East Baton Rouge Parish School Board will be reached such that they will supply sufficient number of buses for removing the patients. It is also assumed that a sufficient number of ambulances will be available to remove ambulatory patients.
- (b) It is assumed that after notification, all of the drivers have departed within 30 minutes for the hospital.
- (c) It is assumed that each driver has a distance of thirty miles to drive and averages 40 miles per hour (45 minutes travel time).
- (d) It is assumed that during this delay for travel, the patients were being gathered for transporting and the from start loading to completion is 1 hour and 30 minutes.
- (e) It is assumed that it will take 5 minutes to drive to the outer ten mile zone.

(2) East Louisiana State Hospital

- (a) Same as 1.a.
- (b) Same as 1.b.
- (c) Same as 1.c.
- (d) It is assumed that during the delay time for travel, the patients were being gathered for transporting and from the start of loading to completion is 2 hours and 30 minutes.
- (e) Same as 1.e.

(3) Jackson Special Hospital

- (a) It is assumed that it will take 20 minutes to get the bus.
- (b) It is assumed that it will take 30 minutes to load all of the patients.
- (c) Same as 1.e.

(4) Pointe Coupee Parish Hospital

- (a) Same as 1.a.
- (b) Same as 1.b.

- (c) Same as 1.c.
- (d) It is assumed that during this delay for travel, the patients were being gathered for transporting and from the start of loading to completion is 1 hour.
- (e) It is assumed that it will take 8 minutes to drive to ten mile zone.

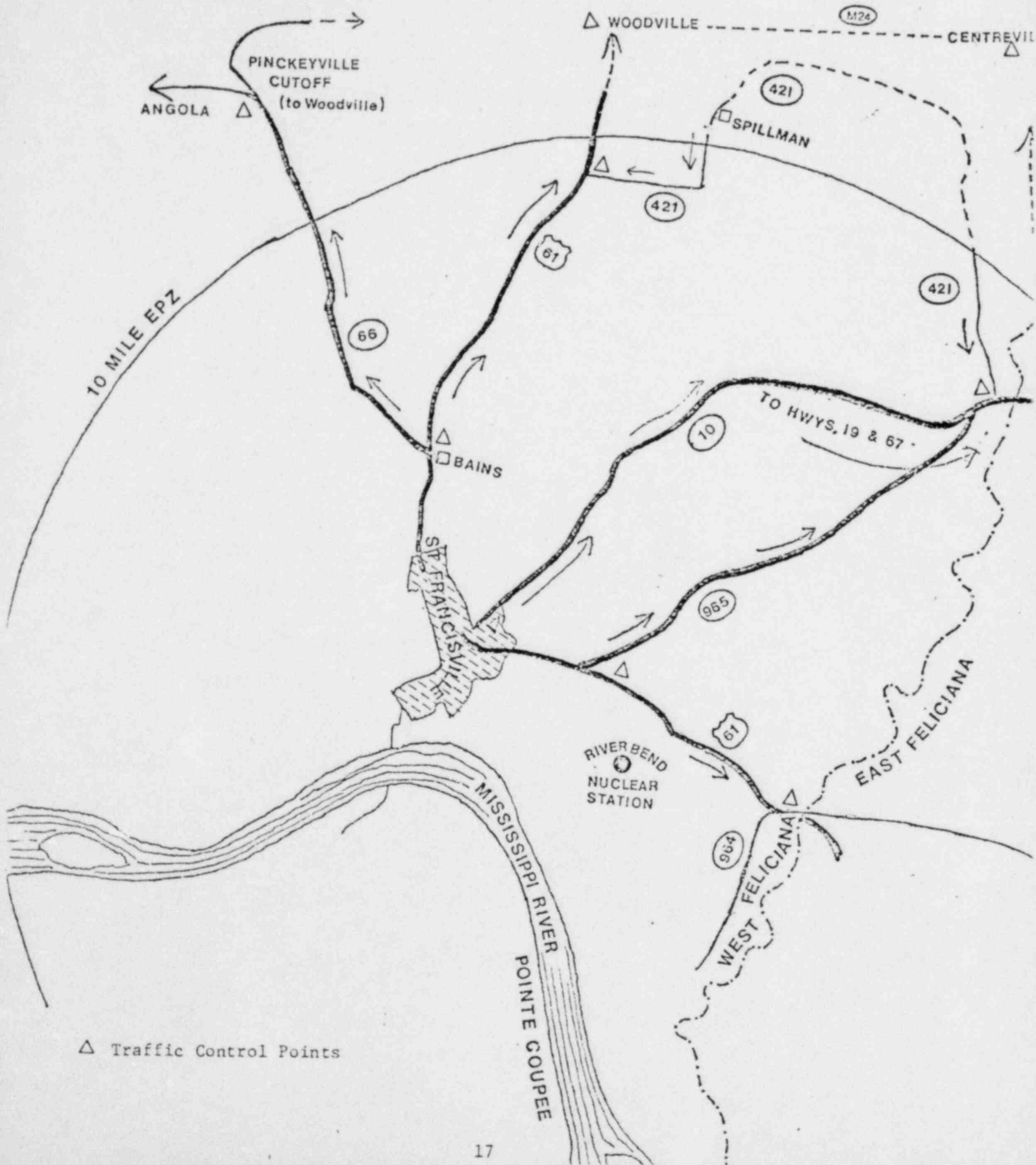
(5) West Feliciana Parish Hospital

- (a) Same as 1.a.
- (b) Same as 1.b.
- (c) Same as 1.c.
- (d) It is assumed that during this delay for travel, the patients were being gathered for transporting and from start of loading to completion is 1 hour.

(6) Idlewood Nursing Home (St. Francisville, La.)

