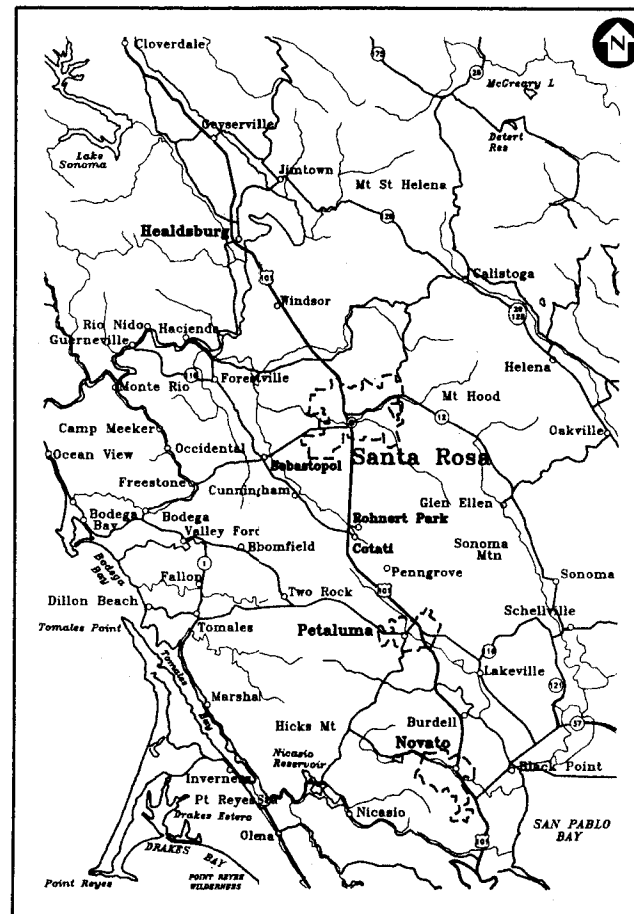


SANTA ROSA SUBREGIONAL LONG - TERM WASTEWATER PROJECT

ALTERNATIVE PROJECTS FACILITIES PLAN



VICINITY MAP

HARLAND BARTHOLOMEW AND ASSOCIATES
PARSONS ENGINEERING SCIENCE

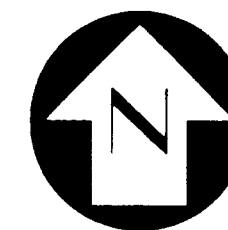
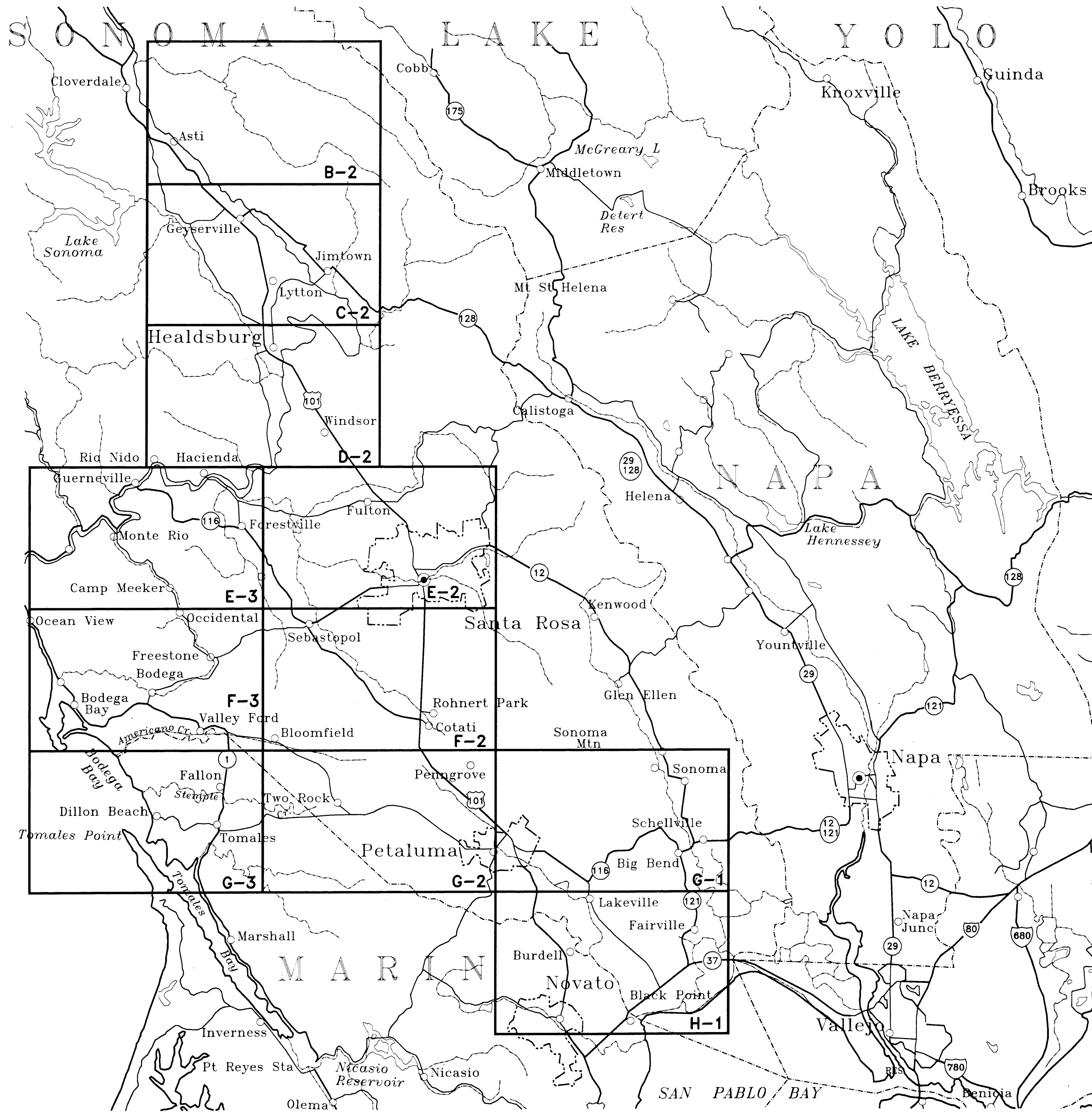


