

Emergency Session Commissioners' Court

June 21, 2001 7:00 p.m.

District Courtroom

Members of the Court Present:

Jack Leath	County Judge
Keith Clark	Commissioner Pct. #1
Lynn Smith	Commissioner Pct. #2
Doyle Dickerson	Commissioner Pct. #3
Gene Nethery	Commissioner Pct. #4
Janice McDaniel	County Clerk

Judge Leath called the meeting to order at 7:00 p.m.

Agenda item #1-Discuss Regional Water & Wastewater Quarterly Progress
- District Courtroom

Judge Leath welcomed all the people for coming to the meeting. He said this is our second public meeting and we will have at least one more. He said we will have a time for questions and comments. At this time he turned the presentation over to Keith Kindle, project manager. Mr. Kindle is with Turner, Collie & Braden, the Engineering Firm for this project.

Mr. Kindle introduced his assistants, Mike Reddy, Jennifer Elms, Janie Acock, and Barbara Hatfield. He said we will have two more public meetings. He went over the background and reasons for this project. (See attached copies.) He said only four areas in the County qualified for EDAP. There were other areas that probably would have qualified, but we did not get enough of a response from the residents. We had to have a 30 percent response. Mr. Kindle then turned the presentation over to Mike Reddy.

Mike Reddy gave a presentation of the status of the facilities at the present and the projected status in 2050. He gave the steps that are planned for the projects completion. (See attached copies.)

Mr. Kindle gave an overview of how the water district will be created. (See attached copies.)

Some of the questions asked and the response given:

1. Can a person that owns property in the County but does not reside here permanently sign a petition for a water district?

Response- Mr. Kindle said he does not know the answer but he will find out and let the gentleman know.

2. Are we under EDAP?

Response- Mr. Kindle said only 4 areas qualified for EDAP. This was due partly because of the lack of response from the people. We had to have a 30 percent response to the survey. This is a loss to the County because of Grant money we could have gotten.

3. When the Water District is created, will all water supply corporations operate under the same rule?

Response- Mr. Kindle said if they join the water district, they will all operate under 1 rule. If they do not, they will continue as they have been.

4. Are all the water rates going to be the same in the County?

Response- Mr. Kindle said the rates would be the same for everyone. You could not make someone pay more for water than what someone else was paying.

5. Will All water plants stay where they are or will they be moved?

Response- Mr. Kindle said that if the existing plants have room to expand and it would be cheaper to utilize them, we will use them.

6. Are we talking about wells or about getting water out of the lake?

Response- Mr. Kindle said we are talking about getting water out of the lake. Ground water may be good now but we have to think of 50 years from now and securing that water supply.

7. Who is going to get the ball rolling? For example, the petition to present to the Commissioners' Court?

Response- Mr. Kindle said come August we are going to be looking at the petition to get it on the November ballot. First we are going to have to get a cost for this project.

8. Will areas that do not have a water supply be first and when do you anticipate this to happen?

Response- Mr. Kindle said we will be looking to add new customers. This will be the most cost-effective thing we can do to add new customers.

9. Will water and wastewater be together?

Response- Mr. Kindle said it would all be together and that is why we are not pressing wastewater. Our priority is water supply.

Mr. Kindle said their attorney will draw up the petition to give to the County. The County will then ask people if they want to sign it. Fifty signatures are required. After the required number of signatures, the Court will then have a hearing on the petition. If the Court grants the petition, then the County would have an election. We are trying for the November election.

Judge Leath told the people that the Court would not ask anyone to sign the petition before we can tell them pretty close what the cost will be for the project.

Commissioner Clark moved to adjourn. Commissioner Smith seconded. All voted for. Meeting adjourned.

Jack Rauh COUNTY JUDGE

Keith Clark COMMISSIONER PCT. #1

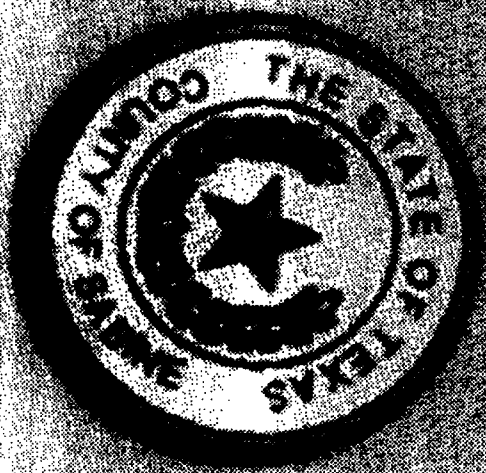
Lynn Smith COMMISSIONER PCT. #2

Doyle Dickerson COMMISSIONER PCT. #3

W. Grady COMMISSIONER PCT. #4

ATTEST:

Jenice McDaniel COUNTY CLERK



*Regional Water and Wastewater
Planning*

Project Status Meeting

June 21, 2001

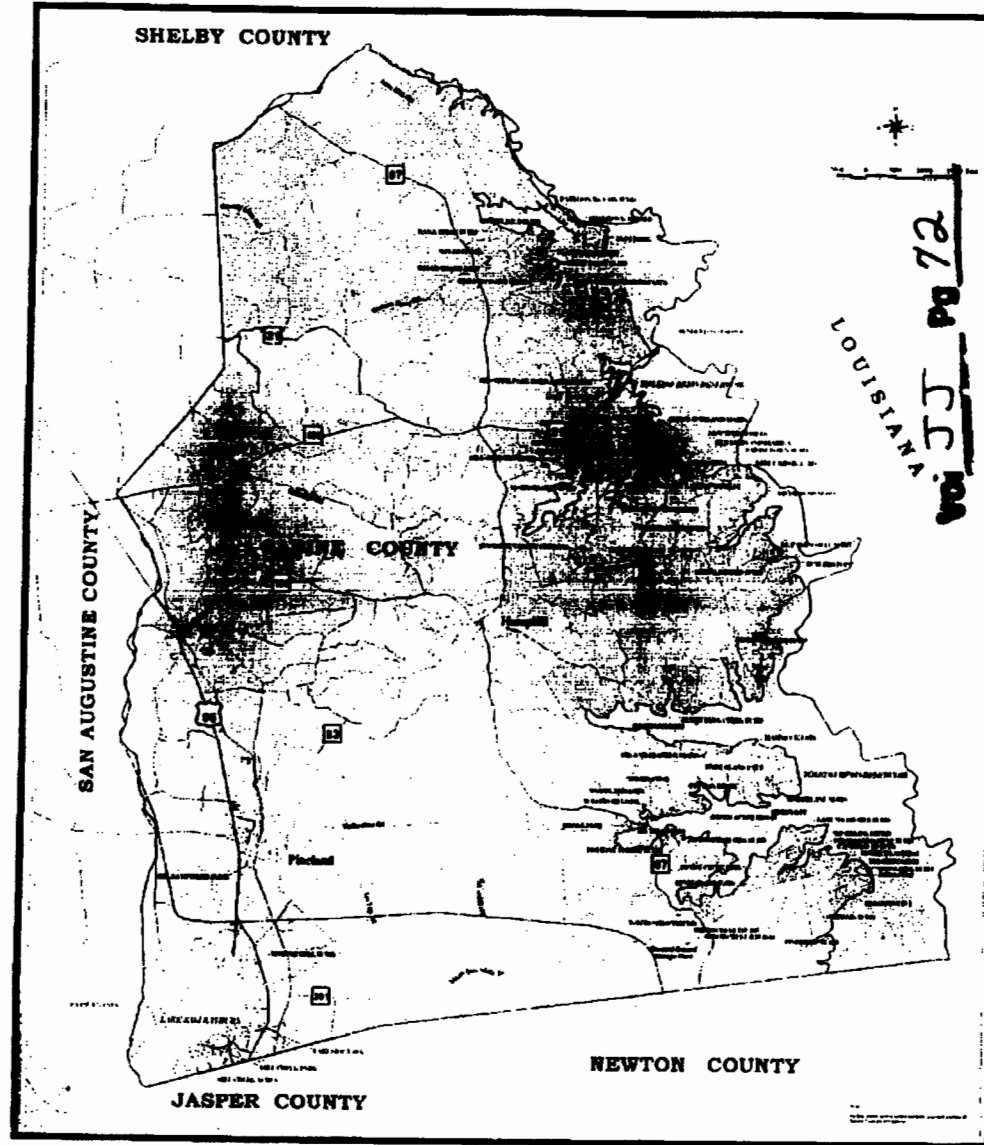
Meeting Agenda

- Introduction and Background
- Status of Regional Facilities Planning
- Status of Management Authority
- Project Schedule
- Questions and Answers

16 DA SC 71

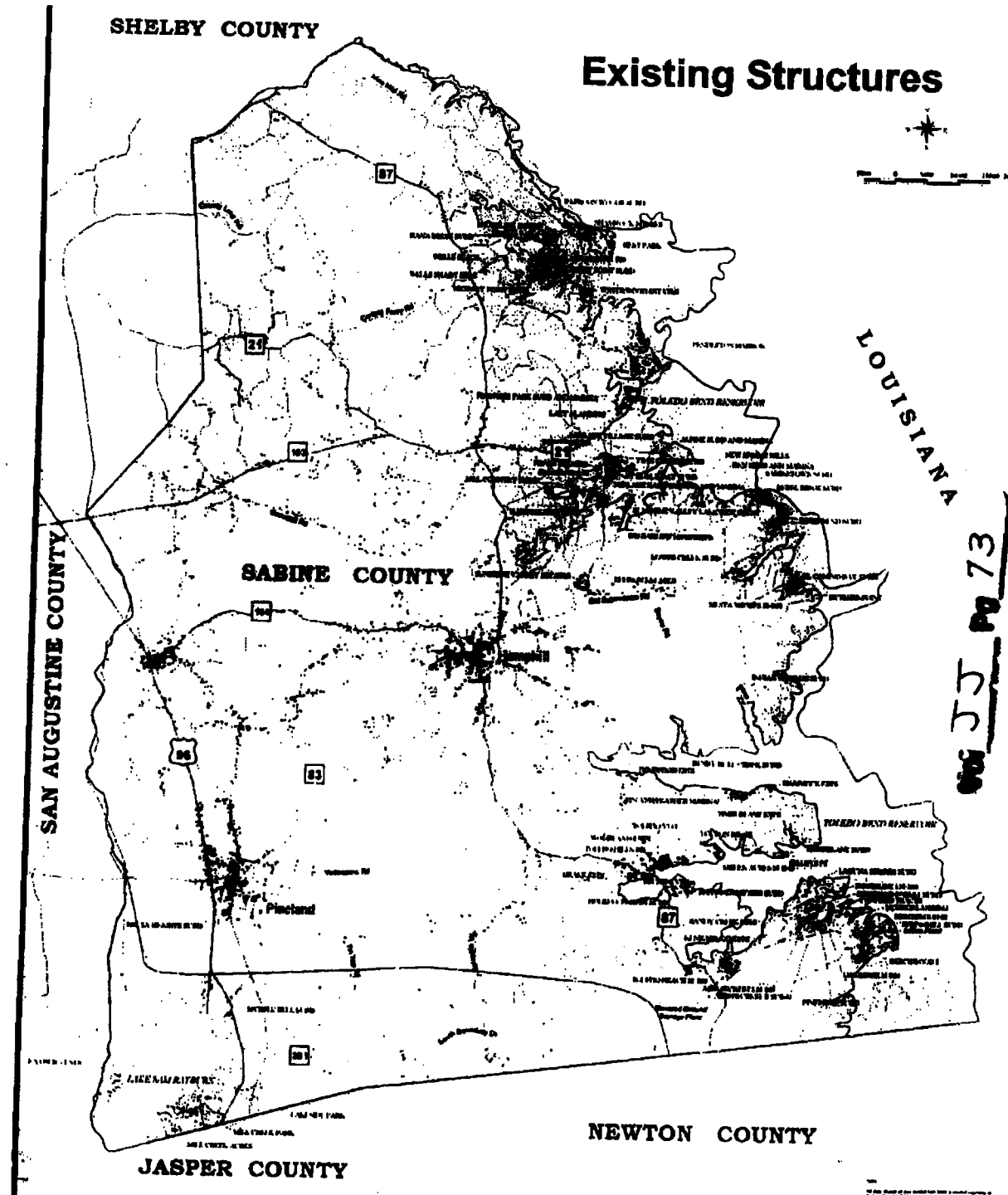
Background

- Senate Bill 1 Regional Planning
- Existing local infrastructure needs
- Local agenda for economic growth
- TNRCC enforcement actions in County
- Wastewater treatment needs
- Plan for bringing supply to the individual end users