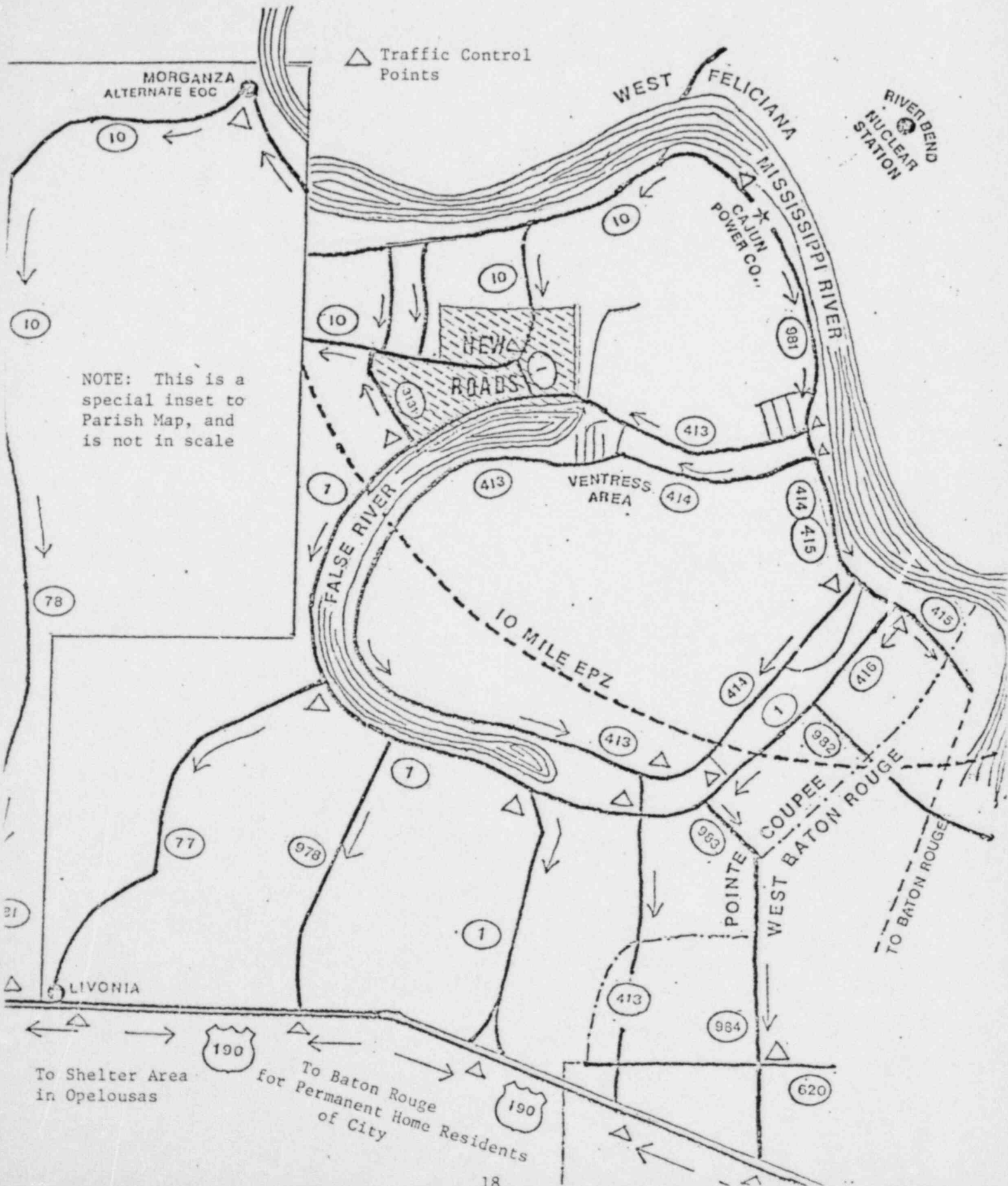
- (a) It is assumed that upon notification the evacuation is started immediately.
- (b) It is assumed that from start loading of residents until completion is 1 hour and 30 minutes.
- (c) It is assumed that the distance of travel is 10 miles and the average speed of 40 miles per hour. Therefore, it will take 15 minutes to drive to the outer ring of the 10 mile EPZ.