OFFICES IN PRINCIPAL CITIES

SHEET NO. GEN-1
SHEET OF
PROJECT NO. 723129

AUG 30, 1995 - 10:48:47 \\ENG_DWG\STR\GEN-1

<div>GENERAL SHEETS</div> <div>DESCRIPTION: SHEETS THAT DEFINE AND DESCRIBE INFORMATION FOUND ON ALL OTHER SHEETS. INCLUDES A SYSTEM SCHEMATIC FOR EACH ALTERNATIVE.</div> <table><tr><td>GEN-1</td><td>TITLE SHEET</td></tr><tr><td>GEN-2</td><td>SHEET INDEX</td></tr><tr><td>GEN-3</td><td>SHEET INDEX MAP</td></tr><tr><td>GEN-4</td><td>GENERAL SYMBOLS AND ABBREVIATIONS</td></tr><tr><td>GEN-5</td><td>SCHEMATIC DIAGRAM - (ALTERNATIVE #2) SOUTH COUNTY RECLAMATION</td></tr><tr><td>GEN-6</td><td>SCHEMATIC DIAGRAM - (ALTERNATIVE #3) WEST COUNTY RECLAMATION</td></tr><tr><td>GEN-7</td><td>SCHEMATIC DIAGRAM - (ALTERNATIVE #4) GEYSERS RECHARGE</td></tr><tr><td>GEN-8</td><td>SCHEMATIC DIAGRAM - (ALTERNATIVE #5) 20% MAXIMUM RUSSIAN RIVER DISCHARGE</td></tr><tr><td>GEN-9</td><td>RECLAIMED WATER PUMPING SYSTEM SCHEMATIC</td></tr></table> <div>PROJECT OVERVIEW MAPS</div> <div>DESCRIPTION: SHEETS THAT DISPLAY THE COMPONENTS AND ELEMENTS FOR ALL THE PROJECT ALTERNATIVES. OVERLAID ON A USGS BASE MAP. SHEETS ARE ALIGNED AS SHOWN ON THE INDEX MAP (SHEET GEN-3). SCALE: 1"=2,000'.</div> <table><tr><td>B-2</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>C-2</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>D-2</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>E-2</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>E-3</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>F-2</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>F-3</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>G-1</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>G-2</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>G-3</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr><tr><td>H-1</td><td>PROJECT FACILITIES - ALTERNATIVES 1-5</td></tr></table> <div>ALTERNATIVE MAPS</div> <div>DESCRIPTION: SHEETS THAT DISPLAY ONLY THOSE COMPONENTS AND ELEMENTS AFFILIATED WITH A PARTICULAR ALTERNATIVE. OVERLAID ON A USGS BASE MAP. INCLUDES A PROJECT OVERVIEW MAP OF ALL COMPONENTS AND ELEMENTS. SCALE: 1"=6,000'.</div> <table><tr><td>OV-A</td><td>PROJECT OVERVIEW MAP - SOUTH</td></tr><tr><td>OV-B</td><td>PROJECT OVERVIEW MAP - NORTH</td></tr><tr><td>OV1-1</td><td>ALTERNATIVE 1 - EXISTING AND INTERIM RECLAMATION FACILITIES - SOUTH</td></tr><tr><td>OV1-2</td><td>ALTERNATIVE 1 - EXISTING AND INTERIM RECLAMATION FACILITIES - NORTH</td></tr><tr><td>OV2-1</td><td>ALTERNATIVE 2 - SOUTH COUNTY RECLAMATION FACILITIES - SOUTH</td></tr><tr><td>OV2-2</td><td>ALTERNATIVE 2 - SOUTH COUNTY RECLAMATION FACILITIES - NORTH</td></tr><tr><td>OV3-1</td><td>ALTERNATIVE 3 - WEST COUNTY RECLAMATION FACILITIES - SOUTH</td></tr><tr><td>OV3-2</td><td>ALTERNATIVE 3 - WEST COUNTY RECLAMATION FACILITIES - NORTH</td></tr><tr><td>OV4-1</td><td>ALTERNATIVE 4 - GEYSERS RECHARGE FACILITIES - SOUTH</td></tr><tr><td>OV4-2</td><td>ALTERNATIVE 4 - GEYSERS RECHARGE FACILITIES - NORTH</td></tr><tr><td>OV5-1</td><td>ALTERNATIVE 5 - RIVER DISCHARGE FACILITIES - SOUTH</td></tr><tr><td>OV5-2</td><td>ALTERNATIVE 5 - RIVER DISCHARGE FACILITIES - NORTH</td></tr></table>						GEN-1	TITLE SHEET	GEN-2	SHEET INDEX	GEN-3	SHEET INDEX MAP	GEN-4	GENERAL SYMBOLS AND ABBREVIATIONS	GEN-5	SCHEMATIC DIAGRAM - (ALTERNATIVE #2) SOUTH COUNTY RECLAMATION	GEN-6	SCHEMATIC DIAGRAM - (ALTERNATIVE #3) WEST COUNTY RECLAMATION	GEN-7	SCHEMATIC DIAGRAM - (ALTERNATIVE #4) GEYSERS RECHARGE	GEN-8	SCHEMATIC DIAGRAM - (ALTERNATIVE #5) 20% MAXIMUM RUSSIAN RIVER DISCHARGE	GEN-9	RECLAIMED WATER PUMPING SYSTEM SCHEMATIC	B-2	PROJECT FACILITIES - ALTERNATIVES 1-5	C-2	PROJECT FACILITIES - ALTERNATIVES 1-5	D-2	PROJECT FACILITIES - ALTERNATIVES 1-5	E-2	PROJECT FACILITIES - ALTERNATIVES 1-5	E-3	PROJECT FACILITIES - ALTERNATIVES 1-5	F-2	PROJECT FACILITIES - ALTERNATIVES 1-5	F-3	PROJECT FACILITIES - ALTERNATIVES 1-5	G-1	PROJECT FACILITIES - ALTERNATIVES 1-5	G-2	PROJECT FACILITIES - ALTERNATIVES 1-5	G-3	PROJECT FACILITIES - ALTERNATIVES 1-5	H-1	PROJECT FACILITIES - ALTERNATIVES 1-5	OV-A	PROJECT OVERVIEW MAP - SOUTH	OV-B	PROJECT OVERVIEW MAP - NORTH	OV1-1	ALTERNATIVE 1 - EXISTING AND INTERIM RECLAMATION FACILITIES - SOUTH	OV1-2	ALTERNATIVE 1 - EXISTING AND INTERIM RECLAMATION FACILITIES - NORTH	OV2-1	ALTERNATIVE 2 - SOUTH COUNTY RECLAMATION FACILITIES - SOUTH	OV2-2	ALTERNATIVE 2 - SOUTH COUNTY RECLAMATION FACILITIES - NORTH	OV3-1	ALTERNATIVE 3 - WEST COUNTY RECLAMATION FACILITIES - SOUTH	OV3-2	ALTERNATIVE 3 - WEST COUNTY RECLAMATION FACILITIES - NORTH	OV4-1	ALTERNATIVE 4 - GEYSERS RECHARGE FACILITIES - SOUTH	OV4-2	ALTERNATIVE 4 - GEYSERS RECHARGE FACILITIES - NORTH	OV5-1	ALTERNATIVE 5 - RIVER DISCHARGE FACILITIES - SOUTH	OV5-2	ALTERNATIVE 5 - RIVER DISCHARGE FACILITIES - NORTH	<div>RESERVOIR MAPS</div> <div>DESCRIPTION: SHEETS THAT DISPLAY THE INDIVIDUAL RESERVOIR AND ANCILLARY FACILITIES THAT ARE ELEMENTS OF ALTERNATIVES 2 AND 3. OVERLAID ON USGS BASE MAP. SCALE 1"=500'.</div> <table><tr><td>RES-1</td><td>TOLAY A (S39A) RESERVOIR</td></tr><tr><td>RES-2</td><td>TOLAY C (S39C) RESERVOIR</td></tr><tr><td>RES-3</td><td>LAKEVILLE HILLSIDE (L-2A) RESERVOIR</td></tr><tr><td>RES-4</td><td>SEARS POINT (SP-1) RESERVOIR</td></tr><tr><td>RES-5</td><td>ADOBE ROAD (AD-1B) RESERVOIR</td></tr><tr><td>RES-6</td><td>TWO ROCK (T6-A) RESERVOIR</td></tr><tr><td>RES-7</td><td>BLOOMFIELD (B1-A) RESERVOIR</td></tr><tr><td>RES-8</td><td>VALLEY FORD (V-4), CARROLL ROAD(V-7) RESERVOIRS</td></tr><tr><td>RES-9</td><td>HUNTLEY (T-1) RESERVOIR</td></tr><tr><td>RES-10</td><td>RESERVOIR TYPICAL CROSS SECTIONS</td></tr><tr><td>RES-11</td><td>RESERVOIR STORAGE ELEVATION CURVES - WEST COUNTY RESERVOIRS</td></tr><tr><td>RES-12</td><td>RESERVOIR STORAGE ELEVATION CURVES - SOUTH COUNTY RESERVOIRS</td></tr></table> <div>PIPELINE ALIGNMENT MAPS</div> <div>DESCRIPTION: SHEETS THAT DISPLAY STORAGE TRANSMISSION PIPELINES, IRRIGATION DISTRIBUTION PIPELINES, AND PUMP STATION FACILITIES THAT ARE A PART OF ALL ALTERNATIVES. OVERLAID ON A USGS BASE MAP. SCALE: 1"=500' AND 1"=1,000.</div> <table><tr><td>E-2A-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>E-2C-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>E-2D-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>E-3B-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>E-3D-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-2A-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-2B-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-2C-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-2D-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-3B-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-3C-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>F-3D-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-1C-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-2A-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-2B-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-2C-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-3A-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-3B-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>G-3D-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>H-1A-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>H-1B-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>H-1C-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr><tr><td>H-1D-P</td><td>STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES</td></tr></table>						RES-1	TOLAY A (S39A) RESERVOIR	RES-2	TOLAY C (S39C) RESERVOIR	RES-3	LAKEVILLE HILLSIDE (L-2A) RESERVOIR	RES-4	SEARS POINT (SP-1) RESERVOIR	RES-5	ADOBE ROAD (AD-1B) RESERVOIR	RES-6	TWO ROCK (T6-A) RESERVOIR	RES-7	BLOOMFIELD (B1-A) RESERVOIR	RES-8	VALLEY FORD (V-4), CARROLL ROAD(V-7) RESERVOIRS	RES-9	HUNTLEY (T-1) RESERVOIR	RES-10	RESERVOIR TYPICAL CROSS SECTIONS	RES-11	RESERVOIR STORAGE ELEVATION CURVES - WEST COUNTY RESERVOIRS	RES-12	RESERVOIR STORAGE ELEVATION CURVES - SOUTH COUNTY RESERVOIRS	E-2A-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	E-2C-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	E-2D-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	E-3B-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	E-3D-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-2A-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-2B-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-2C-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-2D-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-3B-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-3C-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	F-3D-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-1C-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-2A-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-2B-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-2C-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-3A-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-3B-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	G-3D-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	H-1A-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	H-1B-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	H-1C-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	H-1D-P	STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES	<div>PIPELINE ALIGNMENT MAPS (CONT.)</div> <table><tr><td>PA-1</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr><tr><td>PA-2</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr><tr><td>PA-3</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr><tr><td>PA-4</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr><tr><td>PA-5</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr><tr><td>PA-6</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr><tr><td>PA-7</td><td>GEYSERS ALTERNATIVE PIPELINE ALIGNMENT</td></tr></table> <div>GEYSERS DISTRIBUTION PIPELINE MAPS</div> <div>DESCRIPTION: SHEETS THAT DISPLAY DISTRIBUTION PIPELINES TO GEYSERS STEAMFIELD RECHARGE WELLS. OVERLAID ON USGS BASE MAP. SCALE 1"=200'.</div> <table><tr><td>WW-1</td><td>STEAMFIELD DISTRIBUTION PIPING INDEX SHEET</td></tr><tr><td>WW-2</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-3</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-4</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-5</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-6</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-7</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-8</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-9</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-10</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-11</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-12</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-13</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr><tr><td>WW-14</td><td>STEAMFIELD DISTRIBUTION PIPING</td></tr></table>						PA-1	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	PA-2	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	PA-3	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	PA-4	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	PA-5	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	PA-6	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	PA-7	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT	WW-1	STEAMFIELD DISTRIBUTION PIPING INDEX SHEET	WW-2	STEAMFIELD DISTRIBUTION PIPING	WW-3	STEAMFIELD DISTRIBUTION PIPING	WW-4	STEAMFIELD DISTRIBUTION PIPING	WW-5	STEAMFIELD DISTRIBUTION PIPING	WW-6	STEAMFIELD DISTRIBUTION PIPING	WW-7	STEAMFIELD DISTRIBUTION PIPING	WW-8	STEAMFIELD DISTRIBUTION PIPING	WW-9	STEAMFIELD DISTRIBUTION PIPING	WW-10	STEAMFIELD DISTRIBUTION PIPING	WW-11	STEAMFIELD DISTRIBUTION PIPING	WW-12	STEAMFIELD DISTRIBUTION PIPING	WW-13	STEAMFIELD DISTRIBUTION PIPING	WW-14	STEAMFIELD DISTRIBUTION PIPING
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PA-1	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
PA-2	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
PA-3	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
PA-4	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
PA-5	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
PA-6	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
PA-7	GEYSERS ALTERNATIVE PIPELINE ALIGNMENT																																																																																																																																																																																																
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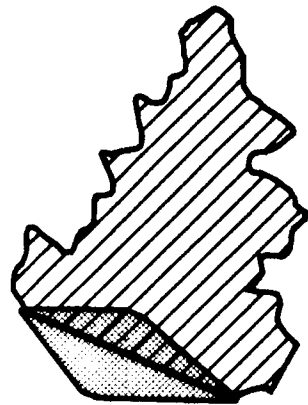