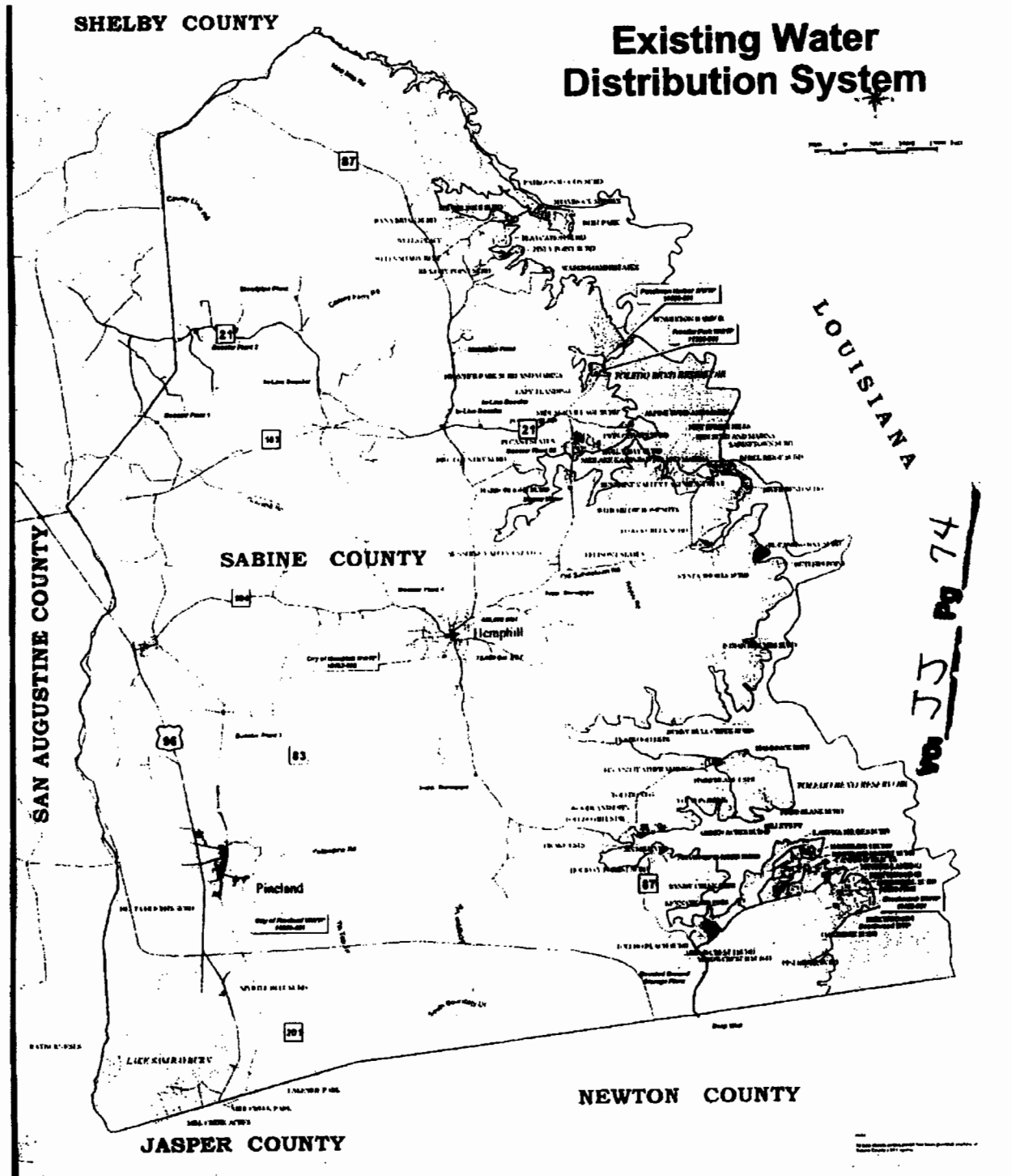
Sabine County Today

- 8 WSC's *Water supply corporations*
- 5 WWTP's *Wastewater plants*
- 2 Municipalities
- Private Well Owners
- Private Septic Tanks
- No Regionalization
- No Cost Sharing



Regional Planning Benefits

- Secure future surface water source
- Maximize existing water resources
- Provide long-term solutions
- Economic development for County
- Economies of scale



Tasks Completed

- Public Kick-off Meeting held 2/27/01
- Data and information collection
- Facilities Mapping
- Preliminary water improvements
- Preliminary wastewater improvements
- Draft EDAP Facilities Plan

von JJ PU 75

Water Demand

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	Total Connections 2001	Total Connections 2050	Average Water Demand		
			2001 (GPM)	2030 (GPM)	2050 (GPM)
G-M WSC	2,744	3,707	533	638	720
City of Hemphill	659	903	317	383	433
City of Pineland	377	521	176	214	244
South Sabine WSC	770	1040	89	107	120
Beechwood WSC	470	634	54	65	73
El Camino	112	151	18	22	25

TNRCC Requirements

(per water connection)

- Plant Capacity = 0.6 gpm
- Service Pumps = 2 gpm
- Total Storage = 200 gallons
- Elevated Storage = 100 gallons
- Pressure Tank = 20 gallons

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TNRCC Requirements (2001)

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	Plant (GPM)		Service Pumps (GPM)		Total Storage (Gallons)		Elevated (Gallons)		Pressure Tank (Gallons)	
	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC
G-M WSC ⁽¹⁾	586	1,646	5,080	5,488	484,000	548,800	30,000	274,400	24,500	54,880
Hemphill	1,011	395	2,000	1,318	429,000	131,800	100,000	NA	NA	13,180
Pineland ⁽²⁾	325	226	770	754	200,000	75,400	200,000	NA	NA	7,540
South Sabine ⁽²⁾	480	462	NA	1540	210,000	154,000	0	NA	0	15,400
Beechwood	150	282	1,000	940	296,000	94,000	0	NA	10,000	9,400
El Camino	70	67	200	224	24,000	22,400	0	NA	2,625	2,240

(1) G-M WSC purchases all water from City of Hemphill WTP

(2) Pineland and South Sabine are groundwater systems

TNRCC Requirements (2050)

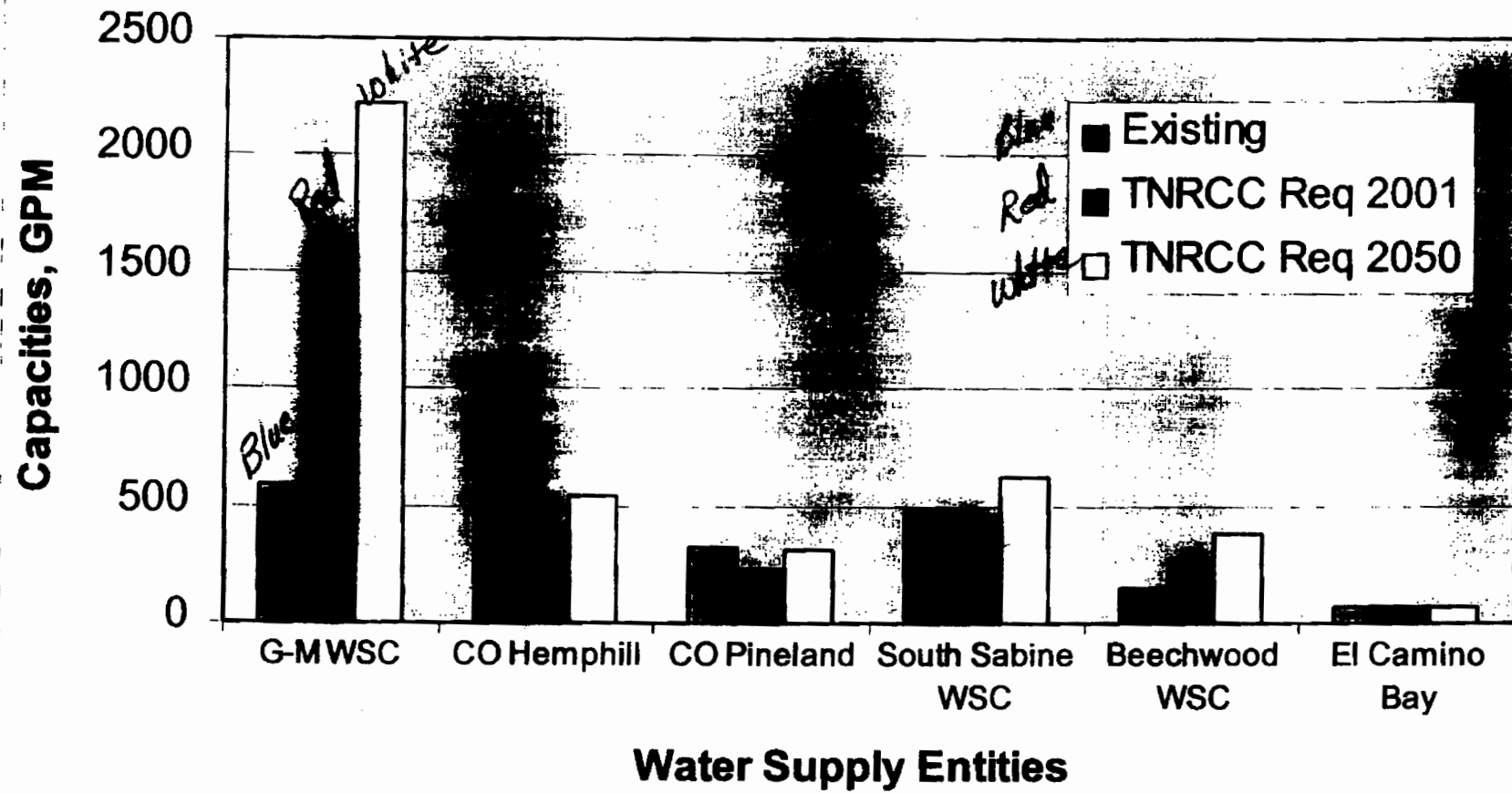
	Plant (GPM)		Service Pumps (GPM)		Total Storage (Gallons)		Elevated (Gallons)		Pressure Tank (Gallons)	
	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC
G-M WSC ⁽¹⁾	586	2,224	5,080	7,414	484,000	741,400	30,000	370,700	24,500	74,140
Hemphill	1,011	542	2,250	1,806	429,000	180,600	100,000	NA	NA	18,060
Pineland ⁽²⁾	325	313	770	1,042	200,000	104,200	200,000	NA	NA	10,420
South Sabine ⁽²⁾	480	624	NA	2,080	210,000	208,000	0	NA	0	20,800
Beechwood	150	380	1,000	1,268	296,000	126,800	0	NA	10,000	12,680
El Camino ⁽³⁾	70	67	200	224	24,000	24,000	0	NA	2,625	2,240

- (1) G-M WSC purchases all water from City of Hemphill WTP
- (2) Pineland and South Sabine are groundwater systems
- (3) El Camino has projected no growth through 2050

55-PA-79

Water Treatment Needs

Plant Capacities, GPM



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Water Planning Basis

- Expansion and improvement of GM distribution system
- City of Hemphill / SRA regional water treatment plant
- Beechwood / South Sabine regional water treatment plant
- City of Pineland interconnect to GM

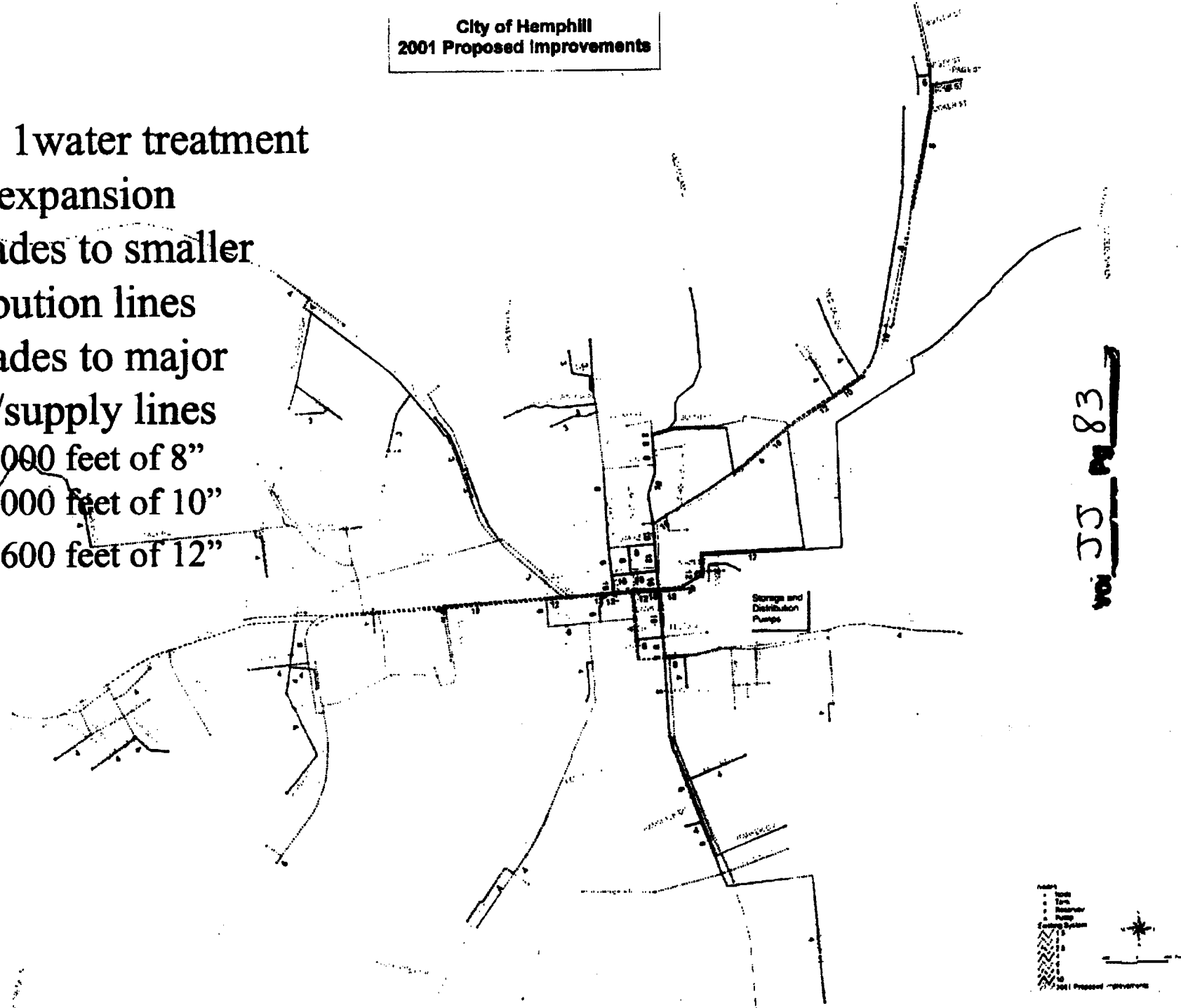
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Water Model Criteria

- Pipe2000 water model
- Distribution system sized for peak hour demand
- Peak hour demand based on actual water usage and TNRCC standards
- Improvements for 2001 and 2050
- Headloss less than 5 feet per 1,000 feet
- Velocity less than 5 feet per second
- Pressures above 35 psi (per TNRCC)