WEST FELICIANA PARISH EVACUATION ROUTES



Δ Traffic Control Points

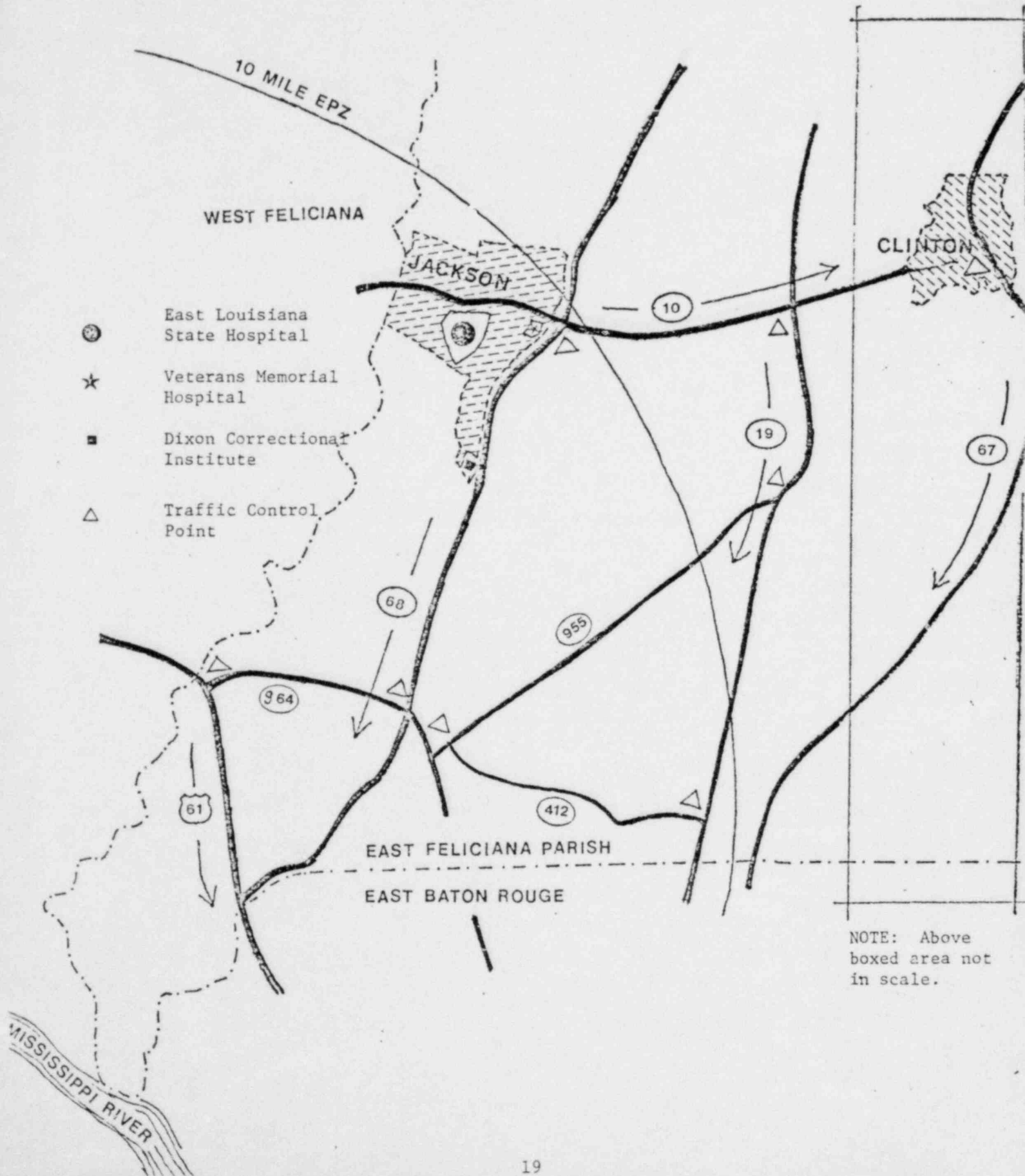
POINTE COUPEE PARISH EVACUATION ROUTES



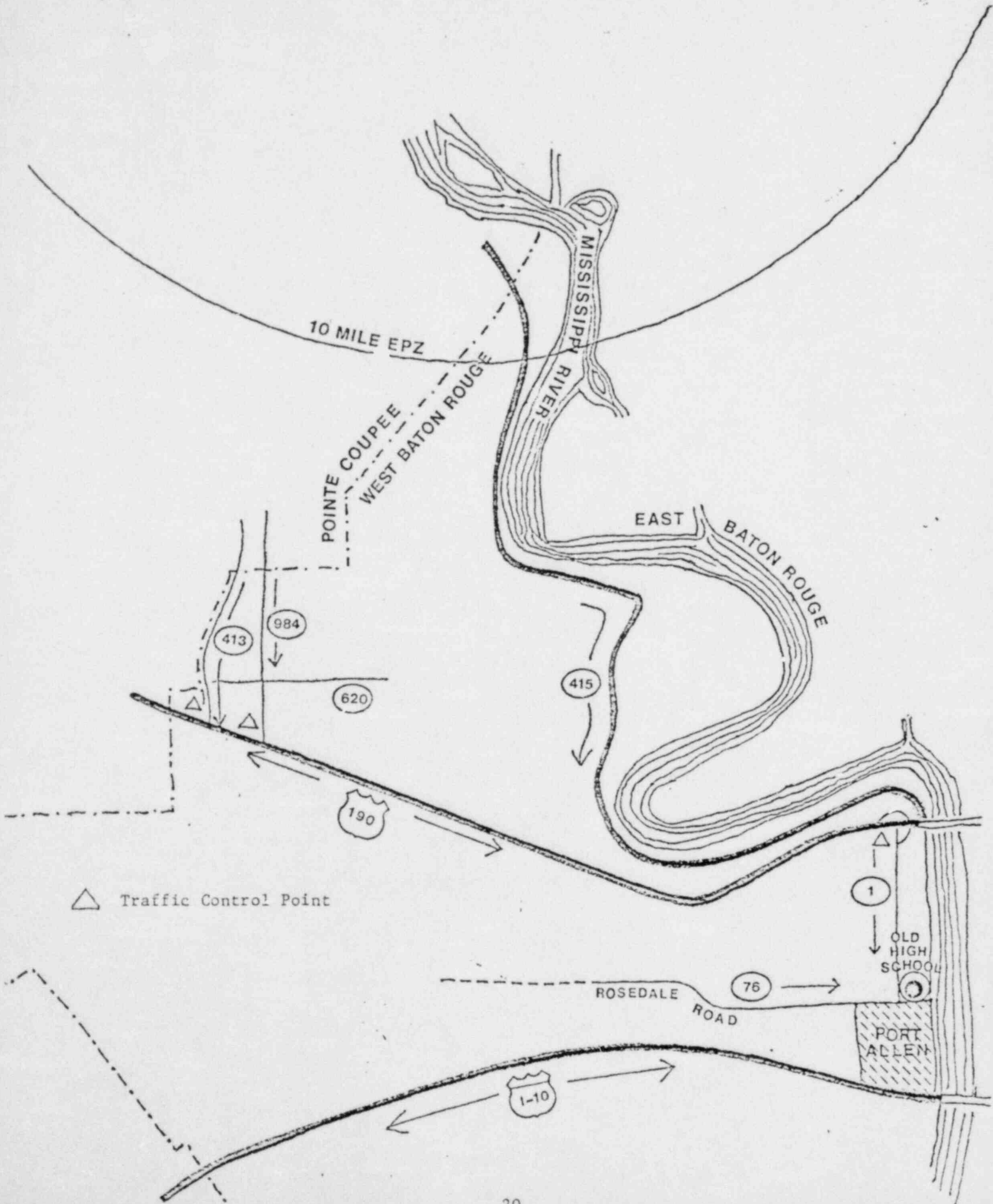
NOTE: This is a special inset to Parish Map, and is not in scale