				PROJECT NO. 723129		DATE		HARLAND BARTHOLOMEW AND ASSOCIATES		SANTA ROSA		8000' 0 8000' 16000'		SCALE: 1" = 8000'		SHEET INDEX MAP		SCALE 1" = 8000'	
				DESIGNED BY: L. FLUKER		8/95		PARSONS ENGINEERING SCIENCE		SUBREGIONAL LONG-TERM								SHEET NO.	
				DRAWN BY: L. FLUKER		8/95				WASTEWATER PROJECT								GEN-3	
NO. DATE REVISIONS BY				CHECKED BY: J. TRISLER		8/95		PARSONS										SHEET OF	

AUG 30, 1995 - 10:59:14 C:\ENG_DWG\GEN-2

PROJECT COMPONENT AREAS

1000', 2000', & 6000' SCALE MAPS



RESERVOIR STORAGE AND DAM UNDER STUDY



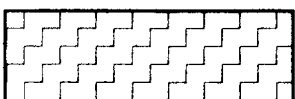
EXISTING RESERVOIR OR POND STORAGE



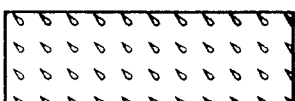
AGRICULTURAL IRRIGATION AREA UNDER STUDY



AGRICULTURAL IRRIGATION AREA UNDER STUDY



EXISTING IRRIGATION AREA



URBAN IRRIGATION AREA UNDER STUDY



PUMP STATION UNDER STUDY



RUSSIAN RIVER DISCHARGE UNDER STUDY



EXISTING LAGUNA DISCHARGE



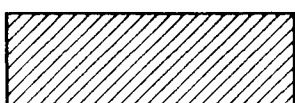
ELECTRICAL SUBSTATION UNDER STUDY

PROJECT COMPONENT AREAS

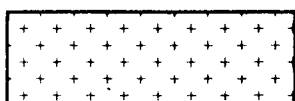
500' SCALE RESERVOIR MAPS



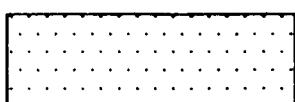
DAM UNDER STUDY



POTENTIAL JURISDICTIONAL WETLAND



PRIOR CONVERTED CROPLAND (PC)
(FORMER WETLAND ALTERED PRIOR TO 12/23/85)



MANMADE IMPOUNDMENTS

NOTES:

TYPE 1 STREAM CROSSING IS BURIED PIPELINE CONSTRUCTION USING BORE AND JACK OR TUNNELING TECHNIQUE.

TYPE 2 STREAM CROSSING IS EXPOSED PIPELINE CROSSING USING PIPE SUSPENDED FROM EXISTING BRIDGE.

PIPELINES AND BOUNDARIES

1000', 2000', & 6000' SCALE MAPS



RECLAIMED WATER STORAGE TRANSMISSION PIPELINE UNDER STUDY



RECLAIMED WATER IRRIGATION DISTRIBUTION PIPELINE UNDER STUDY



EXISTING RECLAIMED WATER PIPELINE



GEYSERS RECHARGE AREA BOUNDARY



AQUIFER STORAGE AND RECOVERY
AREA BOUNDARY



SUBALTERNATIVE IRRIGATION AREA BOUNDARY

PIPELINES AND BOUNDARIES

500' SCALE RESERVOIR MAPS



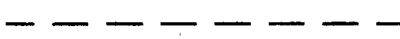
RECLAIMED WATER PIPELINE UNDER STUDY



RESERVOIR MAXIMUM WATER SURFACE



WATERSHED BOUNDARY



OTHER WATERS OF THE U.S.; IE, DRAINAGES



EXISTING ACCESS ROAD



ACCESS ROAD UNDER STUDY



ACCESS ROAD WITH RECLAIMED WATER PIPELINE
UNDER STUDY



EXISTING ACCESS ROAD WITH RECLAIMED WATER
PIPELINE



CONSTRUCTION ZONE BOUNDARY



EXISTING ELECTRICAL DISTRIBUTION OR TRANSMISSION



EXISTING ELECTRICAL DISTRIBUTION REMOVED



ELECTRICAL SERVICE TO PUMP STATION, AERIAL



ELECTRICAL SERVICE TO PUMP STATION, BURIED

ABBREVIATIONS

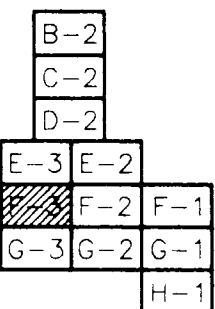
AF	ACRE – FEET
MG	MILLION GALLONS
TYP	TYPICAL
EL.	ELEVATION
EXIST.	EXISTING
WWTP	WASTEWATER TREATMENT PLANT