City of Hemphill
2001 Proposed Improvements

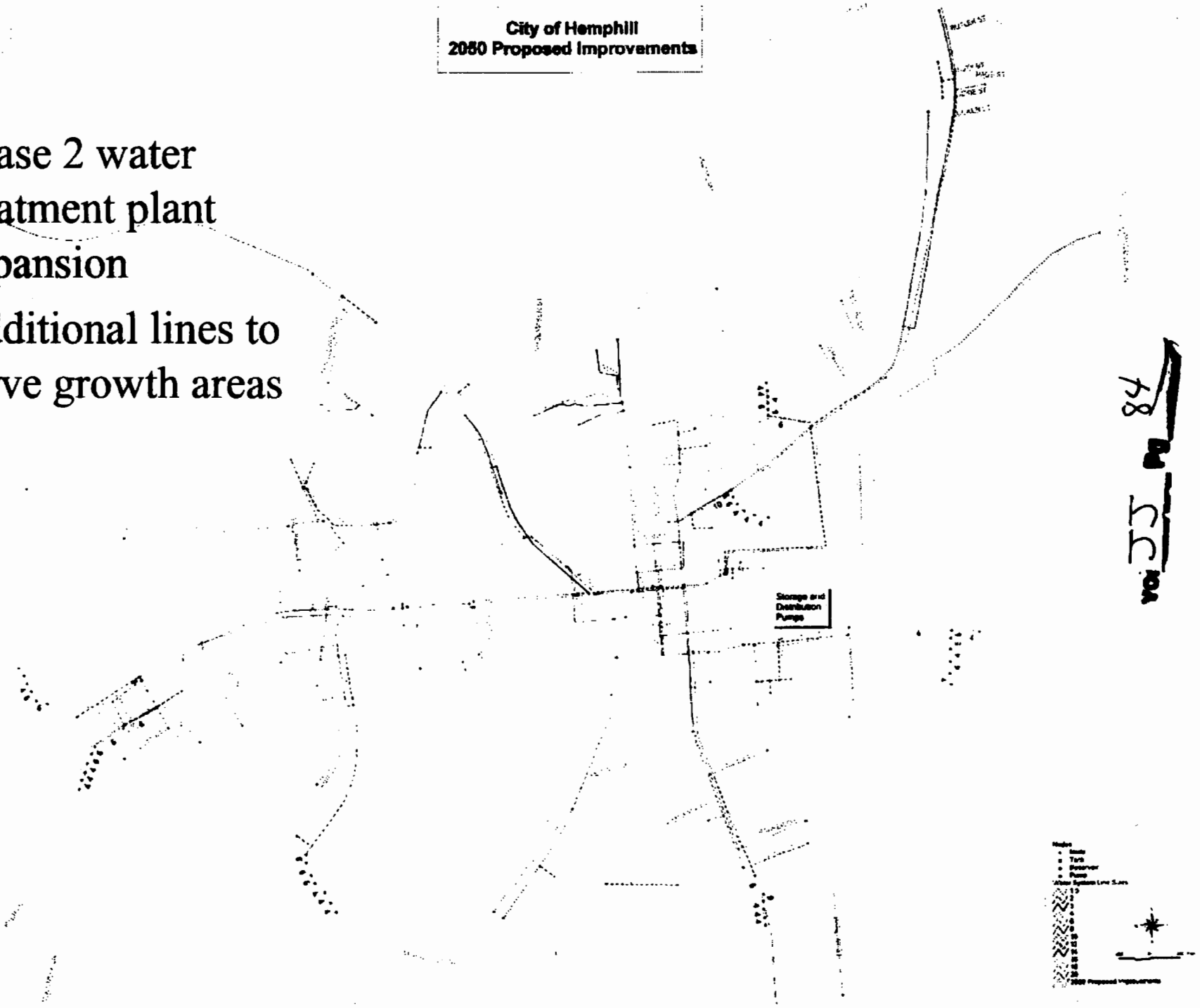
- Phase 1 water treatment plant expansion
- Upgrades to smaller distribution lines
- Upgrades to major trunk/supply lines
 - 4,000 feet of 8"
 - 6,000 feet of 10"
 - 1,600 feet of 12"



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**City of Hemphill
2050 Proposed Improvements**

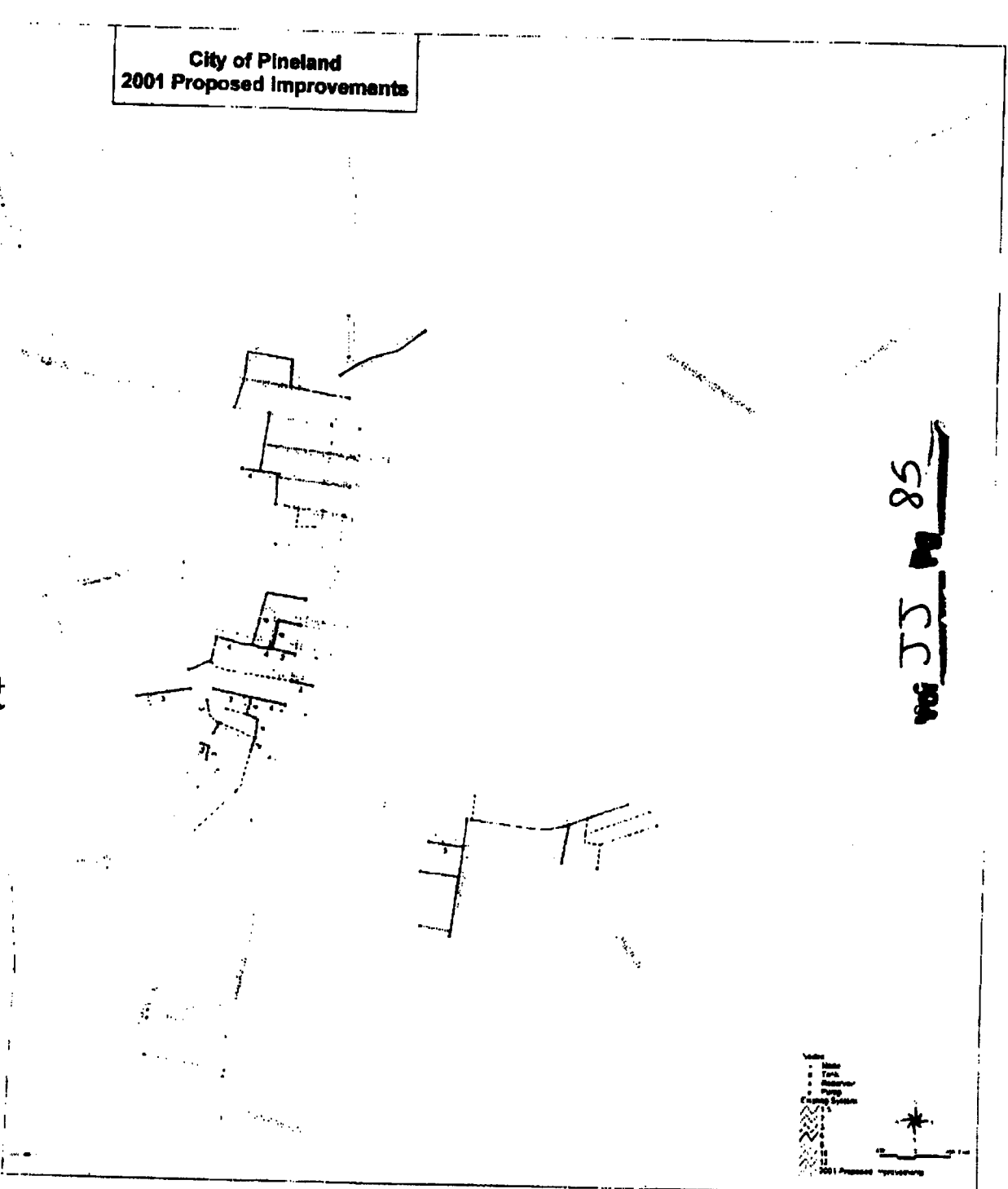
- Phase 2 water treatment plant expansion
- Additional lines to serve growth areas



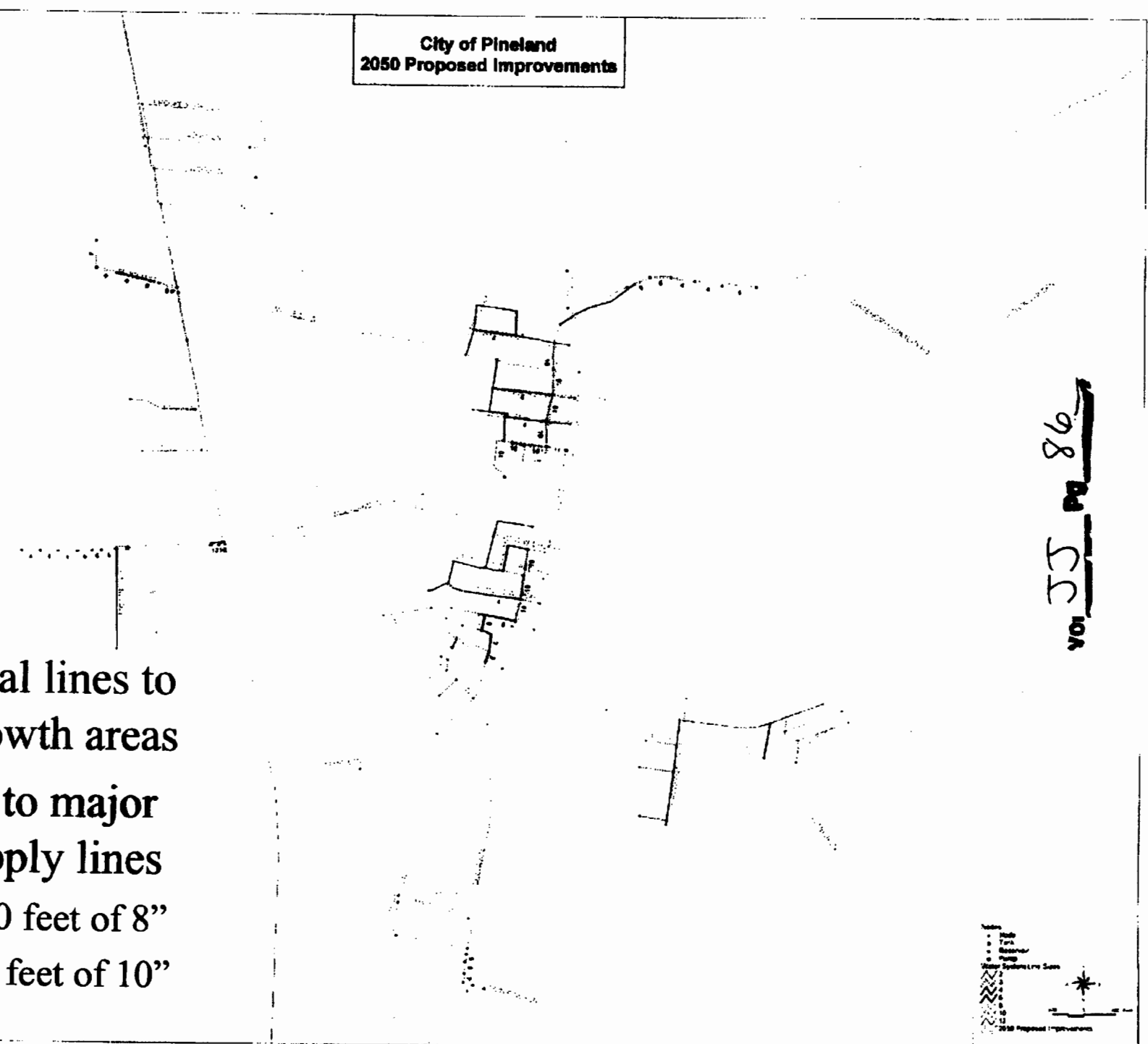
**City of Pineland
2001 Proposed Improvements**

- Potential inner connect with GM WSC
- Upgrades to smaller distribution lines
 - 500' from 1.5" to 3"
 - 1500' from 2" to 3"
 - 2500' from 2" to 4"

1961 JJ PG 85



**City of Pineland
2050 Proposed Improvements**



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- Additional lines to serve growth areas
- Upgrade to major trunk/supply lines
 - 10,000 feet of 8"
 - 1000' feet of 10"



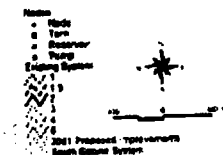
**Beechwood
Water Supply Corporation
2001 Proposed Improvements**

Water Treatment
Facilities

Storage and
Distribution
Pumps

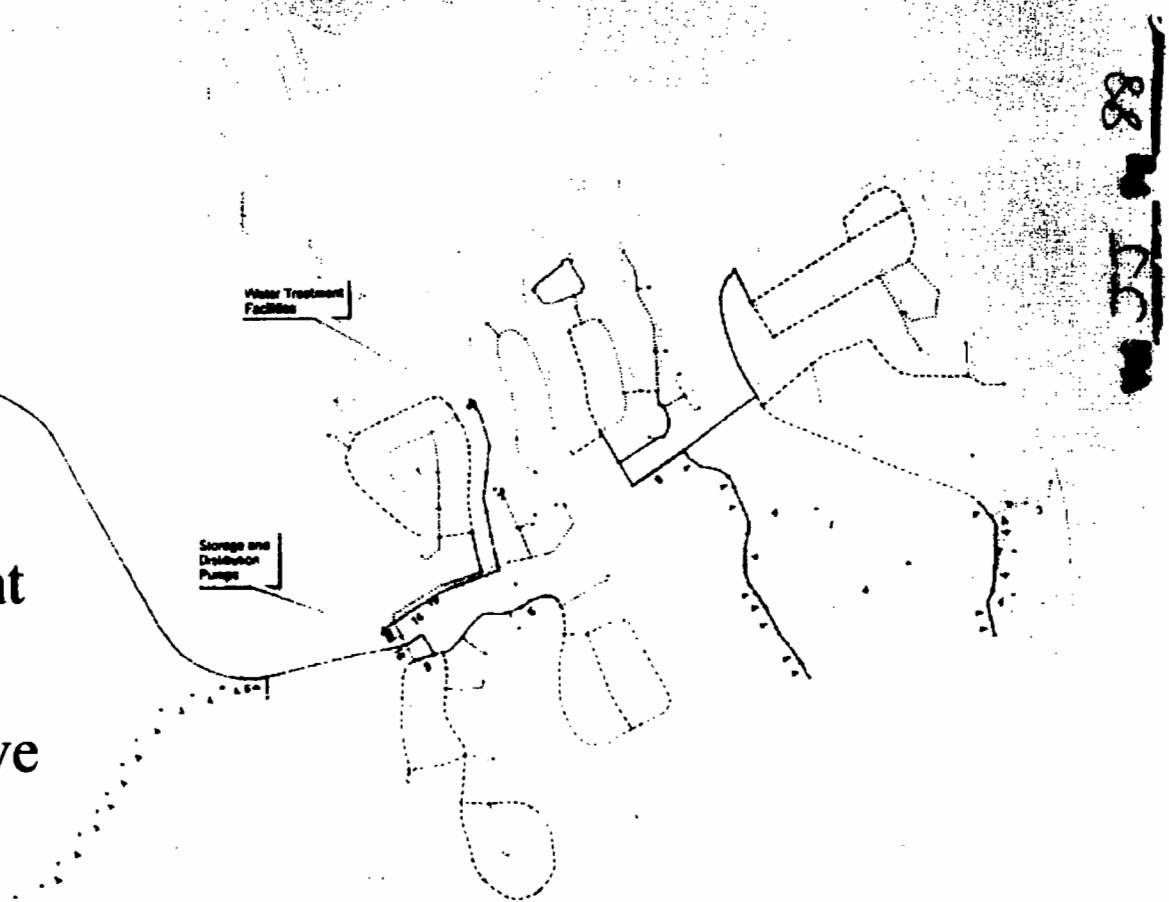
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- Phase 1 water treatment plant expansion
- Upgrades to smaller distribution lines
- Upgrades to major trunk/supply lines
 - 4,000 feet of 6"
 - 8,000 feet of 8"