To Shelter Area in Opelousas
To Baton Rouge for Permanent Home Residents of City

EVACUATION ROUTES FROM AFFECTED AREAS
OF EAST AND WEST FELICIANA PARISHES

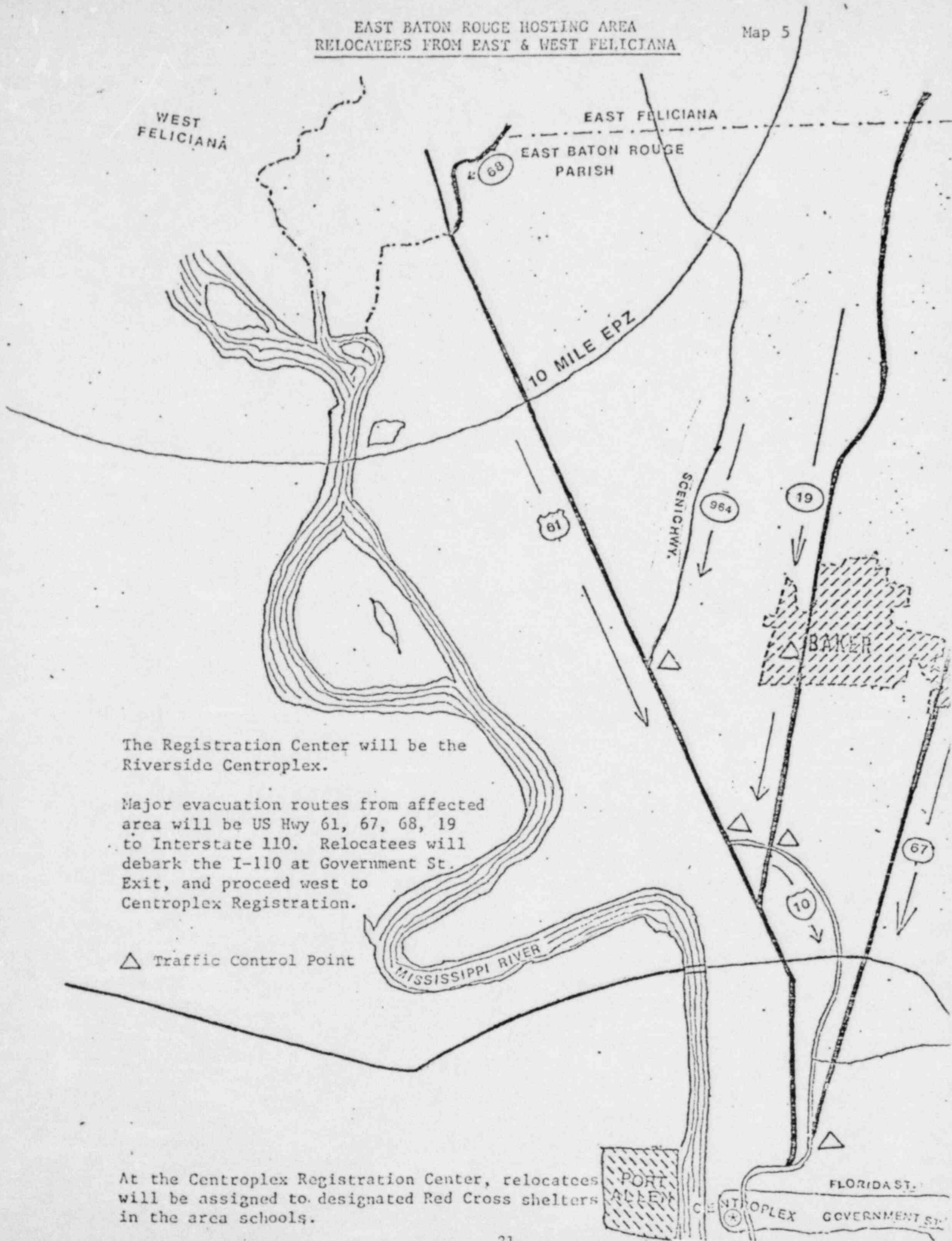


WEST BATON ROUGE PARISH EVACUATION ROUTES & SHELTER AREA



EAST BATON ROUGE HOSTING AREA
 RELOCATEES FROM EAST & WEST FELICIANA

Map 5



The Registration Center will be the Riverside Centroplex.

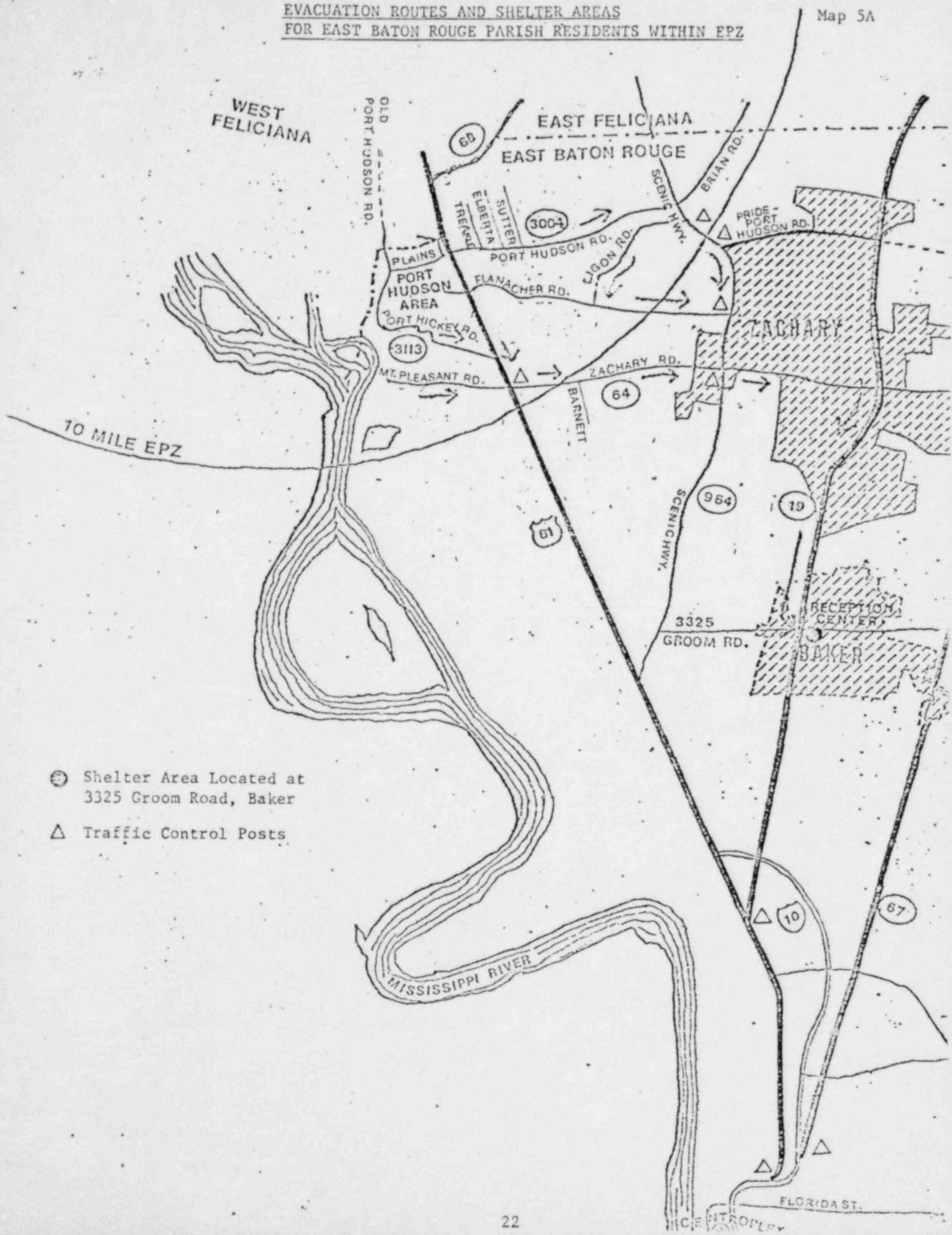
Major evacuation routes from affected area will be US Hwy 61, 67, 68, 19 to Interstate 110. Relocatees will debark the I-110 at Government St. Exit, and proceed west to Centroplex Registration.