IRRIGATION SUITABILITY LAND CLASSIFICATION
SYMBOLS AND ABBREVIATIONS

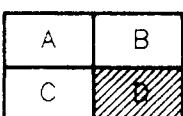
REFER TO SHEET A-1-I

SHEET INDICES AND NUMBERING SYSTEM

THE ENTIRE PROJECT AREA IS SHOWN ON THE SHEET INDEX MAP (GEN-3). SHEETS AT 2000' SCALE MAY BE LOCATED ACCORDING TO THE SHEET INDEX MAP, WHERE ROWS ARE LETTERED AND COLUMNS ARE NUMBERED. FOR EXAMPLE, SHEET F-3 IS LOCATED ON THE INDEX MAP IN ROW F AND COLUMN 3.



MAPS AT 2000' SCALE ARE FURTHER SUBDIVIDED INTO QUADRANTS AT 1000' SCALE AS FOLLOWS:



USING F-3 AS AN EXAMPLE, THE 1000' SCALE SHEET FOR QUADRANT D WOULD BE NUMBERED F-3D.

ADDITIONAL NOTATION IS PROVIDED TO DISTINGUISH BETWEEN 1000' SCALE SHEETS FOR STORAGE TRANSMISSION AND IRRIGATION DISTRIBUTION PIPELINES (P) AND FOR IRRIGATION SUITABILITY LAND CLASSIFICATION (I). FOR EXAMPLE, THE 1000' SCALE SHEET WHICH SHOWS TRANSMISSION AND DISTRIBUTION PIPELINES IN QUADRANT D OF MAP F-3 WOULD BE NUMBERED F-3D-P. THE SHEET WHICH SHOWS IRRIGATION SUITABILITY LAND CLASSIFICATION IN QUADRANT D OF MAP F-3 WOULD BE NUMBERED F-3D-I.

PROJECT NO.	723129	DATE	
DESIGNED BY:	J. HAKE	8/95	
DRAWN BY:	A. REYES, L. FLUKER	8/95	
CHECKED BY:	R. MAURER	8/95	
NO.	DATE	REVISIONS	BY

HARLAND BARTHOLOMEW AND ASSOCIATES
PARSONS ENGINEERING SCIENCE



PARSONS

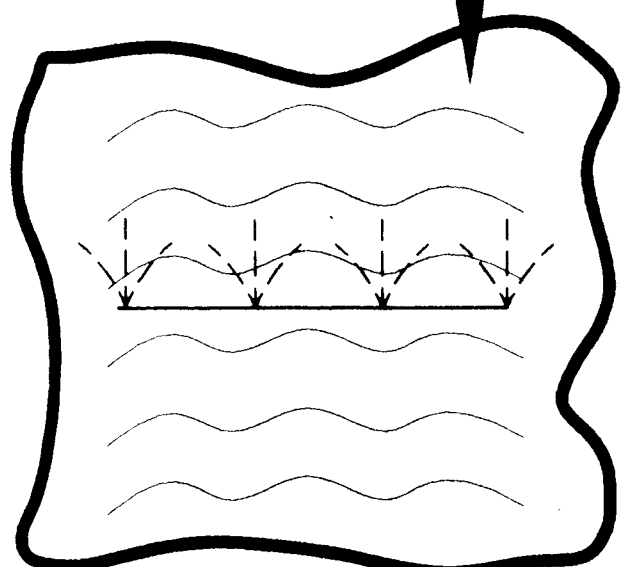
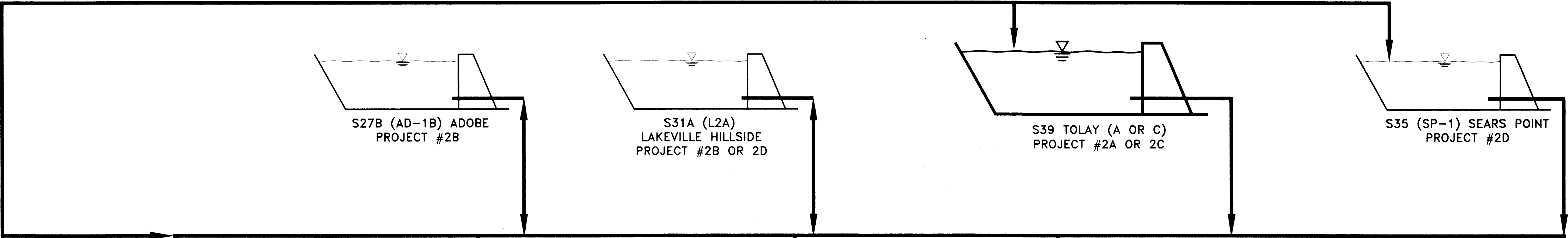
OFFICES IN PRINCIPAL CITIES