**Beechwood
Water Supply Corporation
2050 Proposed Improvements**

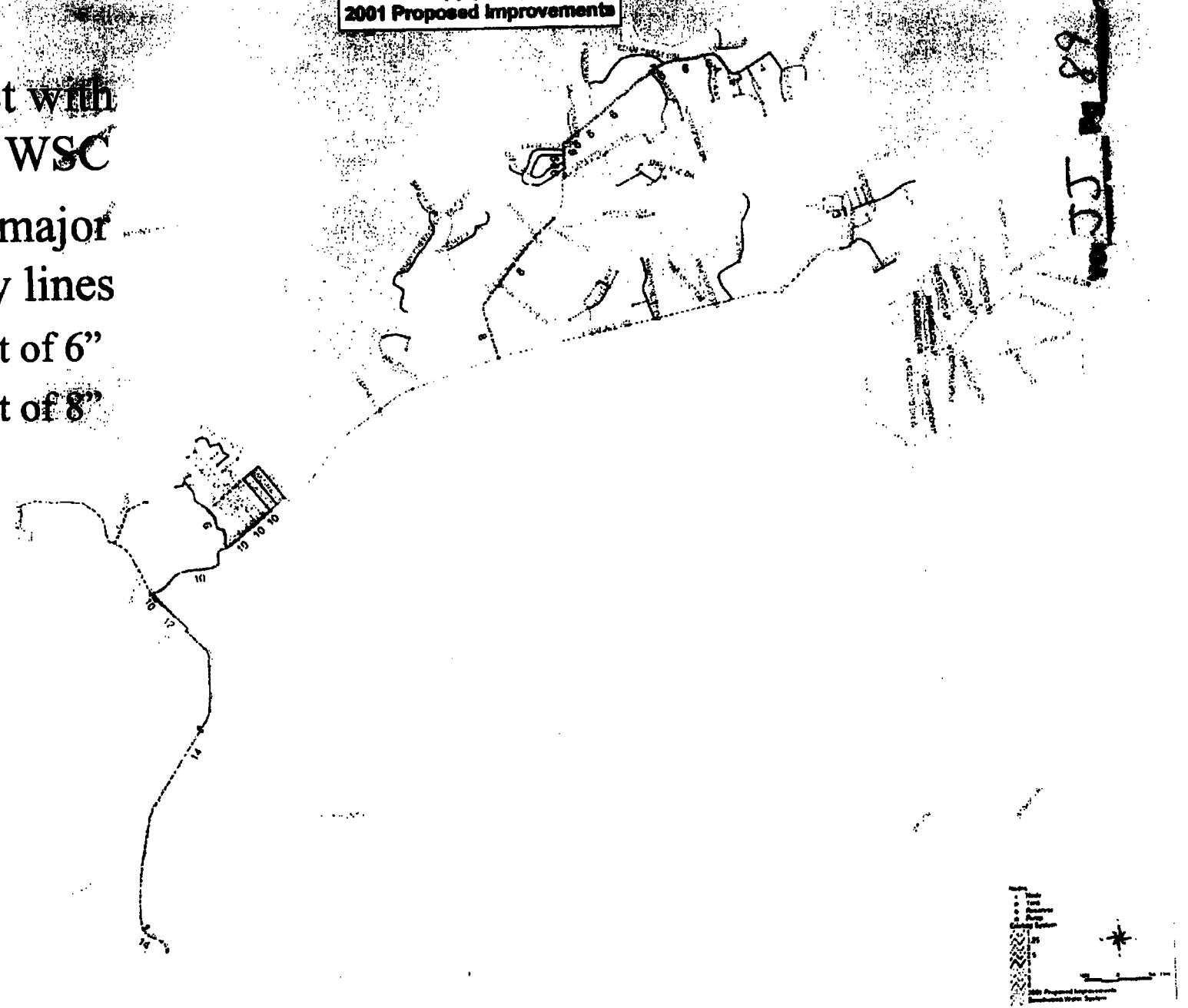
- Phase 2 water treatment plant expansion
- Additional lines to serve growth areas
- Upgrade of major trunk/supply lines
 - 1,400 feet of 10"
 - 3,000 feet of 16"



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SC

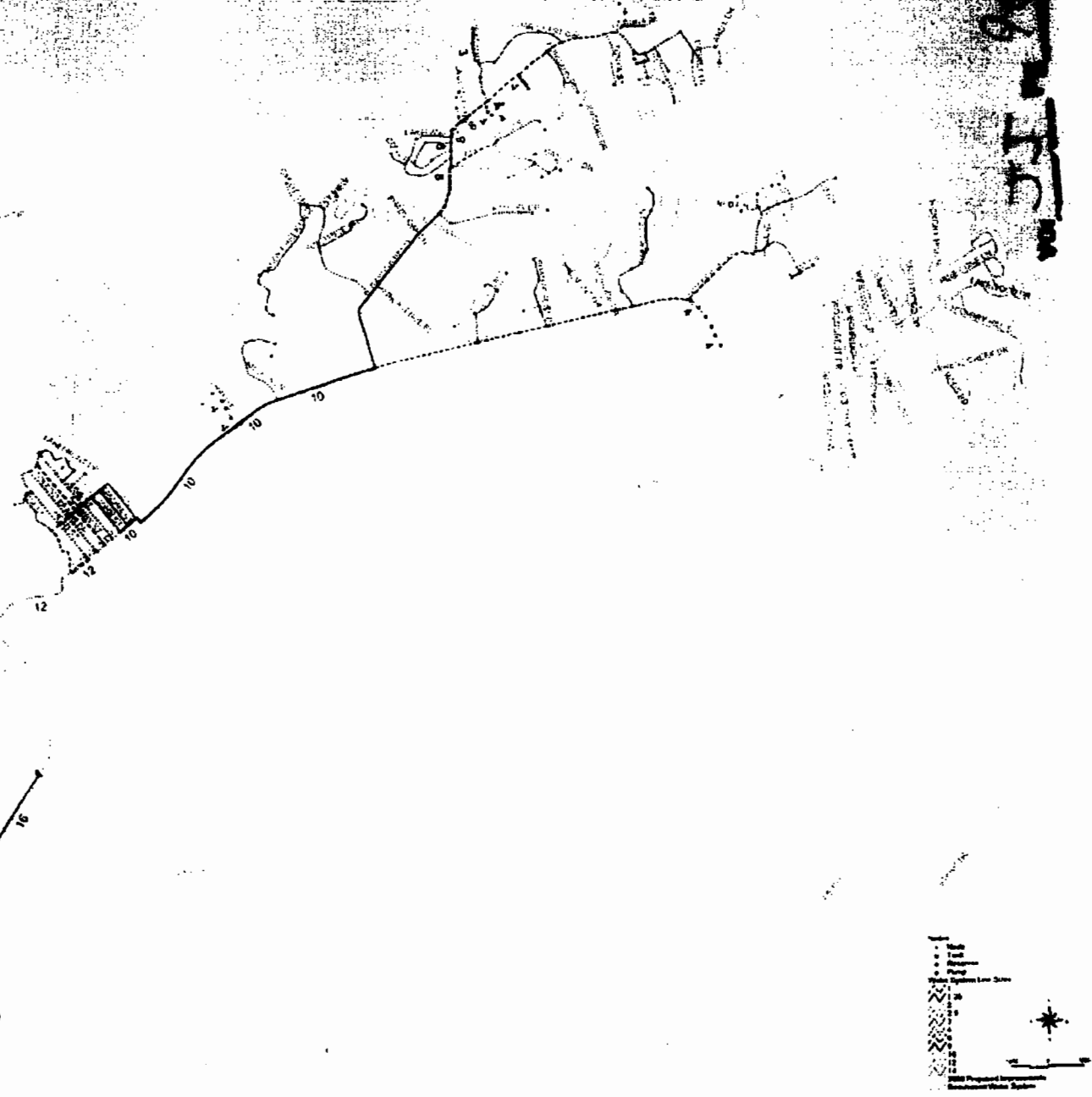
**South Sabine
Water Supply Corporation
2001 Proposed Improvements**

- Innerconnect with Beechwood WSC
- Upgrade of major trunk/supply lines
 - 6,000 feet of 6"
 - 5,000 feet of 8"

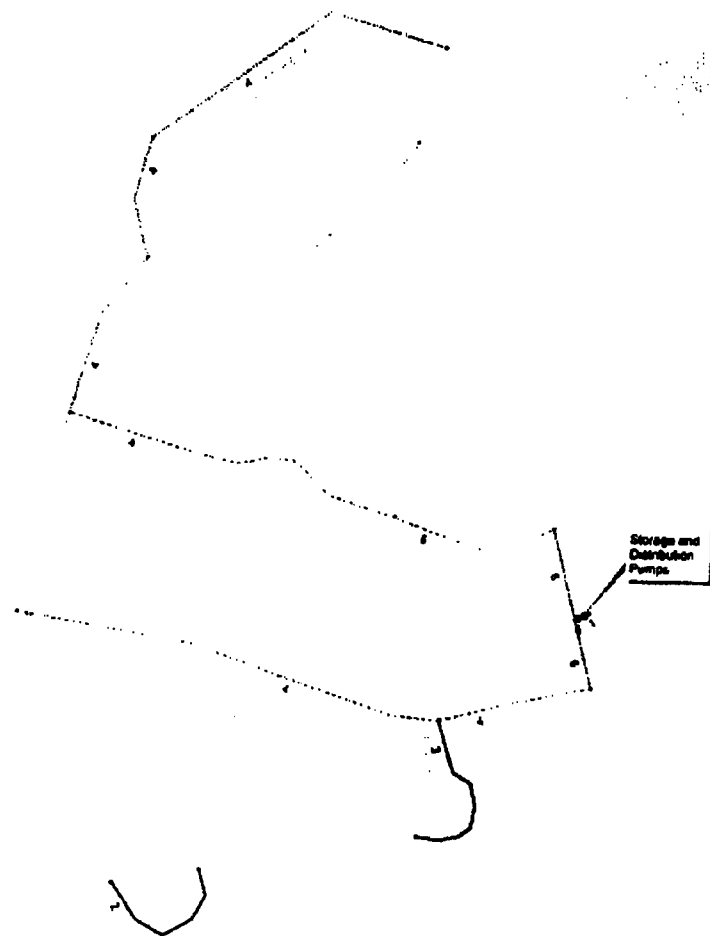


**South Sabine
Water Supply Corporation
2050 Proposed Improvements**

- Additional lines to serve growth areas
- Upgrade of major trunk/supply lines
 - 3,500 feet of 8"
 - 9,000 feet of 10"
 - 3,500 feet of 12"



El Camino Bay
Water Supply Corporation
2001 Proposed Improvements

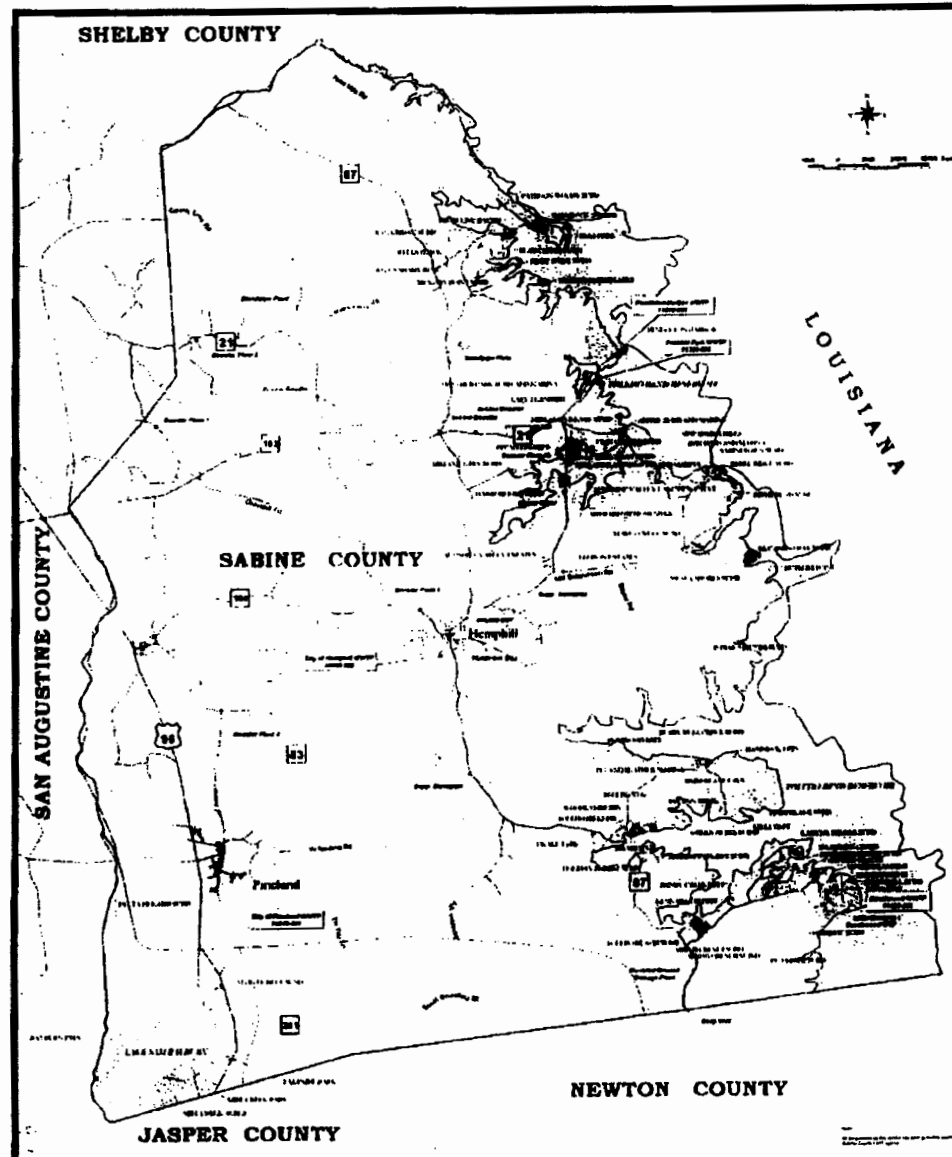


- Connection with GM WSC
- Upgrades to major trunk/supply lines
 - 1500' from 2" to 6"
 - 2000' from 3" to 4"
 - 300' from 3" to 6"
 - 300' from 4" to 6"