△ Traffic Control Point

At the Centroplex Registration Center, relocatees will be assigned to designated Red Cross shelters in the area schools.

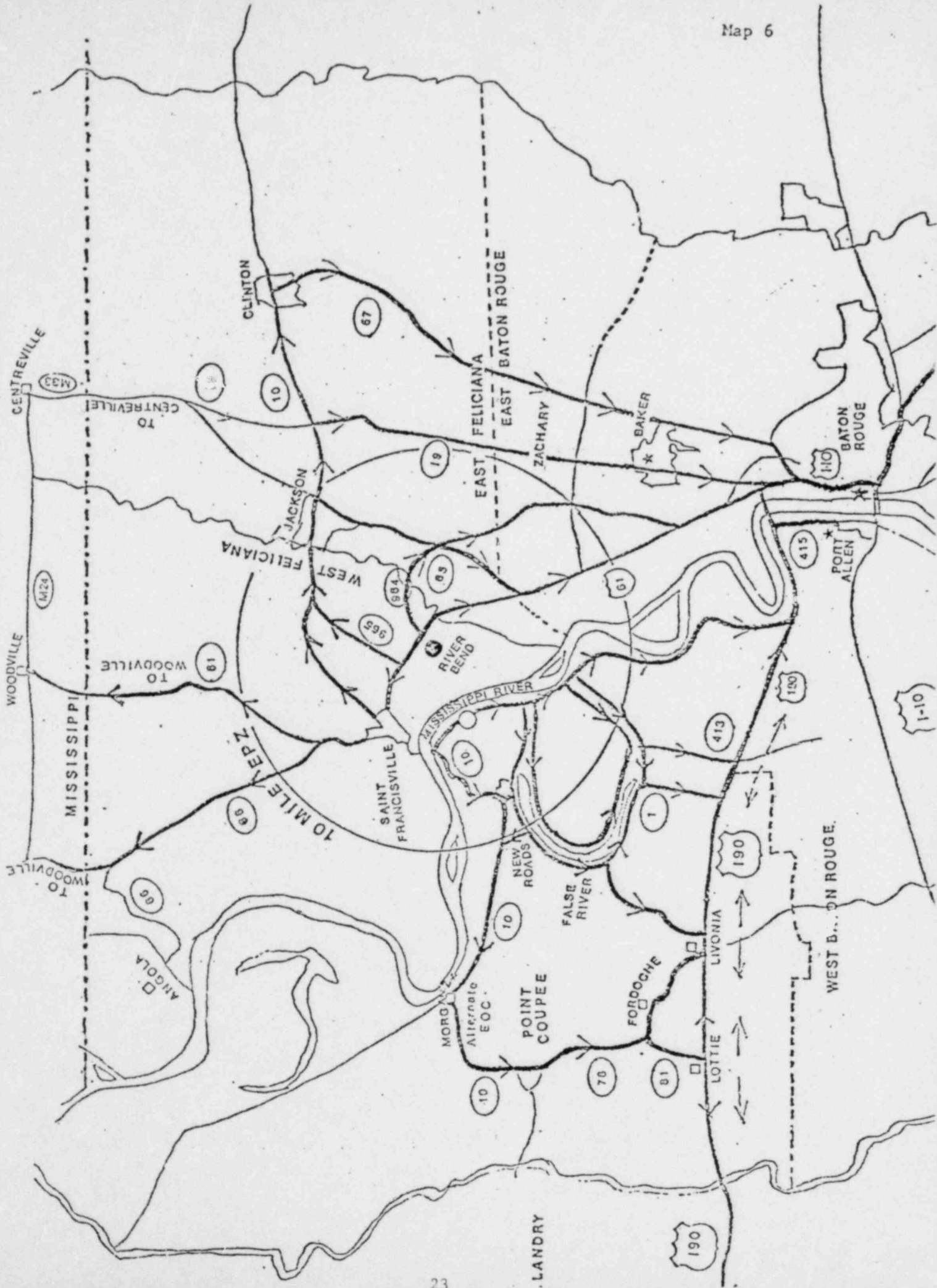
EVACUATION ROUTES AND SHELTER AREAS
FOR EAST BATON ROUGE PARISH RESIDENTS WITHIN EPZ