SANTA ROSA
SUBREGIONAL LONG-TERM
WASTEWATER PROJECT

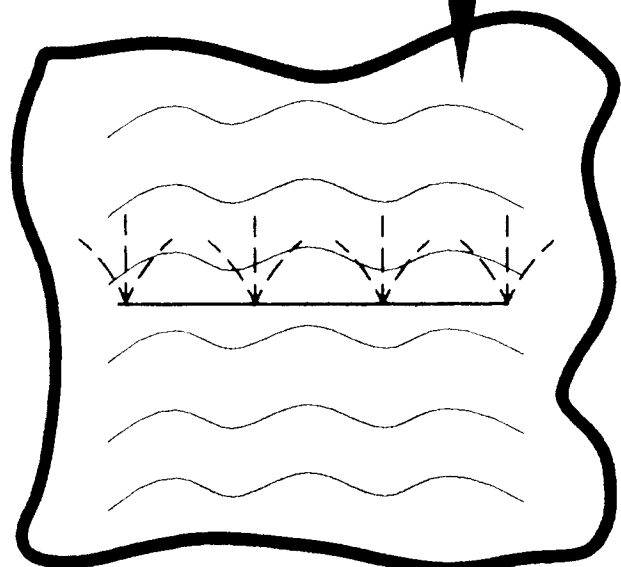
GENERAL SYMBOLS
AND ABBREVIATIONS

SCALE	NONE
SHEET NO.	GEN-4
SHEET	OF

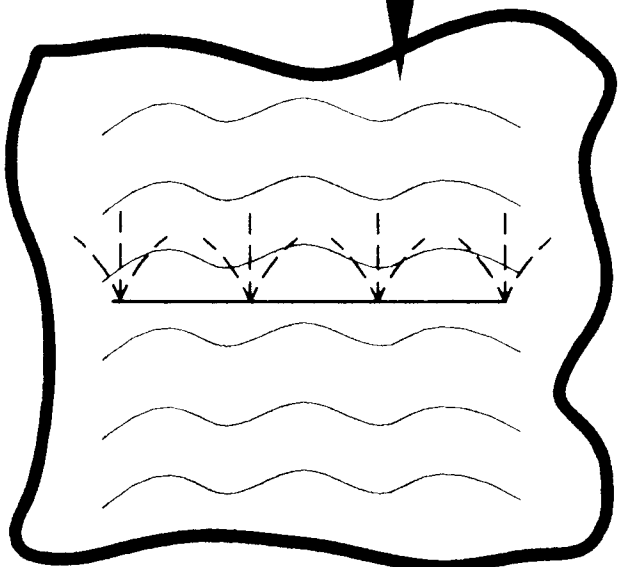
STORAGE RESERVOIRS



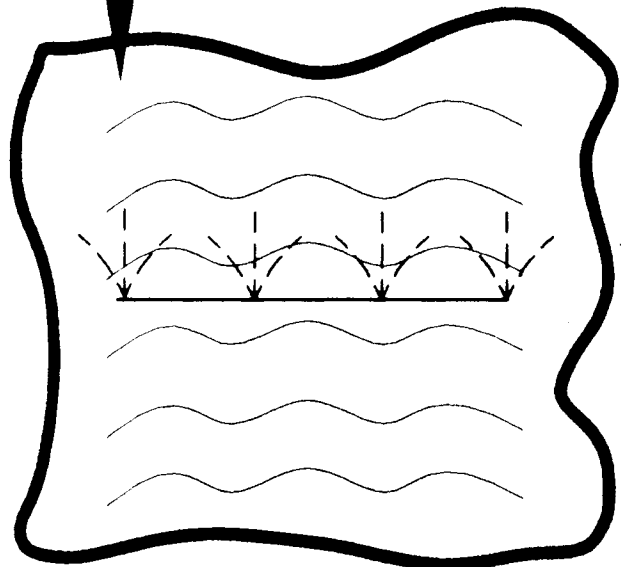
EAST OF ROHNERT PARK



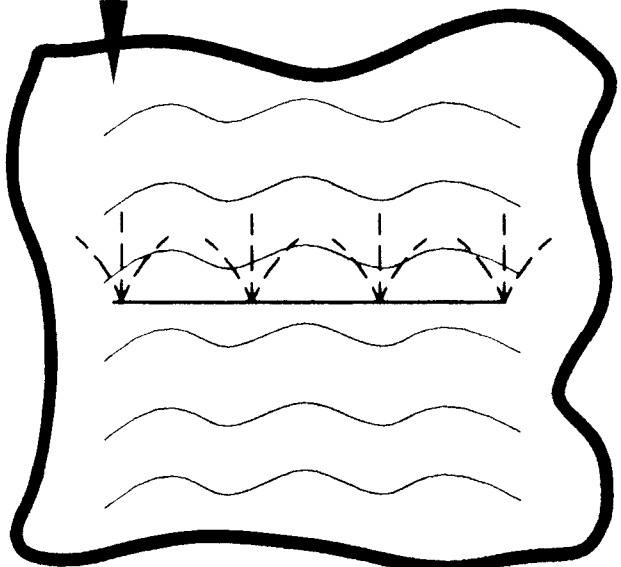
NORTH PETALUMA VALLEY



ADOBE ROAD

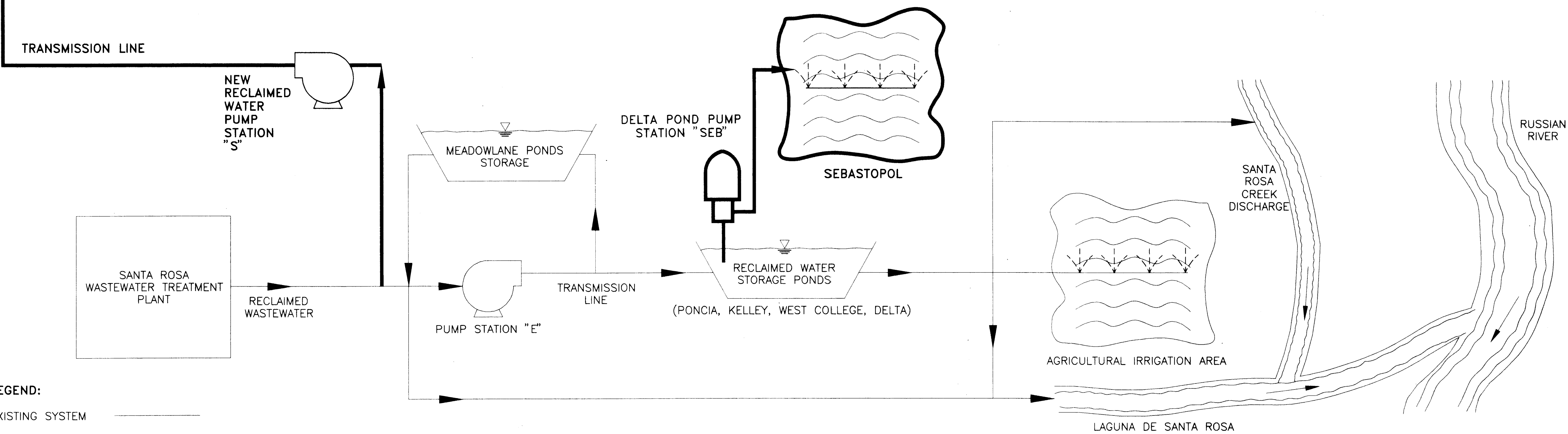


LAKEVILLE



BAYFLATS

AGRICULTURAL IRRIGATION AREAS



LEGEND:

EXISTING SYSTEM

PROPOSED SYSTEM

PROJECT NO.	723129	DATE	
DESIGNED BY:	J. HAKE	8/95	
DRAWN BY:	L. FLUKER, S. TRETBAR	8/95	
CHECKED BY:	R. MAURER	8/95	
NO.	DATE	REVISIONS	BY

HARLAND BARTHOLOMEW AND ASSOCIATES
PARSONS ENGINEERING SCIENCE



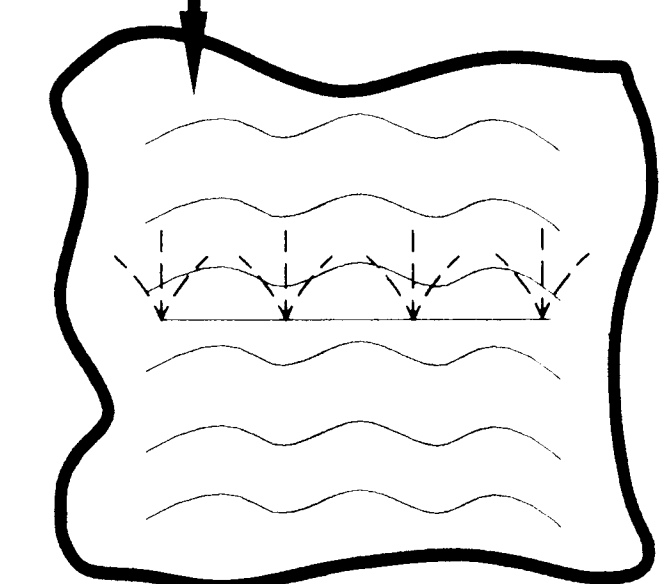
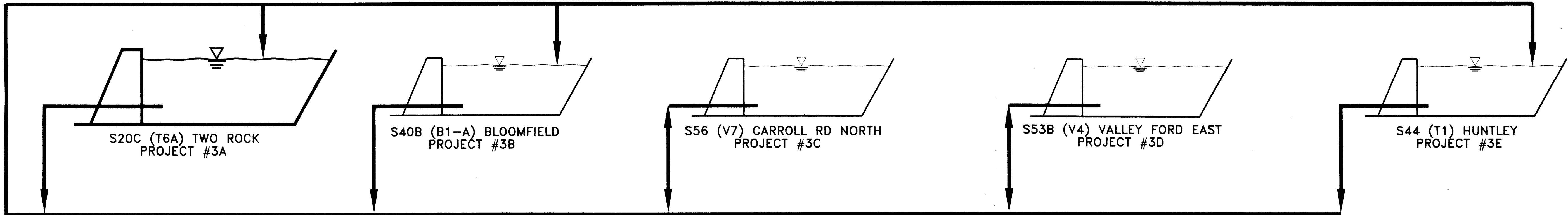
OFFICES IN PRINCIPAL CITIES