G-M WSC Preliminary Improvements

- Expand current contract for water from City of Hemphill SRA Plant
- Increase size of major trunk lines
- Increased storage capacity
- Increased pumping capacity
- Increase connections to areas in need



VOI JJ PG 9a

Preliminary Water Improvements Summary

- City of Hemphill plant expansion – 1500 to 2000 gpm over planning period
- Beechwood WCS plant expansion – 1000 to 1500 gpm over planning period
- G-M WCS innerconnects with Pineland, El Camino, and others
- Innerconnects between South Sabine WSC and Beechwood WSC
- Expand service areas for South Sabine WSC and Beechwood WCS to serve growth
- G-M improvements to storage, pumping capacity, and distribution lines
- Upgrades to distribution lines for all entities

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Wastewater Demand

	Total Connections 2001	Total Connections 2050	Existing Plant (MGD)	Average Wastewater		
				2001 (MGD)	2030 (MGD)	2050 (MGD)
G-M WSC	2,744	3,707	NA	0.57	0.68	0.77
Hemphill	659	903	0.2	0.14	0.17	0.19
Pineland	377	521	0.214	0.08	0.1	0.11
South Sabine	770	1,040	NA	0.16	0.19	0.22
Beechwood	470	634	0.05	0.1	0.12	0.13
El Camino	112	151	NA	0.02	0.03	0.03
TOTAL	5,132	6,956	0.464	1.07	1.20	1.15

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 VOI 55 PG

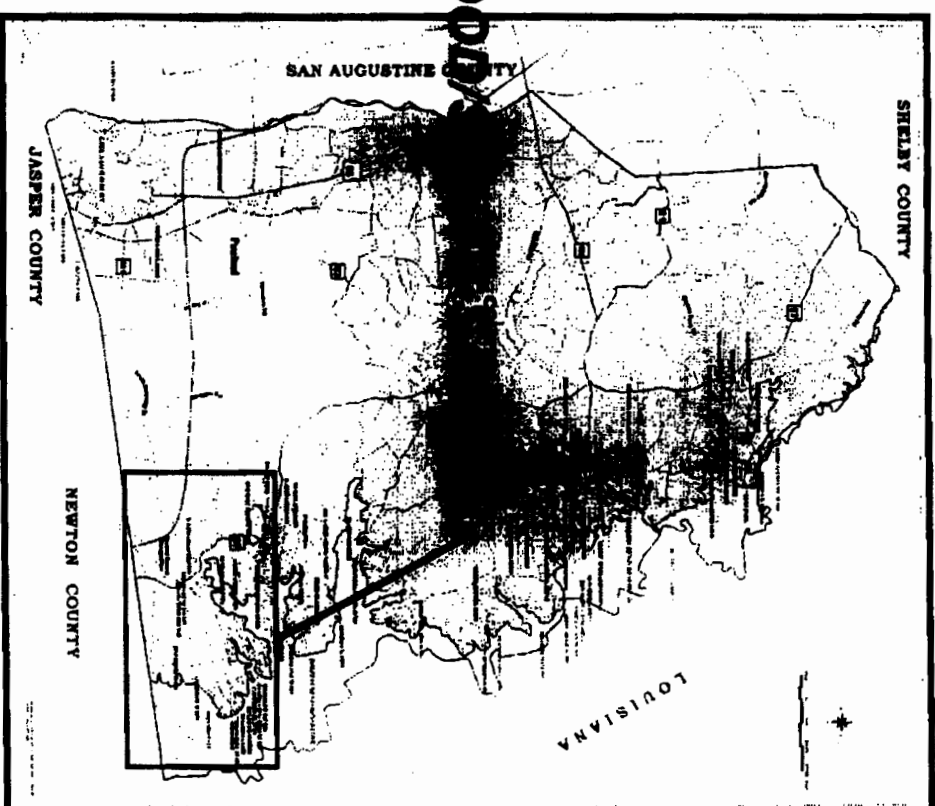
Wastewater Planning Basis

- Certain soils along Toledo Bend not conducive to on-site treatment
- Protection of primary water source
- ^{septic tank or pumps} STEP or gravity systems in individual subdivisions
- Multiple collection and pumping stations
- Multiple regional WWTP's along Toledo Bend Reservoir
- City of Hemphill WWTP expansion
- City of Pineland WWTP expansion
- Beechwood WWTP expansion

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VOL

Preliminary Wastewater Improvements

BEECHWOOD



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Beechwood/South Sabine Region

for JJ 97



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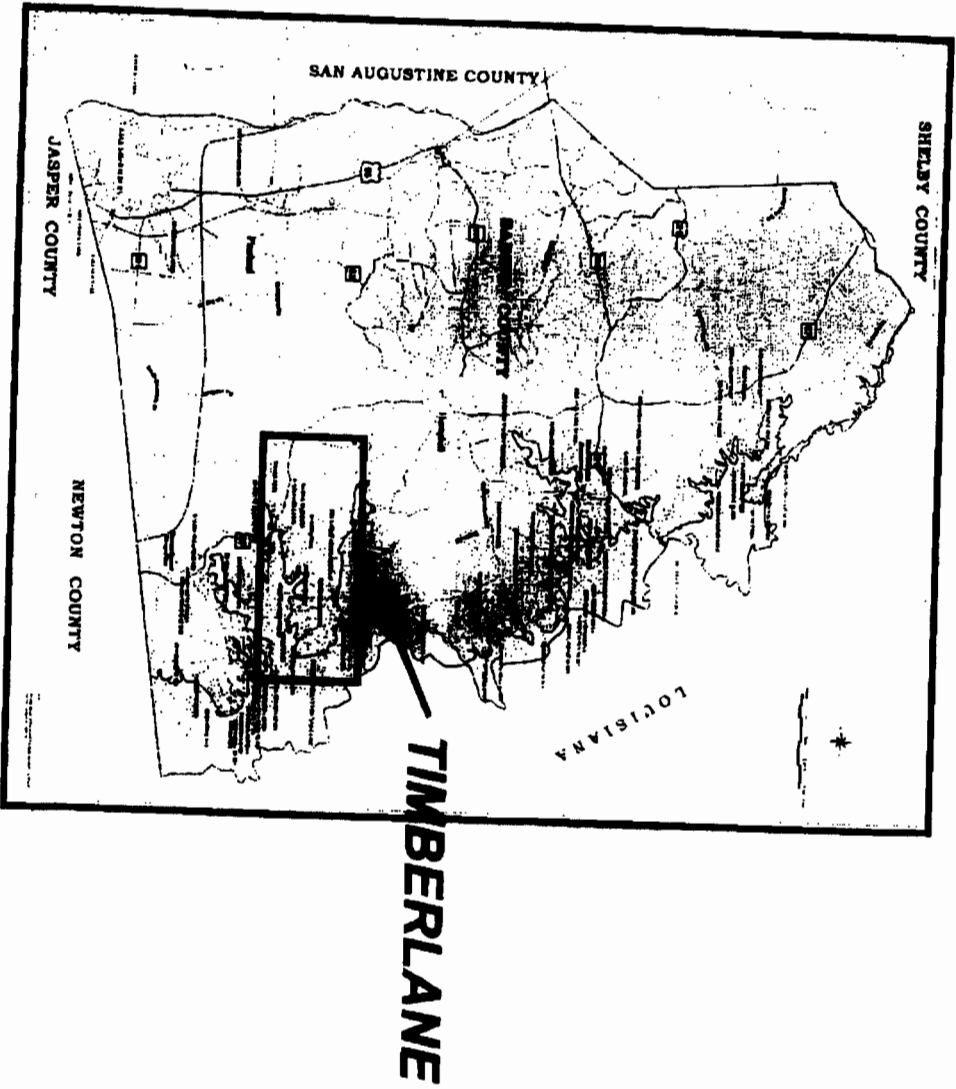
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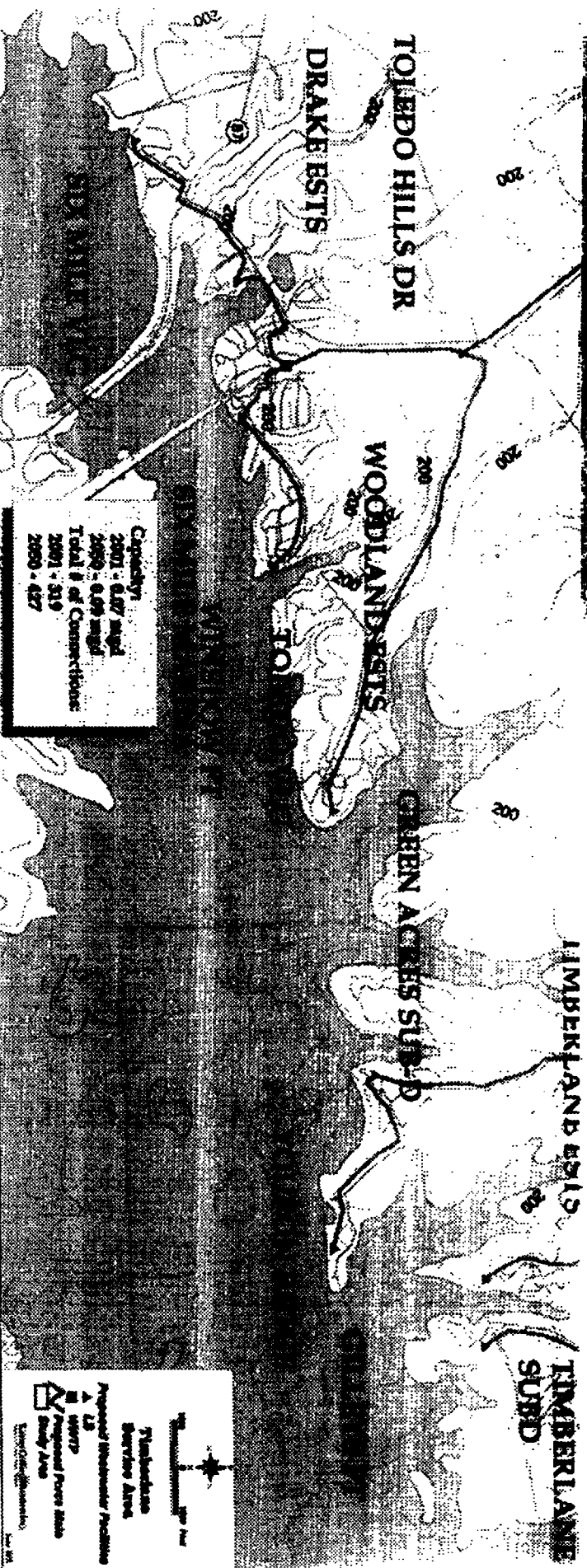
Preliminary Wastewater Improvements



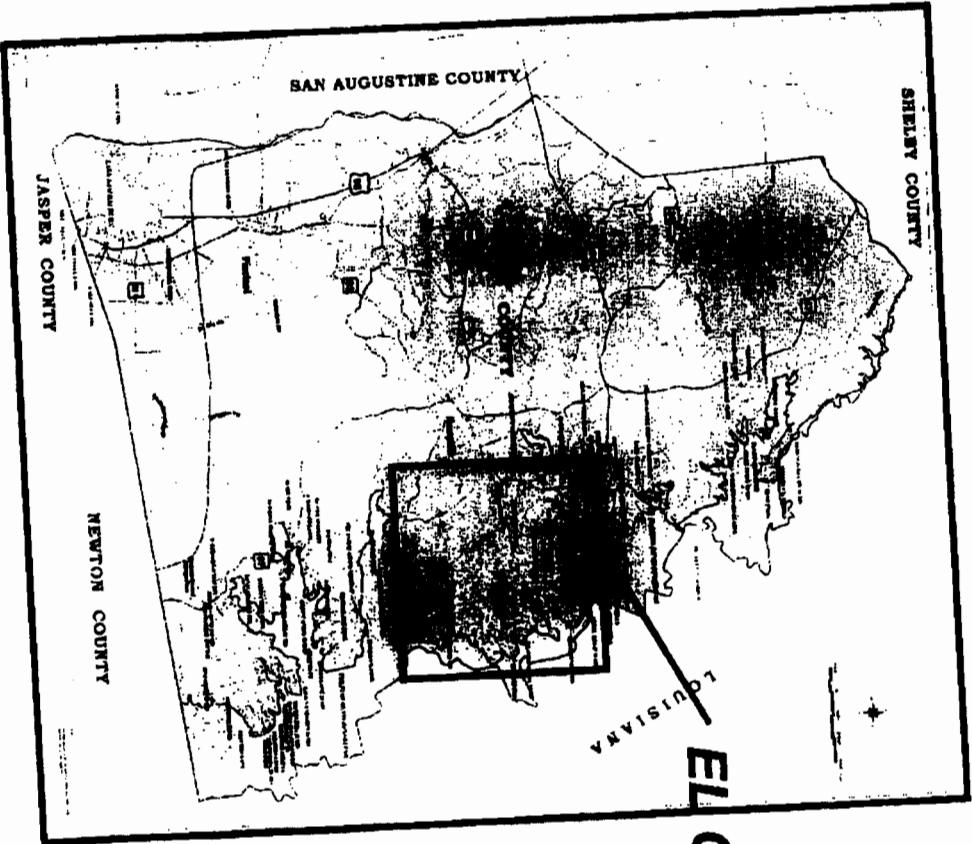
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Timberlane Region

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Preliminary Wastewater Improvements