Map 5A

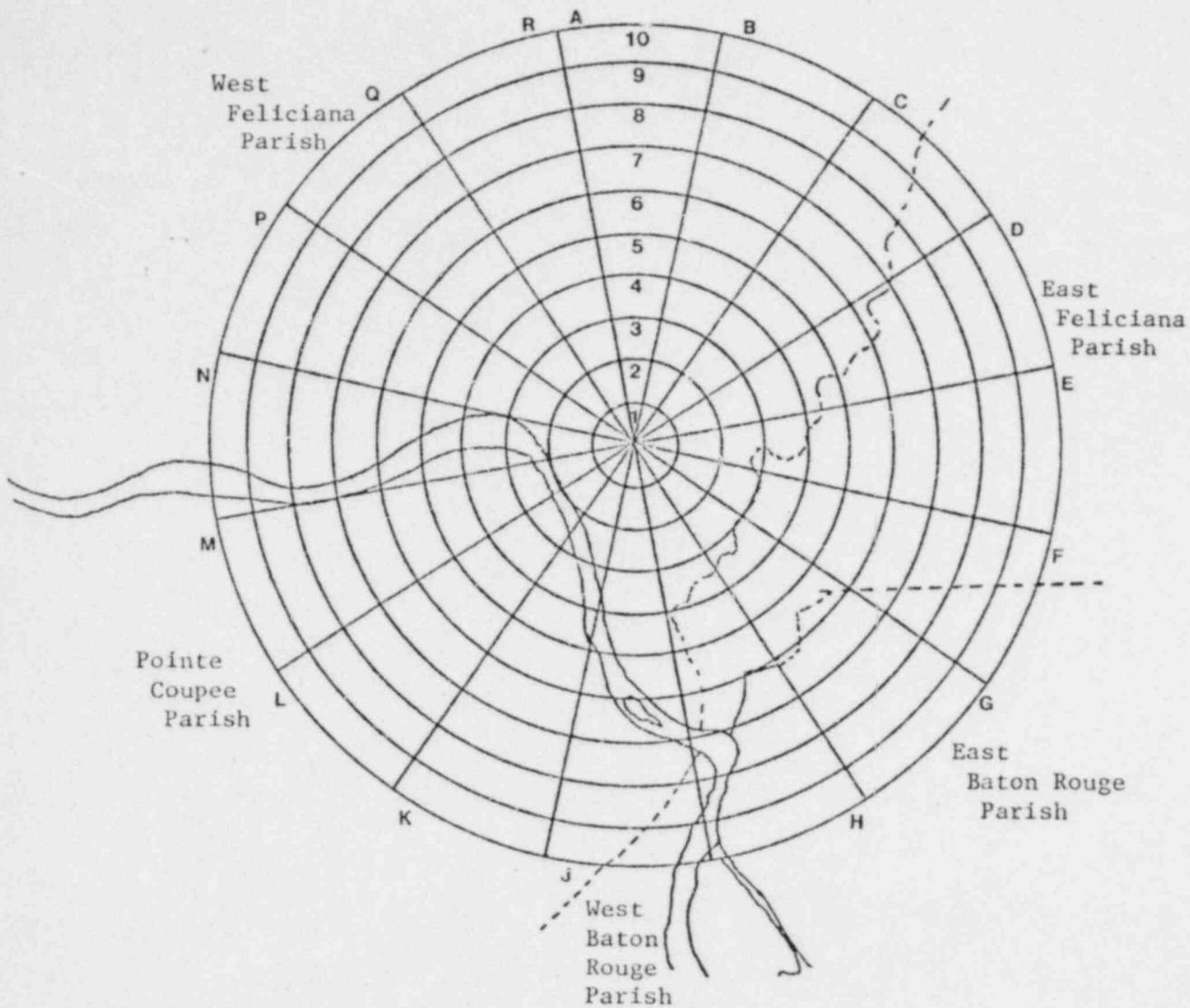


- Shelter Area Located at 3325 Groom Road, Baker
- △ Traffic Control Posts

RIVER BEND PARISHES EVACUATION MAP - 10 MILE EMERGENCY PLANNING ZONE



RIVER BEND PARISHES TEN MILE EMERGENCY PLANNING SECTOR
and Zone Designators (See Table 2) of Affected Parishes



WEST FELICIANA PARISH

A2 thru R2 (Inclusive)
 N, P, Q, R, A, B, C [1-10]

POINTE COUPEE PARISH

M, L, K, J [3-10]

EAST FELICIANA PARISH

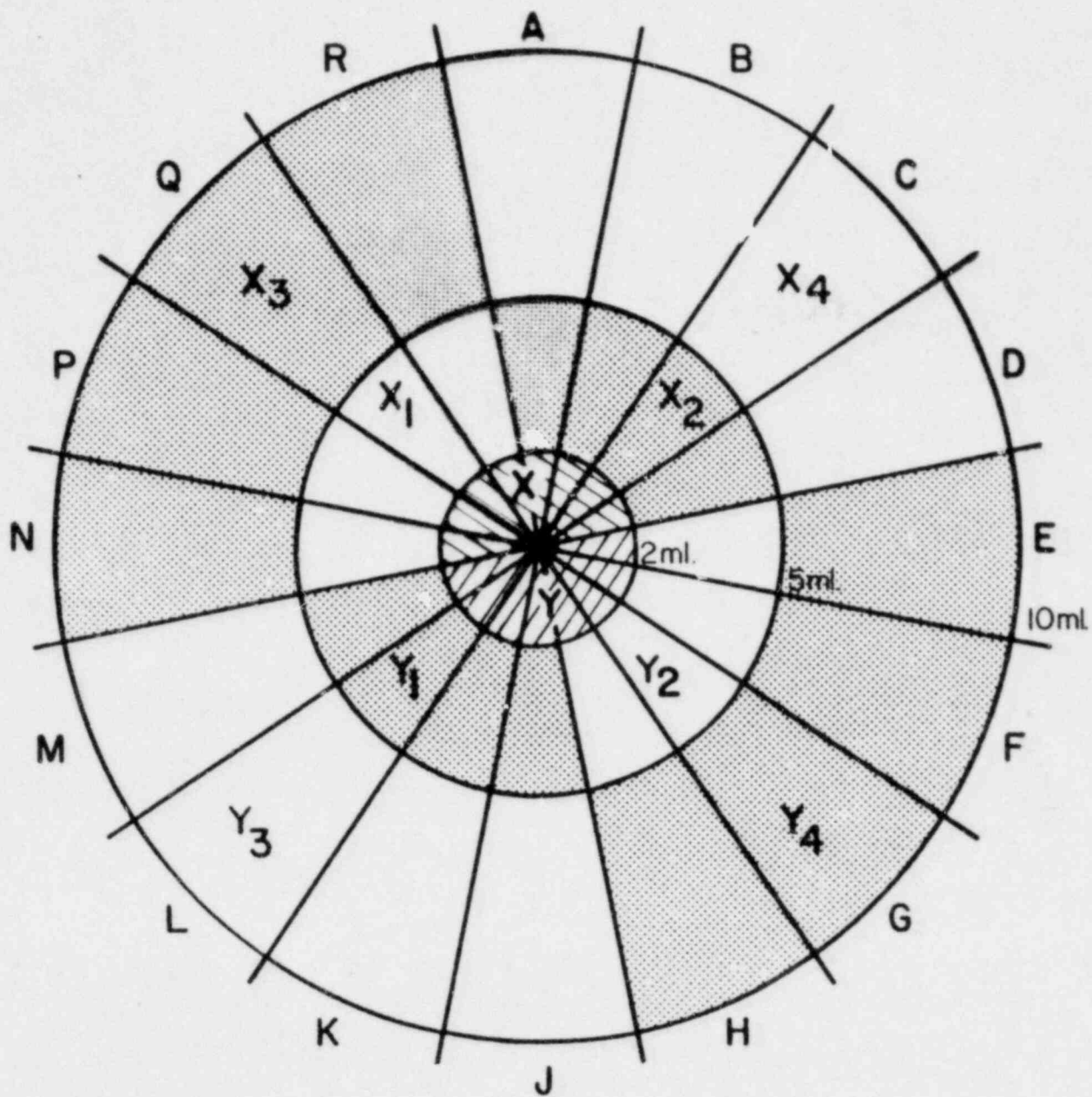
C [8-10]
 D [5-10]
 E [3-10]
 F [4-10]
 G [4-6]
 H [4-7]