SANTA ROSA
SUBREGIONAL LONG-TERM
WASTEWATER PROJECT

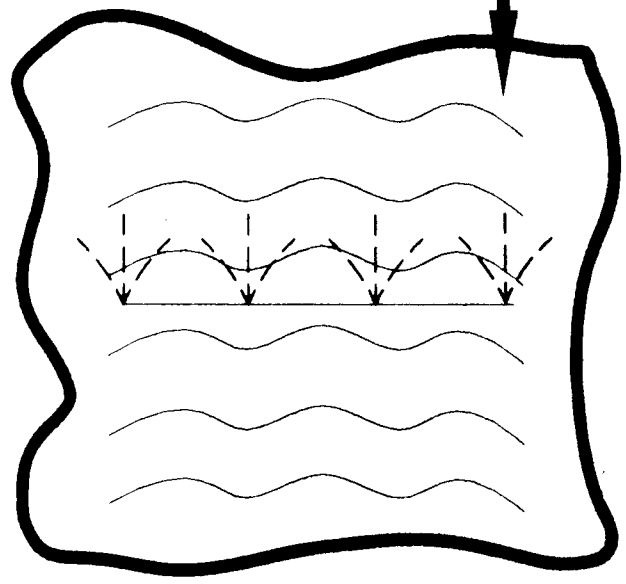
ALTERNATIVE #2
SOUTH COUNTY RECLAMATION
SCHEMATIC DIAGRAM

SCALE NONE
SHEET NO. GEN-5
SHEET OF

RESERVOIR STORAGE

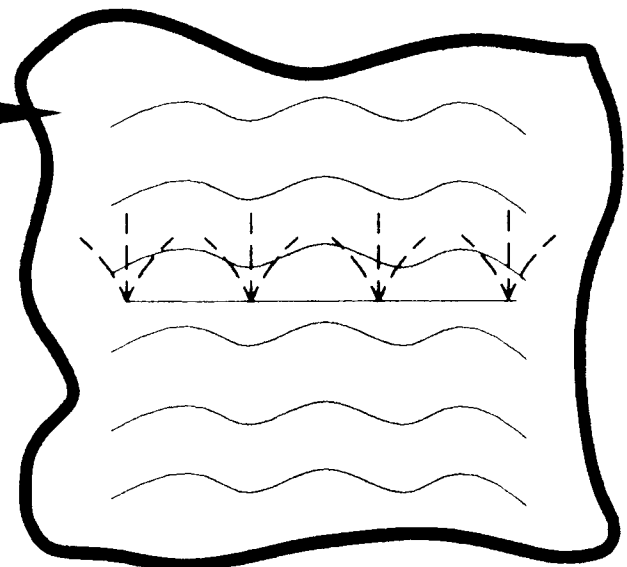


AMERICANO CREEK WATERSHED

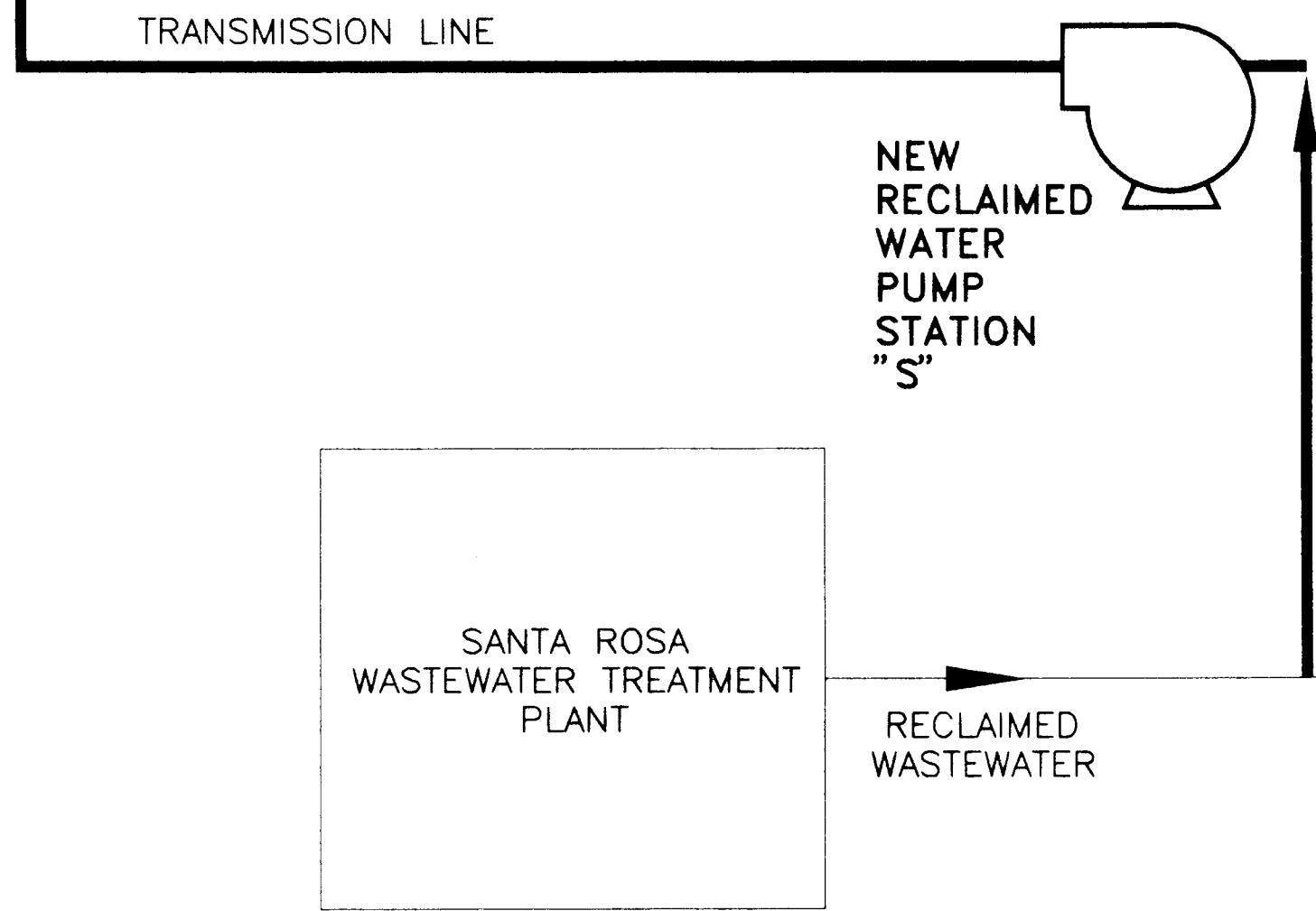


STEMPLE CREEK WATERSHED

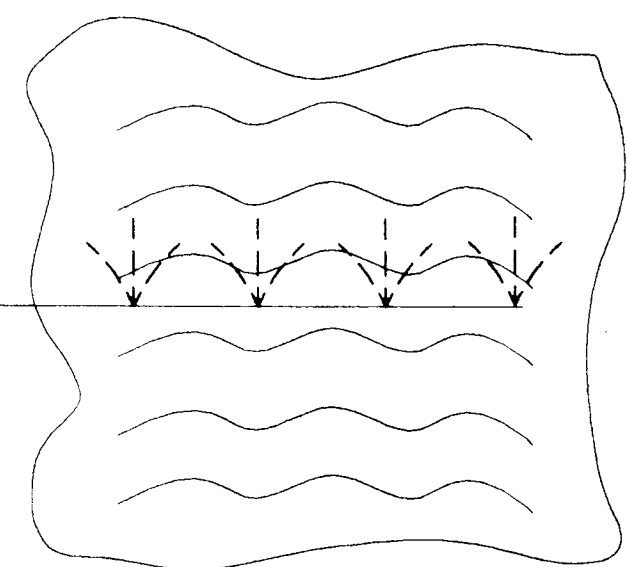
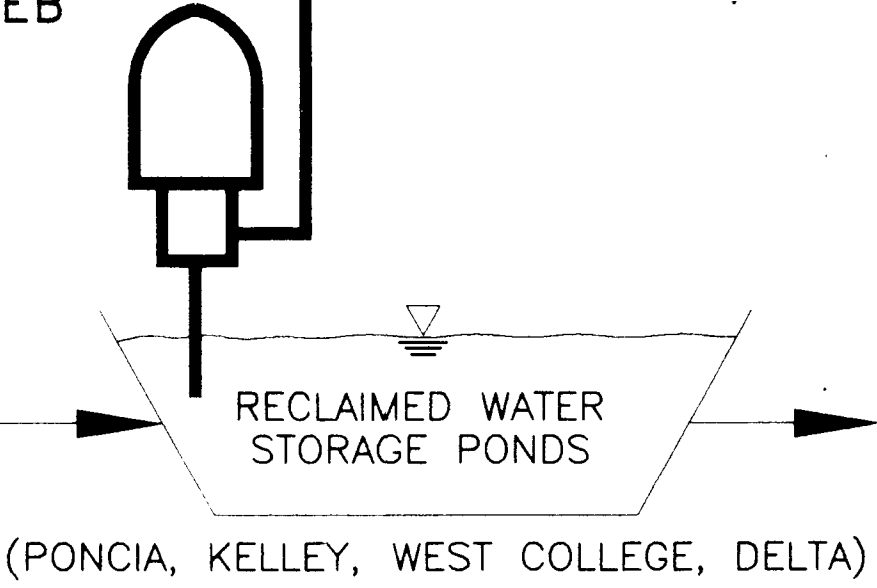
AGRICULTURAL IRRIGATION AREAS