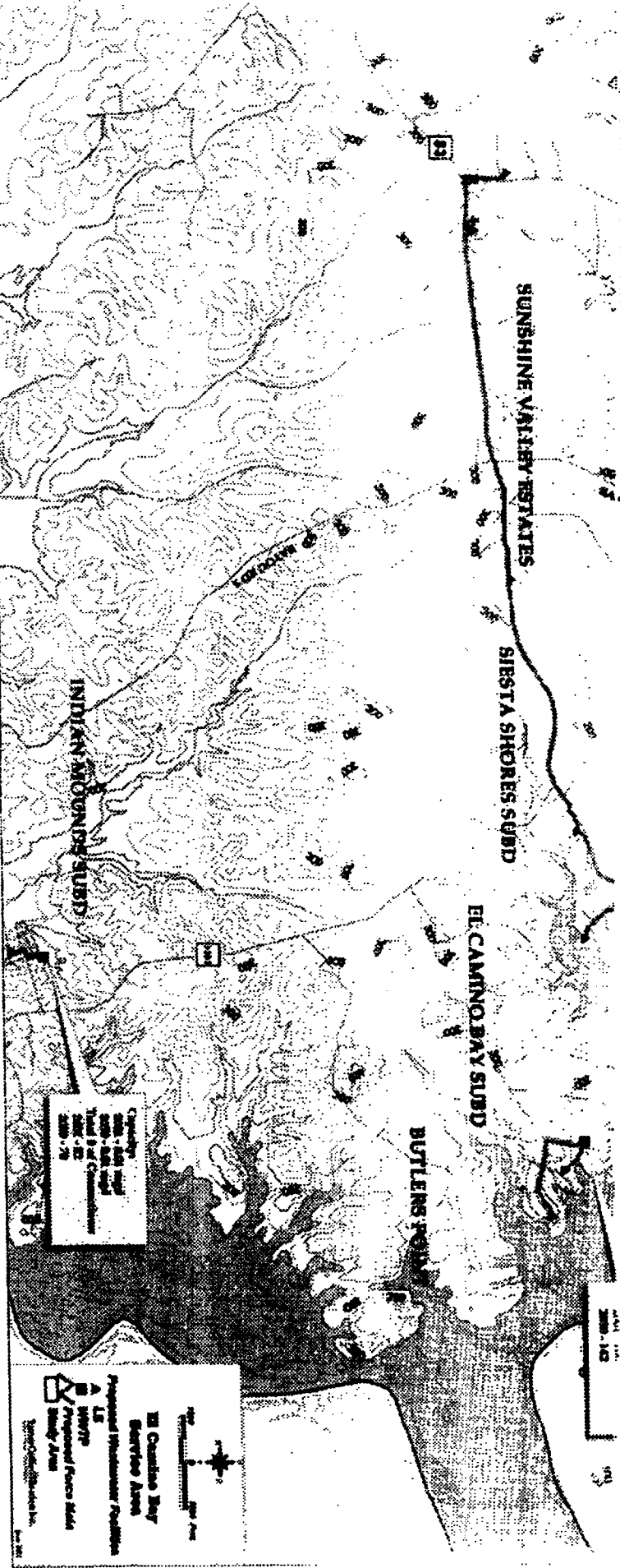
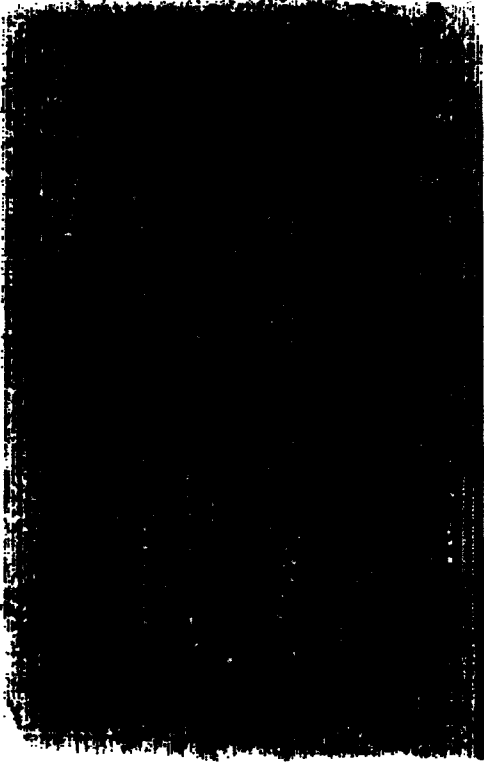


EL CAMINO BAY

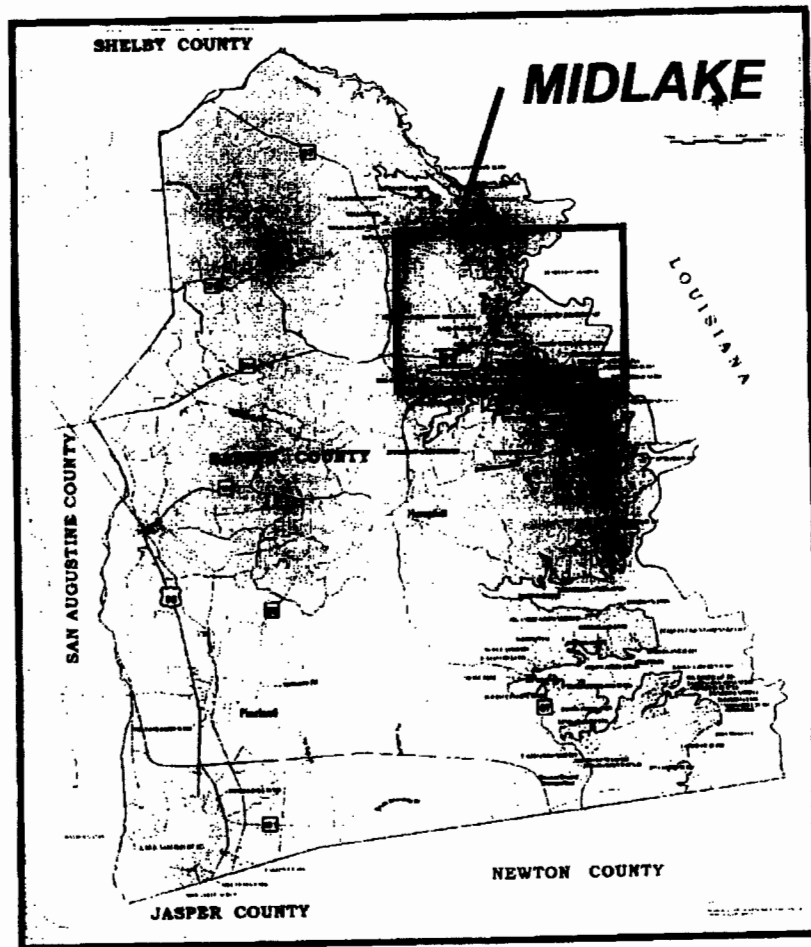
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El Camino Bay Region

10/10/04
JJ



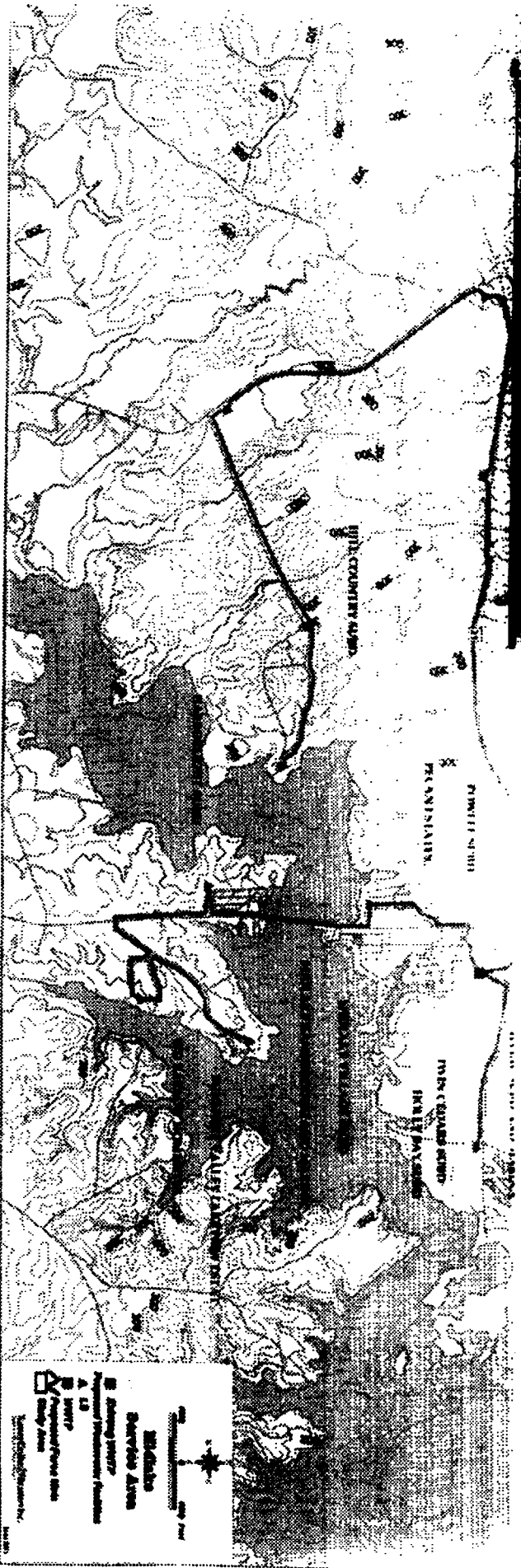
Preliminary Wastewater Improvements



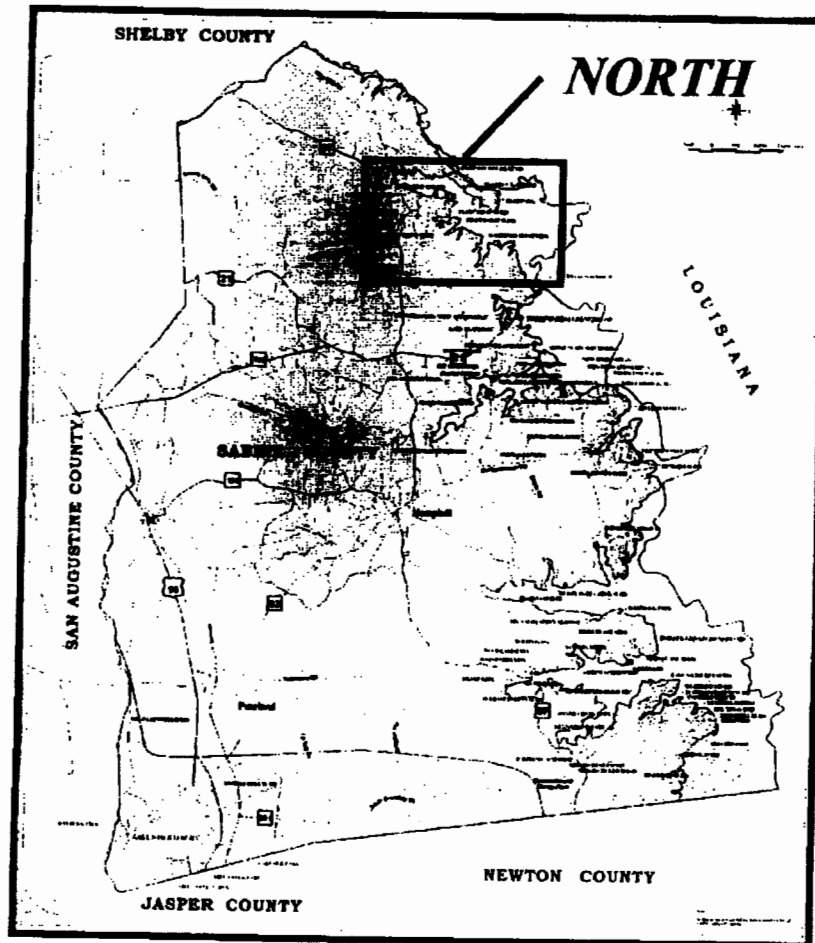
VOI 55 PG 102

Midlake Region

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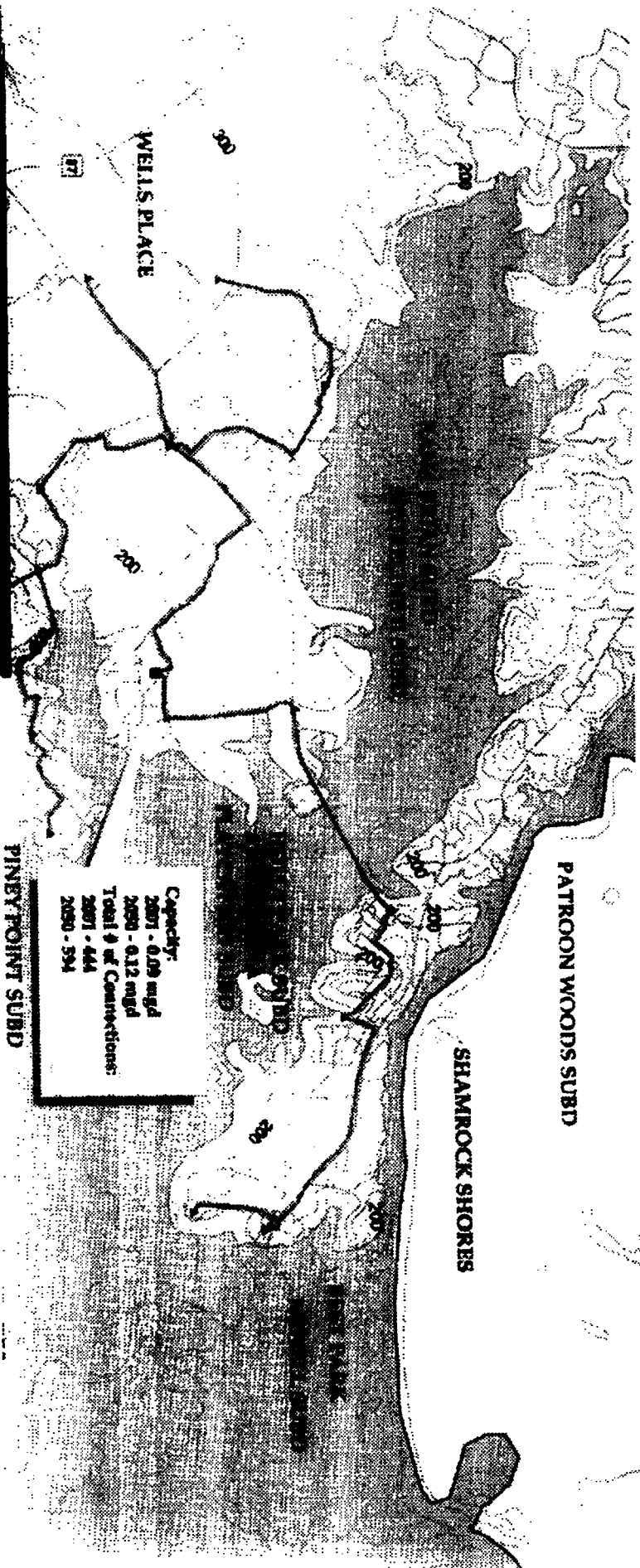
Preliminary Wastewater Improvements