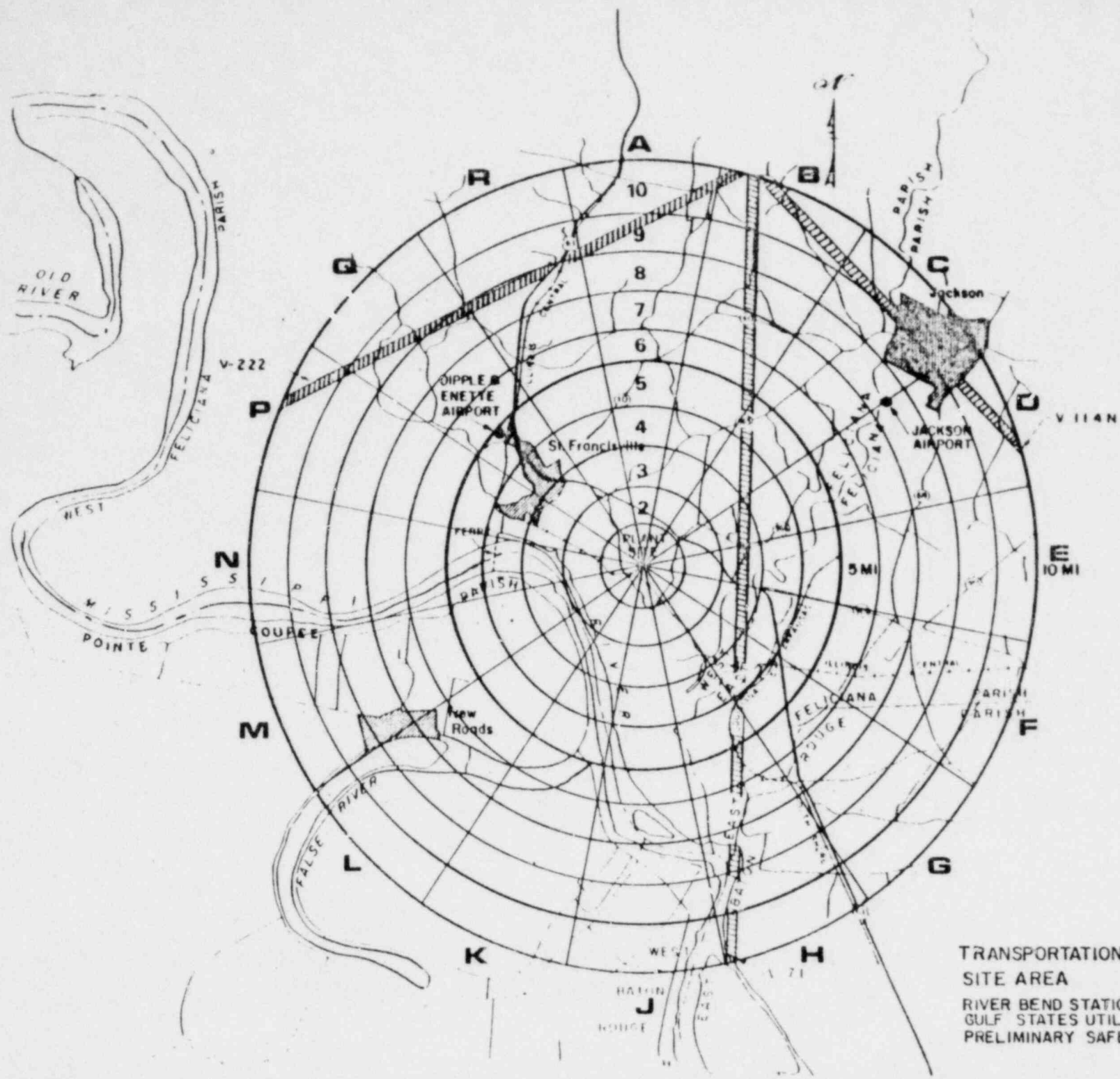
WEST BATON ROUGE PARISH

H [7-8]
 J [8-10]

EAST BATON ROUGE PARISH

H [7-10]
 G [6-10]
 F [7-10]





TRANSPORTATION MAP -
 SITE AREA
 RIVER BEND STATION - UNIT 1 & 2
 GULF STATES UTILITIES COMPANY
 PRELIMINARY SAFETY ANALYSIS REPORT

Table 1

RIVER BEND STATION
PARISH EVACUATION TIMES

Miles	Degree	Zone	1980 Projected Population	Three- Person/ Vehicle	(2)		Hours Calculated Time	(3)	(4)	Zone Evacuation Time			
					(1) Hours	Hours Travel Time				Normal Weather		Adverse Weather	
									Hrs.	Min.	Hrs.	Min.	
0-2	180°	X	403	134	0.16	0.25	0.41	(4)	0	45	0	56	
2-5	90°	X	1973	658	0.77	0.20	0.97	(3)	1	8	1	26	
2-5	90°	X	604	201	0.24	0.20	0.44	(4)	0	42	0	56	
0-10	90°	X	3421	1140	1.34	0.25	1.59	(3)	1	46	2	12	
0-10	90°	X	6457	2152	2.53	0.25	2.78	(3)	2	57	3	41	
0-2	180°	Y	26	9	0.01	0.25	0.26	(4)	0	45	0	56	
2-5	90°	Y	39	13	0.02	0.20	0.22	(4)	0	42	0	53	
2-5	90°	Y	143	48	0.06	0.20	0.26	(4)	0	42	0	53	
0-10	90°	Y	7438	2479	2.92	0.25	3.17	(3)	3	20	4	11	
0-10	90°	Y	3560	1187	1.40	0.25	1.65	(3)	1	49	2	17	

(1) Highway Capacity Factor 850 Vehicles/h (one vehicle every 4.2 seconds times number vehicles equals time consumed by exiting vehicles).

(2) Distance from inner most zone to exit at 10-mile EPZ (e.g. X zone is 10 miles) at travel speed of 40 M.P.H. Travel time is 0.25 hour.

(3) Assumed 10-minute delay after notification before people start leaving.

(4) Assumed 30-minute delay after notification until last person has begun movement.