SEBASTOPOL



DELTA POND PUMP STATION "SEB"



AGRICULTURAL IRRIGATION AREA

SANTA ROSA CREEK DISCHARGE

RUSSIAN RIVER

LAGUNA DE SANTA ROSA

LEGEND:
EXISTING SYSTEM
PROPOSED SYSTEM

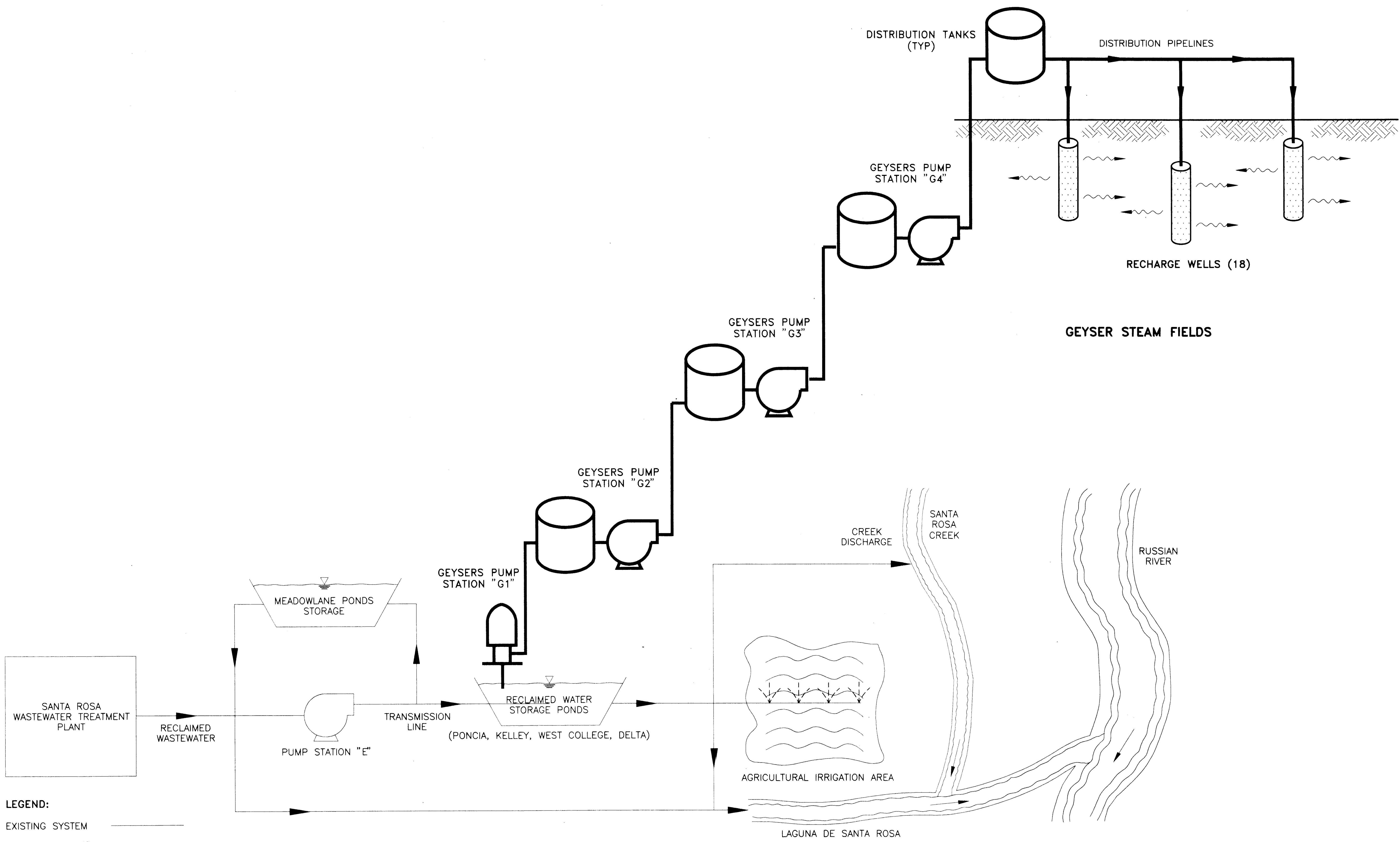
PROJECT NO.	723129	DATE	
DESIGNED BY:	J. HAKE	8/95	
DRAWN BY:	L. FLUKER, S. TRETBAR	8/95	
CHECKED BY:	R. MAURER	8/95	
NO.	DATE	REVISIONS	BY