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North Region

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Preliminary Wastewater Improvements Summary

- 10 ^{Waste water treatment plants} WWTP along Toledo Bend – approximately 1 MGD over planning period
- Over 80 lift stations over planning period
- 75 miles of force main over planning period
- STEP/Gravity Collection Systems in individual subdivisions
- Possible improvements to existing Hemphill, Pineland, and Beechwood WWTP
- Potential regional WWTP in Bronson area

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Freshwater Supply District Creation

water code Chapter 53

- Created by Petition, Hearing, and Election
- Petition presented to the County Commissioners Court
- Petition signed by 50 or a majority of electors who own land
- Hearing held between the 15th and 30th day following petition
- Five temporary supervisors appointed to serve on District
- Election held to determine if district will be established

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Freshwater Supply District Restrictions

- Elections required for all bond issues
- Revenue notes with term of not greater than 20 years can be issued without elections
- Creation of district inside ^{extra territorial} ETJ of city requires city consent
- District can not be created outside County without annexations

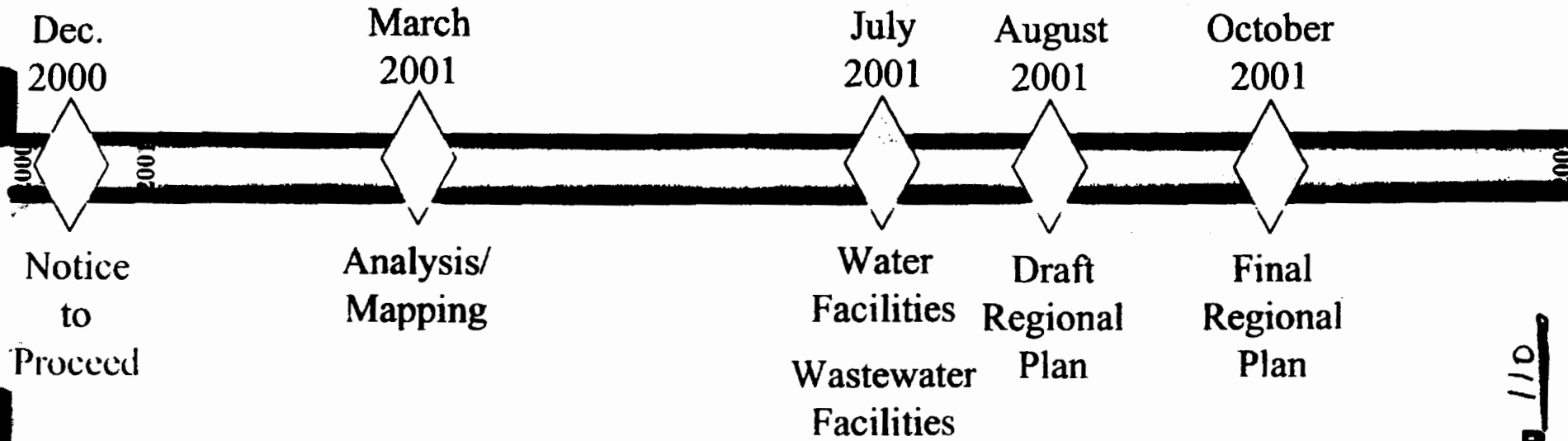
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Upcoming Activities

- Finalize proposed improvements
- Environmental Assessment
- Facilities cost estimating
- Rate analysis
- Funding options
- Management Authority

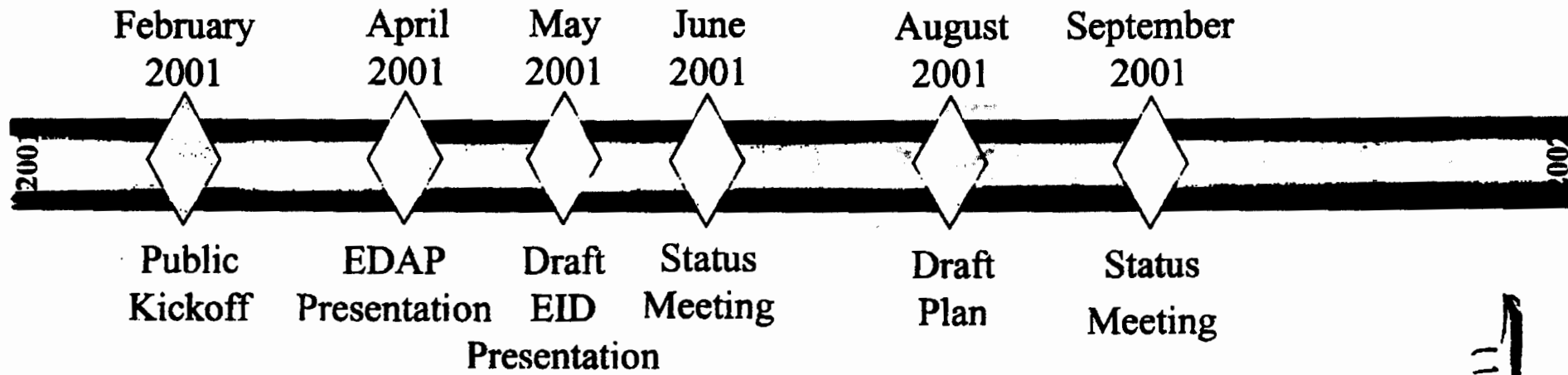
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Schedule and Milestones



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Public Participation



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Contacts

County Judge

Judge Jack Leath
(409) 787-3543

TWDB

J.D. Beffort
(512) 463-7989

Turner Collie & Braden

Keith Kindle, P.E.
(956) 781-6991
Michael Reedy, P.E.
(713) 267-3127

County Commissioners

Keith Clark – Precinct 1
Lynn Smith – Precinct 2
Doyle Dickerson – Precinct 3
Gene Nethery – Precinct 4

von 55 PG 112

**Regional Water and Wastewater
Planning**

**Project Status Meeting
June 21, 2001**

Meeting Agenda

- Introduction and Background
- Status of Regional Facilities Planning
- Status of Management Authority
- Project Schedule
- Questions and Answers

Background

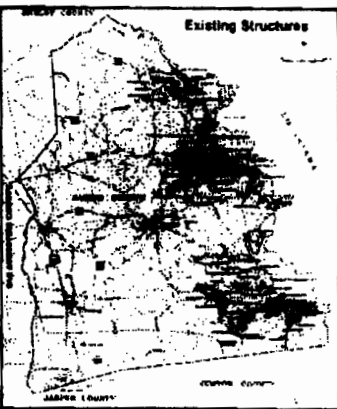
- Senate Bill 1 Regional Planning
- Existing local infrastructure needs
- Local agenda for economic growth
- TNRCC enforcement actions in County
- Wastewater treatment needs
- Plan for bringing supply to the individual end users



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Sabine County Today

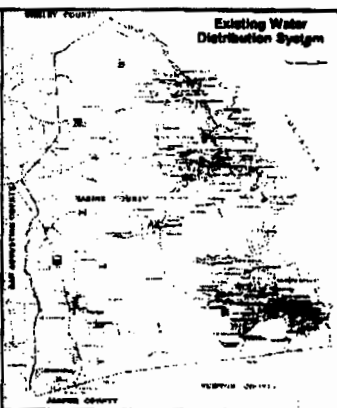
- 8 WSC's
- 5 WWTP's
- 2 Municipalities
- Private Well Owners
- Private Septic Tanks
- No Regionalization
- No Cost Sharing



Existing Structures

Regional Planning Benefits

- Secure future surface water source
- Maximize existing water resources
- Provide long-term solutions
- Economic development for County
- Economies of scale



Existing Water Distribution System

Tasks Completed

- Public Kick-off Meeting held 2/27/01
- Data and information collection
- Facilities Mapping
- Preliminary water improvements
- Preliminary wastewater improvements
- Draft EDAP Facilities Plan

Water Demand

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City of Pinebluff	377	521	176	2.4	244
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Beechwood WSC	470	634	54	65	73
El Camino	112	151	18	22	25

TNRCC Requirements (per water connection)

- Plant Capacity = 0.6 gpm
- Service Pumps = 2 gpm
- Total Storage = 200 gallons
- Elevated Storage = 100 gallons
- Pressure Tank = 20 gallons

TNRCC Requirements (2001)

	Plant Capacity (GPM)		Service Pumps (GPM)		Total Storage (gallons)		Elevated Storage (gallons)		Pressure Tank (gallons)	
	2001	2030	2001	2030	2001	2030	2001	2030	2001	2030
G-M WSC	1,646	2,225	7,488	10,214	424,000	564,000	200,000	270,000	20,000	26,000
Hemphill	401	559	1,814	2,421	82,000	108,000	NA	NA	NA	12,000
Pinebluff	251	344	1,104	1,456	56,000	74,000	NA	NA	NA	12,000
Sabine	623	831	2,712	3,604	140,000	184,000	0	NA	0	12,000
Beechwood	283	384	1,164	1,552	56,000	74,000	0	NA	0	6,000
El Camino	112	151	480	634	28,000	36,000	0	NA	0	2,000

(1) G-M WSC provides all water from City of Hemphill WTP
 (2) Pinebluff and South Sabine are groundwater systems

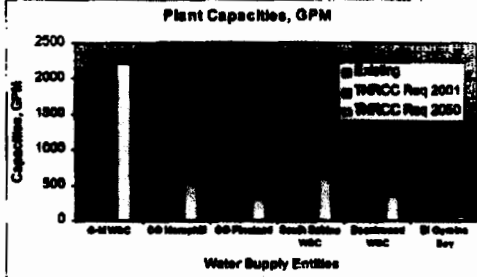
Voi 55 Pg 115

TNRCC Requirements (2050)

	Plant (GPM)		Service Pumps (GPM)		Total Service (Gallons)		Elevation (feet)		Pressure Loss (feet)	
	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC	Existing	TNRCC
G.M. WAC ⁽¹⁾	506	2,200	5,000	7,000	600,000	741,000	20,000	270,700	24,000	74,400
Hamphill ⁽²⁾	1,201	500	2,200	1,200	600,000	150,000	100,000	NA	NA	15,000
Pineland ⁽³⁾	125	313	700	1,000	200,000	104,200	200,000	NA	NA	10,000
South Sabine ⁽²⁾	400	601	NA	1,000	200,000	200,000	0	NA	3	20,000
Beechwood	150	200	1,000	1,200	200,000	150,000	0	NA	10,000	12,000
El Cuyote ⁽³⁾	70	67	200	200	30,000	24,000	0	NA	2,600	2,300

(1) G.M. WAC purchases all water from City of Hamphill W11
(2) Hamphill and South Sabine are groundwater systems
(3) El Cuyote has projected to grow through 2050

Water Treatment Needs



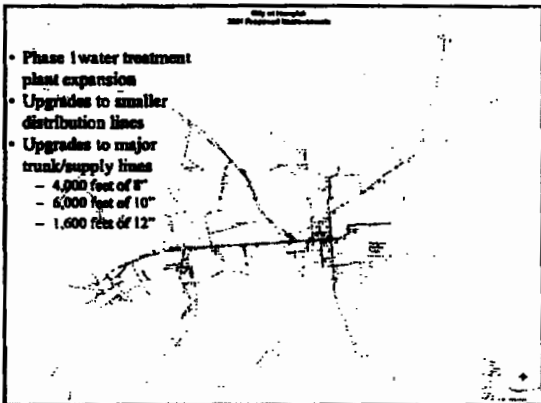
Water Planning Basis

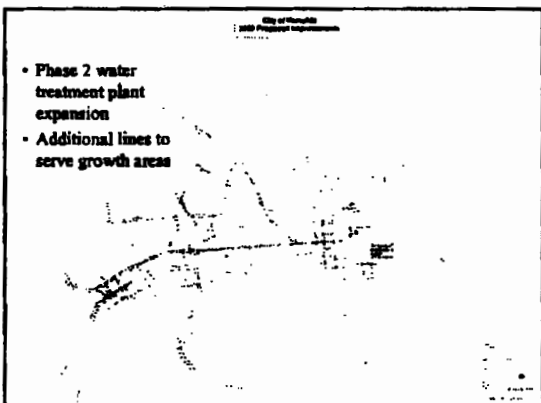
- Expansion and improvement of GM distribution system
- City of Hamphill / SRA regional water treatment plant
- Beechwood / South Sabine regional water treatment plant
- City of Pineland interconnect to GM

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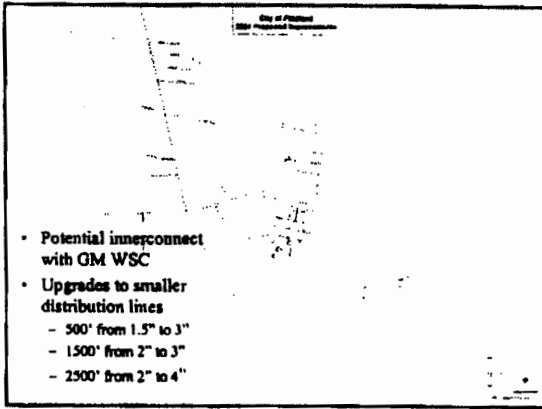
Water Model Criteria

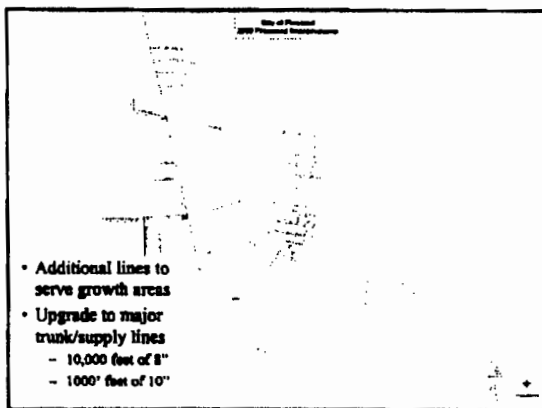
- Pipe2000 water model
- Distribution system sized for peak hour demand
- Peak hour demand based on actual water usage and TNRCC standards
- Improvements for 2001 and 2050
- Headloss less than 5 feet per 1,000 feet
- Velocity less than 5 feet per second
- Pressures above 35 psi (per TNRCC)