Table 2

RESIDENT POPULATION DISTRIBUTION BY SECTOR AND RADIAL DISTANCE UP TO 50 MILES

RIVER BEND STATION - 1980 CENSUS (PROJECTED)

<u>Sector</u>		<u>0-1</u>	<u>1-2</u>	<u>2-3</u>	<u>3-4</u>	<u>4-5</u>	<u>5-10</u>	<u>Total</u> <u>10-Mile</u>
	A-R	53	376	601	1460	743	11,688	20,921
(N)	A	0	46	198	9	192	314	759
(NNE)	B	0	106	13	33	19	71	242
(NE)	C	9	44	19	0	33	2,918	3,023
(ENE)	D	0	48	15	15	58	2,297	2,433
(E)	E	0	13	6	19	5	92	135
(ESE)	F	0	4	13	10	30	914	971
(SE)	G	0	0	19	7	5	2,237	2,268
(SSE)	H	0	0	29	0	0	157	186
(S)	J	5	4	0	0	0	295	304
(SSW)	K	0	0	0	0	26	510	536
(SW)	L	0	0	0	0	0	4,468	4,468
(WSW)	M	0	0	13	0	0	2,117	2,130
(W)	N	0	0	0	0	14	17	31
(WNW)	P	15	6	16	582	237	53	954
(NW)	Q	19	81	39	733	105	719	1,696
(NNW)	R	5	24	176	52	19	509	785

Table 3

RIVER BEND STATION (RBS)
SCHOOL EVACUATION TIMES

Name	SCHOOLS						
	Miles From RBS	Direction From RBS	Grades Covered	Evacuation Time Normal Weather Hour Minutes		Evacuation Time Adverse Weather	
<u>West Feliciana Parish</u>							
<u>School District</u>							
Bains	6.5	NNW	1-6	1	45	2	11
St. Francisville High	6.5	NNW	7-12	1	45	2	11

Due to insufficient transportation, buses will be sent from East Feliciana Parish. It is assumed after notification the buses are needed, all drivers have left for West Feliciana Parish within 30 minutes. It is assumed that the average distance traveled will be thirty miles and with an average speed of forty miles per hour. This gives a travel time of forty-five minutes. Upon arrival of the buses, the students will be waiting and can get on the buses in fifteen minutes. The travel distance is assumed to be ten miles at forty miles per hour for a travel time of fifteen minutes.

East Feliciana Parish
School District

Jackson Elementary	9	NE	1-6	0	55	1	8
Jackson High	9	NE	7-12	0	55	1	8

It will take thirty minutes to get the buses to the school. It is assumed that the children will be waiting and can load the buses in fifteen minutes. It is assumed that it will take about ten minutes to travel the 1-2 miles to the outer ring of the ten mile emergency planning zone.

Table 3

RIVER BEND STATION (RBS)
SCHOOL EVACUATION TIMES

Name	Miles From RBS	Direction From RBS	SCHOOLS		Evacuation Time		Evacuation Time	
			Grades Covered	Normal Hour	Weather Minutes	Adverse Weather		
<u>East Baton Rouge Parish</u>								
<u>School District</u>								
Port Hudson	7.5	SE	K-6	1	0	1	15	
<u>Pointe Coupee Parish</u>								
<u>School District</u>								
Poydras High	7.5	WSW	K-12	0	53	1	6	
Rosenwald High	7.5	WSW	K-12	0	53	1	6	
Rougan High	9.8	S	K-12	0	53	1	6	
<u>Parochial School</u>								
Catholic High	7.5	WSW	K-12	0	53	1	6	
<u>Private School</u>								
False River Academy	8	WSW	1-12	0	53	1	6	
<u>Vocational School</u>								
Memorial Area Vocational School	7.5	WSW	-0-	0	38	0	48	

Table 4

RIVER BEND STATION (RBS)
HOSPITALS/NURSING HOMES
EVACUATION TIMES

Name	HOSPITALS/NURSING HOMES		Evacuation Time		Evacuation Time	
	From River Bend Station Distance Miles	Direction	Normal Hours	Weather Min	Adverse Hours	Weather Min
(1) Veterans Memorial Hospital (Jackson, La.)	10	NNE	2	50	3	32
(2) East Louisiana State Hospital (Jackson, La.)	10	NE	3	50	4	47
(3) Jackson Special Hospital (Jackson, La.)	10	NE	0	55	1	8
(4) Pointe Coupee Parish Hospital (New Roads, La.)	7	WSW	2	23	2	58
(5) West Feliciana Parish Hospital (St. Francisville, La.)	3.5	NNW	2	30	3	7
(6) Idlewood Nursing Home (St. Francisville, La.)	6	N	1	45	2	11

Table 5

RIVER BEND STATION (RBS)
CORRECTIONAL INSTITUTIONS/JAILS
EVACUATION TIMES

Name	From River Bend Station Distance Miles	Direction	Evacuation Time		Evacuation Time	
			Normal Hours	Weather Min	Adverse Hours	Weather Min
Dixon Correctional Institute (Jackson, La.)	7	NE	1	53	2	21
Pointe Coupee Parish (New Roads, La.)	8	WSW	1	40	2	9
West Feliciana Parish (St. Francisville, La.)	4	WNW	1	46	2	13

IV Confirmation Time

Confirmation will begin forty-five minutes after warning has been given. The Police and Sheriffs' units will patrol their zones and sectors to confirm that the persons who were supposed to evacuate have left and that certain areas which have to be maintained or protected are manned.

It is estimated that confirmation of evacuation can be accomplished in three hours.

V Summary

The minimum calculated evacuation time for the general public is from zones X-2, Y-1, and Y-2. The normal weather evacuation time is 42 minutes and the adverse weather time is 53 minutes. The maximum calculated evacuation time for the general public is from zone Y-3. It is calculated that it will take 3 hours 20 minutes to evacuate during normal evacuation and 4 hours 11 minutes during adverse weather.

The East Louisiana State Hospital is calculated to take the longest time to evacuate which during normal weather should be 3 hours 50 minutes and during adverse weather it should be 4 hours 57 minutes.

The zone will be considered evacuated when all persons are out of that zone eg. schools in Pointe Coupee Parish can evacuate the schools in 53 minutes, however, that zone is calculated to take 3 hours 20 minutes to evacuate during normal weather.

The evacuation of the 10 mile EPZ is considered complete when all persons have been evacuated, therefore, the minimum calculated evacuation time is 3 hours 50 minutes and the maximum time is 4 hours 57 minutes due to evacuating the East Louisiana State Hospital.