HARLAND BARTHOLOMEW AND ASSOCIATES
PARSONS ENGINEERING SCIENCE
 PARSONS
OFFICES IN PRINCIPAL CITIES

SANTA ROSA
SUBREGIONAL LONG-TERM
WASTEWATER PROJECT


ALTERNATIVE #3
WEST COUNTY RECLAMATION
SCHEMATIC DIAGRAM

SCALE NONE
SHEET NO. GEN-6
SHEET OF



LEGEND:
EXISTING SYSTEM _____
PROPOSED SYSTEM - - - - -

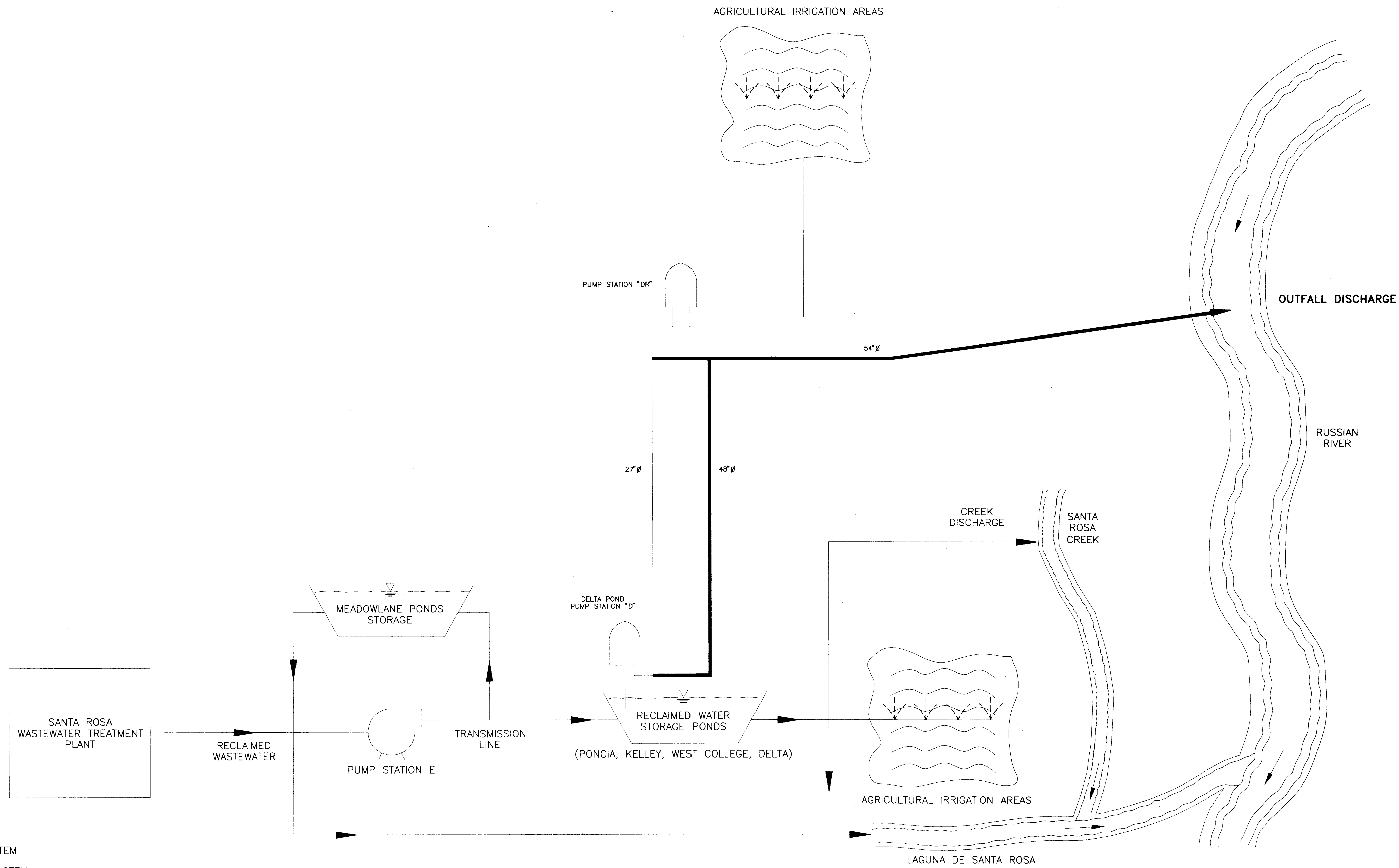
		PROJECT NO.	723129	DATE	
		DESIGNED BY:	J. HAKE	8/95	
		DRAWN BY:	A. REYES, S. TRETBAR	8/95	
NO.	DATE	REVISIONS	BY	CHECKED BY:	R. MAURER
					8/95

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PARSONS ENGINEERING SCIENCE
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SANTA ROSA
SUBREGIONAL LONG-TERM
WASTEWATER PROJECT

ALTERNATIVE #4
GEYSERS RECHARGE
SCHEMATIC DIAGRAM

SCALE	NONE
SHEET NO	GEN-7
SHEET	OF



LEGEND:

EXISTING SYSTEM _____

PROPOSED SYSTEM **—————**

PROJECT NO.	723129	DATE	
DESIGNED BY:	J. HAKE	8/95	
DRAWN BY:	L. FLUKER, S. TRETBAR	8/95	
CHECKED BY:	R. MAURER	8/95	
NO.	DATE	REVISIONS	BY

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PARSONS ENGINEERING SCIENCE

PARSONS

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**SANTA ROSA
SUBREGIONAL LONG-TERM
WASTEWATER PROJECT**

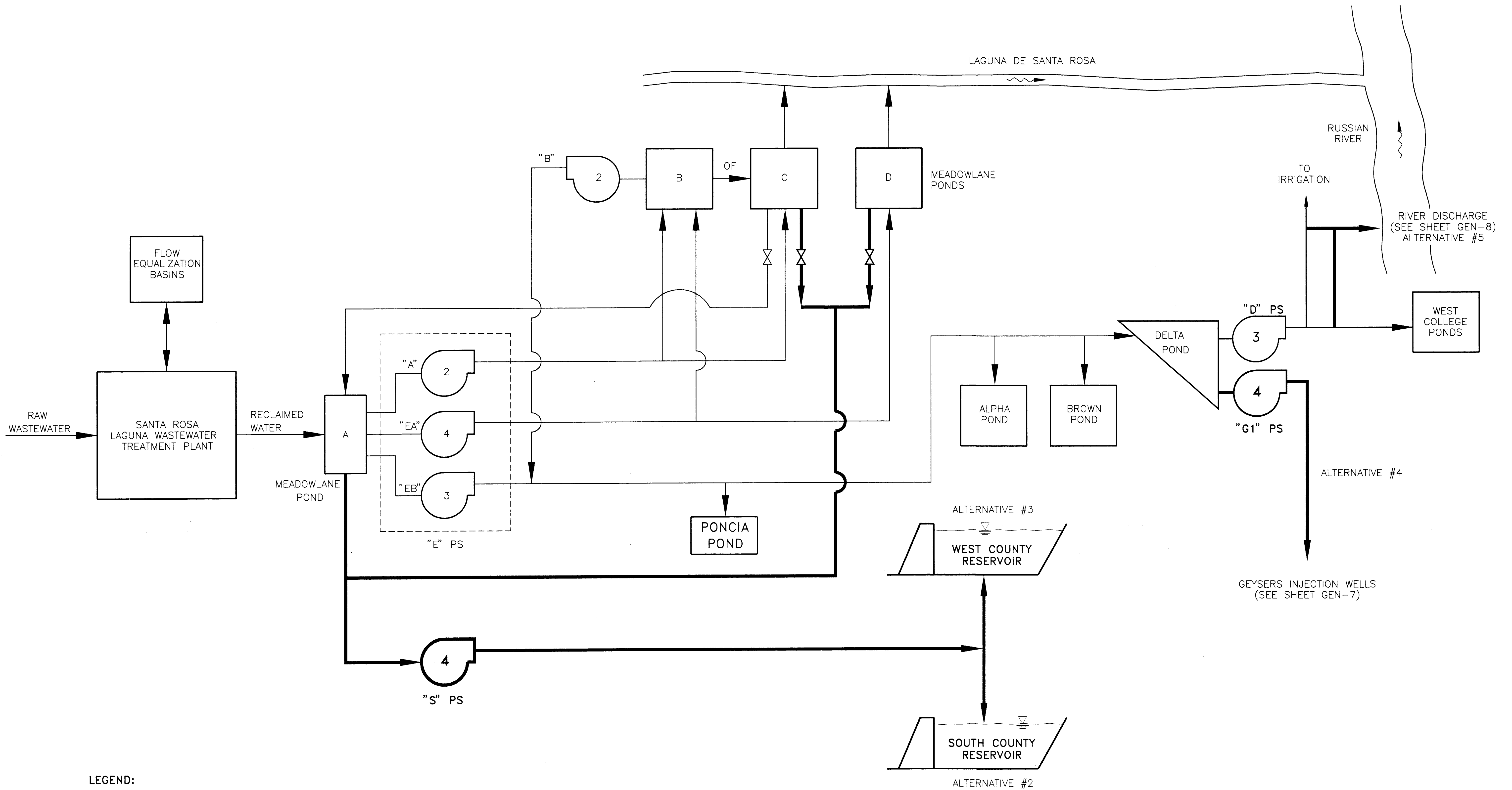
**ALTERNATIVE #5
20% MAXIMUM RUSSIAN RIVER DISCHARGE**

SCHEMATIC DIAGRAM

SCALE: NONE

SHEET NO: **GEN-8**

SHEET OF



LEGEND:

EXISTING SYSTEM _____

PROPOSED SYSTEM _____

PROJECT NO.	723129	DATE	
DESIGNED BY:	R. MAURER	8/95	
DRAWN BY:	L. FLUKER, S. TRETBAR	8/95	
CHECKED BY:	R. MAURER	8/95	
NO.	DATE	REVISIONS	BY

HARLAND BARTHOLOMEW AND ASSOCIATES
PARSONS ENGINEERING SCIENCE



OFFICES IN PRINCIPAL CITIES

SANTA ROSA
SUBREGIONAL LONG-TERM
WASTEWATER PROJECT

SANTA ROSA LAGUNA WWTP

RECLAIMED WATER PUMPING SYSTEM SCHEMATIC

SCALE	NONE
SHEET NO.	GEN-9
SHEET	OF