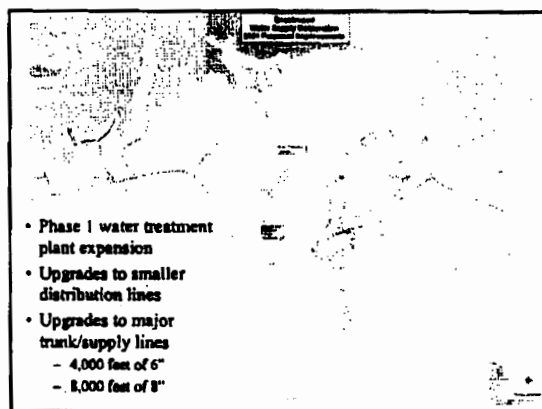




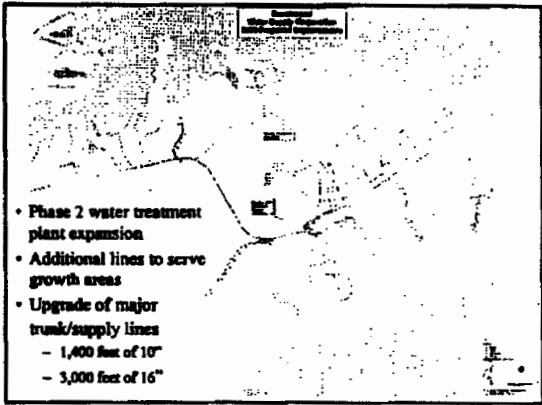
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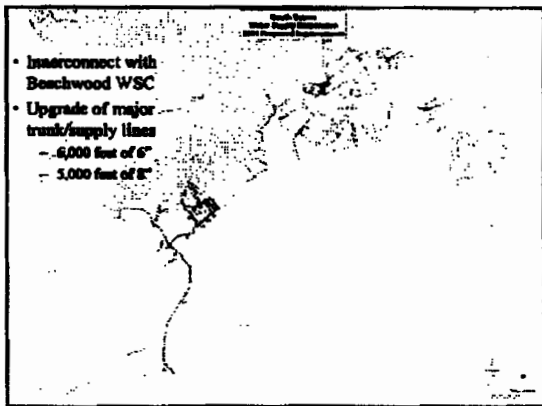


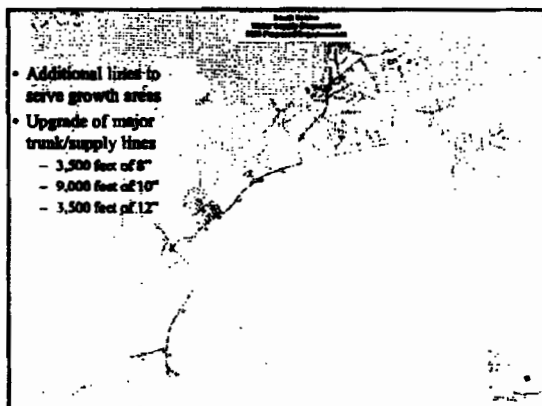




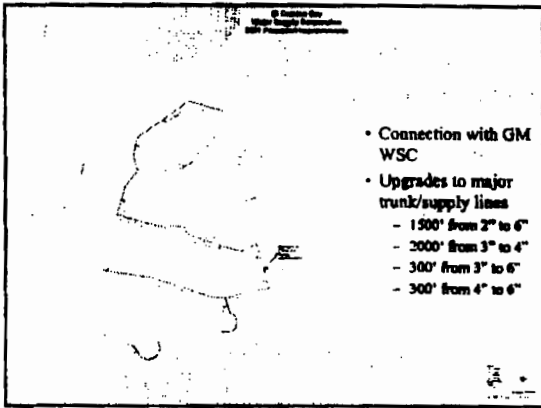
VOI 55 PG 118

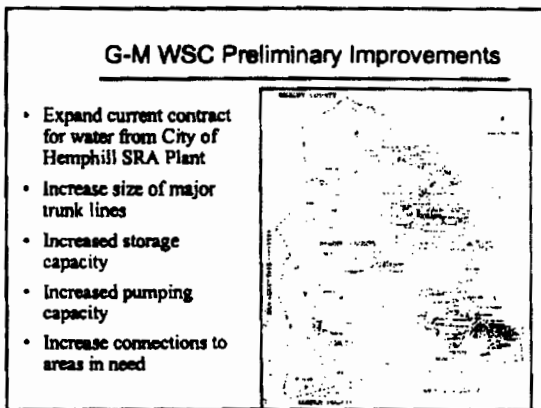


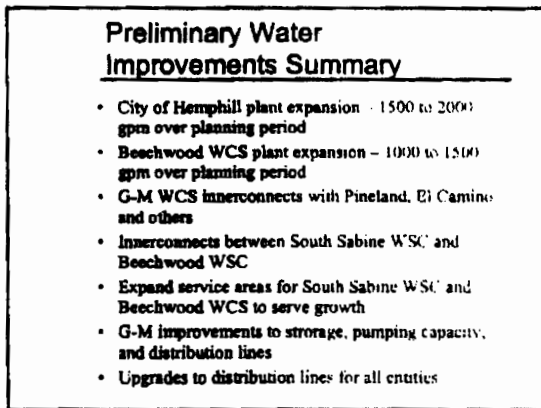




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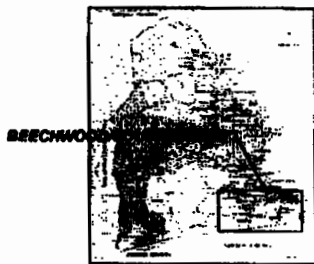
Wastewater Demand

	Total Connections	Total Connections	Existing Plans	Average Wastewater		
	2001	2050	(MGD)	2001 (MGD)	2030 (MGD)	2050 (MGD)
G-M WSC	2,744	3,707	NA	0.57	0.68	0.77
Hemphill	659	903	0.2	0.14	0.17	0.19
Pineland	377	521	0.214	0.06	-	0.11
Smith	770	1,040	NA	0.16	0.19	0.22
Sabine	470	634	0.05	0.1	0.12	0.15
Beechwood	112	151	NA	0.02	0.03	0.03

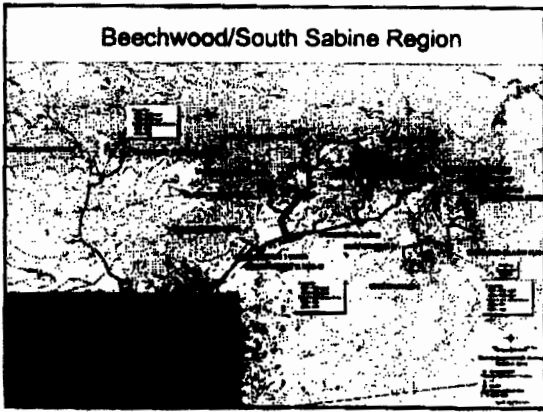
Wastewater Planning Basis

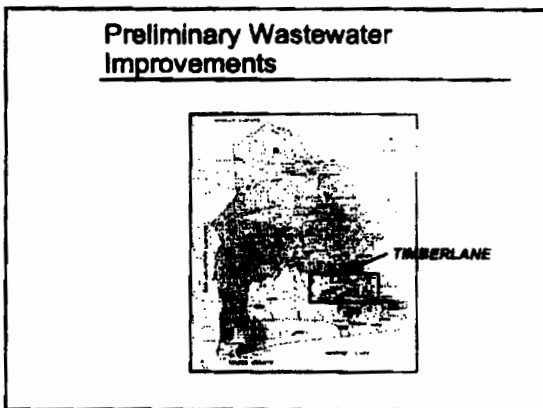
- Certain soils along Toledo Bend not conducive to on-site treatment
- Protection of primary water source
- STEP or gravity systems in individual subdivisions
- Multiple collection and pumping stations
- Multiple regional WWTP's along Toledo Bend Reservoir
- City of Hemphill WWTP expansion
- City of Pineland WWTP expansion
- Beechwood WWTP expansion

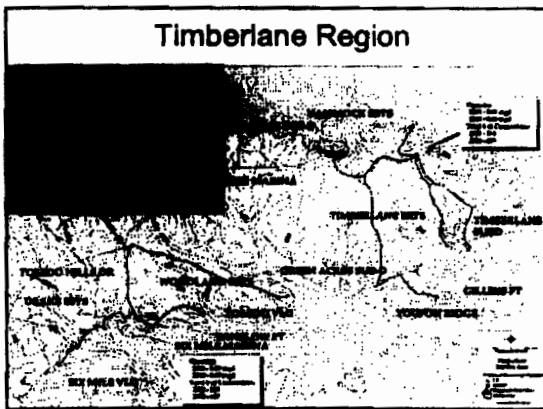
Preliminary Wastewater Improvements



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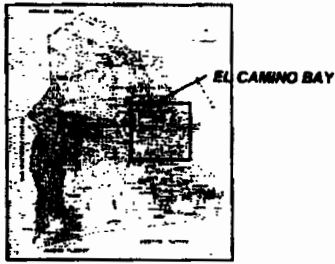




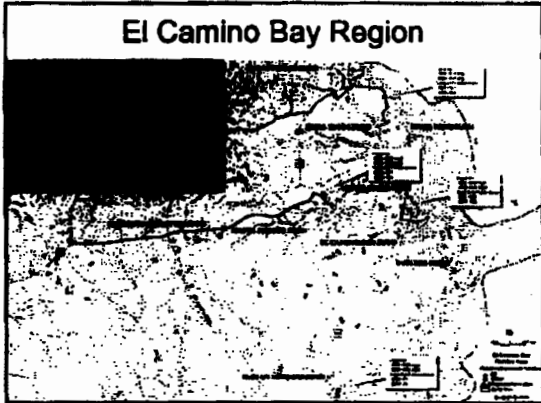


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**Preliminary Wastewater
Improvements**

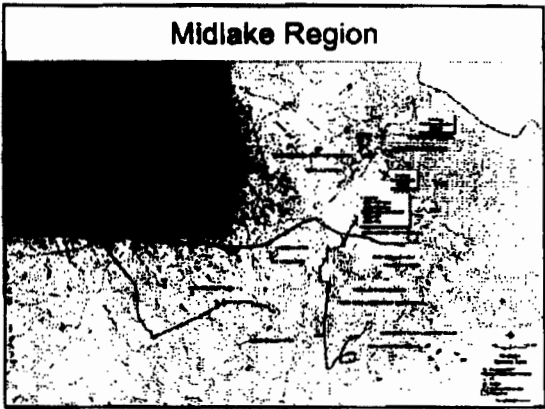


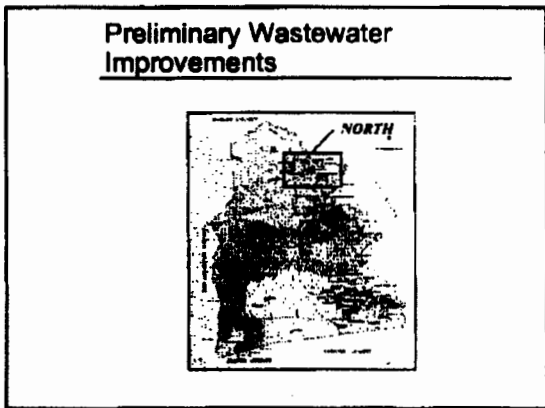
El Camino Bay Region

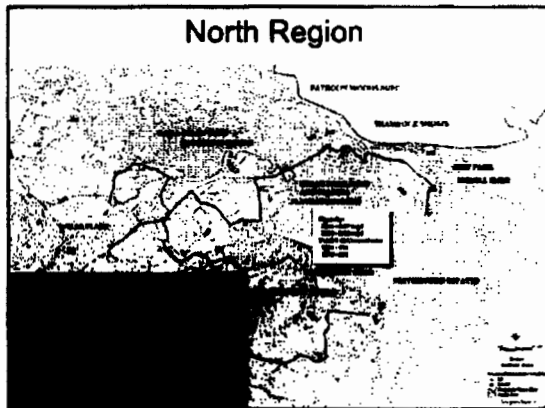


**Preliminary Wastewater
Improvements**









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Preliminary Wastewater Improvements Summary

- 10 WWTP along Toledo Bend -- approximately 1 MGD over planning period
- Over 80 lift stations over planning period
- 75 miles of force main over planning period
- STEP/Gravity Collection Systems in individual subdivisions
- Possible improvements to existing Hemphill, Pineland, and Beechwood WWTP
- Potential regional WWTP in Bronson area

Freshwater Supply District Creation

- Created by Petition, Hearing, and Election
- Petition presented to the County Commissioners Court
- Petition signed by 50 or a majority of electors who own land
- Hearing held between the 15th and 30th day following petition
- Five temporary supervisors appointed to serve on District
- Election held to determine if district will be established

Freshwater Supply District Restrictions

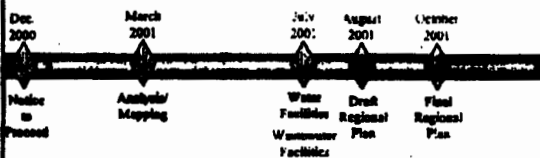
- Elections required for all bond issues
- Revenue notes with term of not greater than 20 years can be issued without elections
- Creation of district inside ETJ of city requires city consent
- District can not be created outside County without annexations

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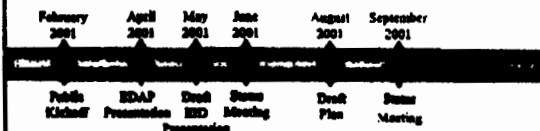
Upcoming Activities

- Finalize proposed improvements
- Environmental Assessment
- Facilities cost estimating
- Rate analysis
- Funding options
- Management Authority

Schedule and Milestones



Public Participation



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Contacts

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TWDB
J.D. Belfer
(409) 213-7989

County Clerk
Janice McDaniel
(409) 213-3127

County Commissioner
Lynn Ann Thomas
(409) 213-3127

The State Of Texas
County Of Sabine

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE FILED AND
DULY RECORDED IN THE COMMISSIONER COURT MINUTES OF SABINE
COUNTY, TEXAS.

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JANICE MCDANIEL COUNTY CLERK

BY Janice McDaniel
Deputy



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