

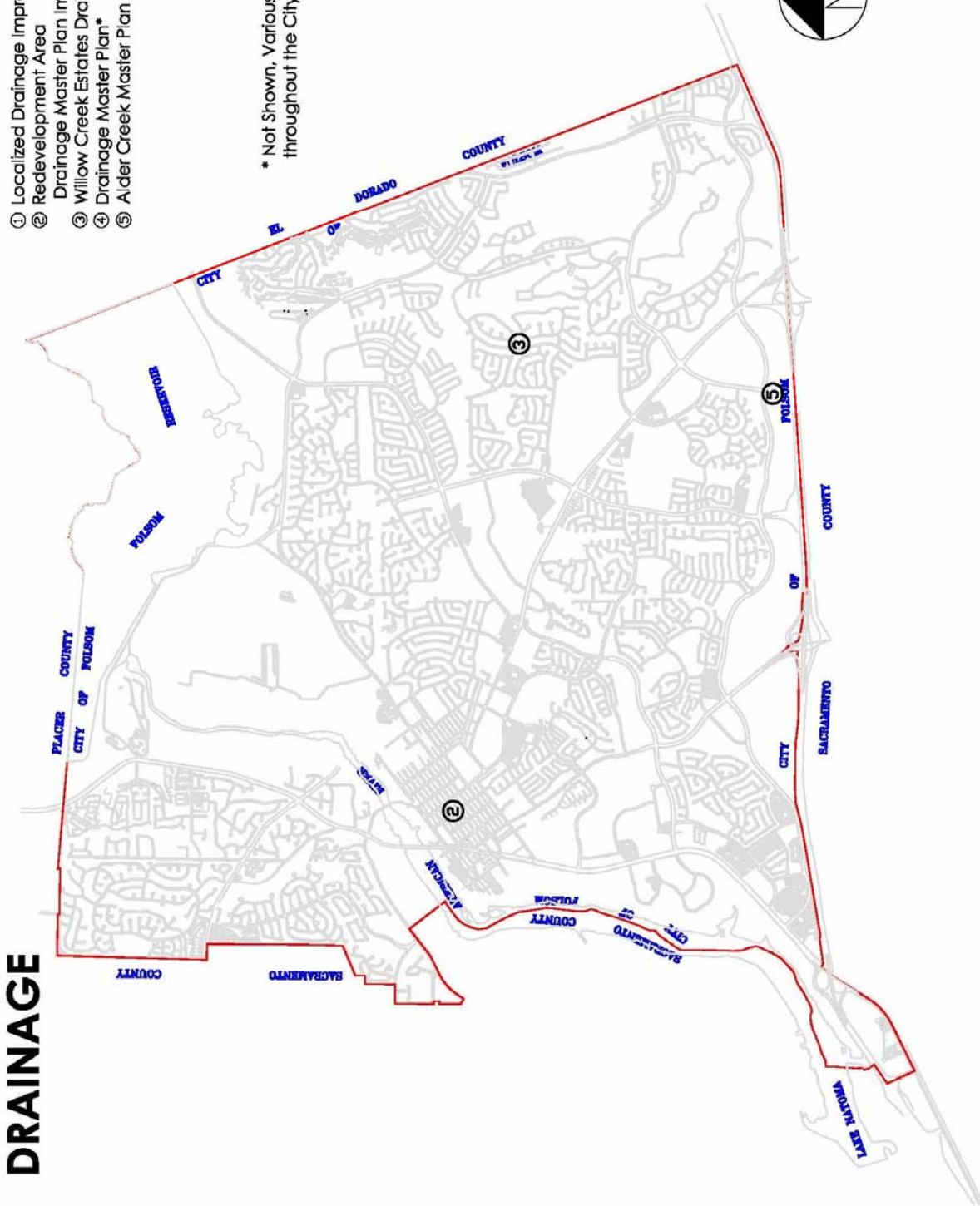
Drainage

Map	46
Project Summaries	47
Alder Creek Master Plan.....	48
Drainage Master Plan.....	50
Localized Drainage Improvements	52
Redevelopment Area Drainage Master Plan / Improvements.....	54
Willow Creek Estates Drainage	56



- ① Localized Drainage Improvements*
- ② Redevelopment Area
- ③ Drainage Master Plan Imprv
- ④ Willow Creek Estates Drainage
- ⑤ Drainage Master Plan*
- ⑥ Alder Creek Master Plan

* Not Shown, Various Locations throughout the City



DRAINAGE



Project Cost Summary

Implementation Total All Projects, All Budgeted Costs

The table illustrates the Fiscal Year in which the funds will be spent.

Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013	Total
4,093,235	2,335,000	240,000	1,450,000	-	-	-	8,118,235

Total All Projects, All Budgeted Costs

The table below illustrates the total project costs, indicating the total budget for all projects planned in the current year, or in the year the project commences.

Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013	Total
8,118,235	-	-	-	-	-	-	8,118,235

Project Operating Impact Summary

Total All Projects (Expenditures minus Revenues)

Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
-	-	-	-	-	-	-



- Project Name:** Alder Creek Master Plan
- Project Number:** 2003
- Project Contact:** Public Works ~ pwdept@folsom.ca.us
- Project Description:** The project entails using an interest-based, stakeholder-driven approach to conduct a watershed assessment and prepare a watershed management plan for the 11-square mile Alder Creek Watershed. A major portion of the watershed is located within the existing City limits north of Hwy 50 and the Sphere of Influence (SOI) area south of Hwy 50. The vision is a protected, healthy creek and riparian corridor with recreational, educational and interpretive opportunities for existing and future community residents and local schools.
- Justification:** This project is related to the City's Municipal Stormwater Permit by addressing the requirement to incorporate water quality and watershed protection principles into planning procedures and policies. The project will result in a watershed management plan which becomes a "blueprint" for long-term protection of the Alder Creek Watershed, data that characterizes existing conditions of the creek system, recommended policies, programs and projects that will contribute to improved water quality.
- Relationship to other CIP:** This project is related to the Drainage Master Planning CIP, they are not dependent on one another, but rather they do provide additional information for each other.
- Alternatives:** Do nothing and not have a planning tool for protection of the Alder Creek Watershed.
- Project Update / Progress Report:** The Grant Agreement was executed in 8/06, consultant agreements were put in place 12/06 and work began 1/07.
- Relationship to General Plan or other adopted plan:** The Folsom General Plan contains many goals and policies directed towards the Sphere of Influence. This project helps to meet some of those planning goals.



Alder Creek Master Plan

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	Total
General Obligation Bonds							-
Revenue Bonds							-
COP's							-
Redevelopment							-
Enterprise							-
Loans/Grants	130,000						130,000
Impact Fees		10,000					10,000
Pay-Go							-
Other							-
Total	130,000	10,000	-	-	-	-	140,000

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	Total
Land/ROW							-
Environmental							-
Plan Check							-
Design	130,000	10,000					140,000
Construction							-
Inspection							-
Project Management							-
Materials Testing							-
Construction Staking							-
Other							-
Contingencies							-
Total	130,000	10,000	-	-	-	-	140,000

Operating Impact

Net Operating Effect:

	Prior Years	FY2007-2008	FY 2008-2009	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013
Net Operating Effect		-	-	-	-	-	-



Project Name:	Drainage Master Plan
Project Number:	2416
Project Contact:	Public Works ~ pwdept@folsom.ca.us
Project Description:	Conduct a citywide drainage study, incorporating existing and proposed studies in the area of the Historic District, Willow Creek, etc. The study will result in the recommendation of appropriate solutions to citywide drainage issues. The project will continue with the identification of required maintenance for both system integrity and NPDES permit compliance, as well as prioritization of necessary improvements.
Justification:	The City does not currently have a comprehensive drainage plan that covers maintenance, improvements, and NPDES permit compliance. This project will consolidate existing and proposed studies. It will become a tool for improving the storm drainage system maintenance program, and will thereby improve drainage and stormwater quality.
Relationship to other CIP:	This project will incorporate the Redevelopment Area Drainage Improvements (Project No. 2203). It will also provide information that will aid in the development of the stormwater program funding (Project 2414).
Alternatives:	Do nothing and have possible drainage capacity and water quality issues from stormwater.
Project Update / Progress Report:	During FY 07-08, work will continue on assessment of the City's detention basins and development of an O&M plan. In FY 07-08 a contract will be put in place for engineering services to conduct a drainage analysis with in the Alder Creek watershed.
Relationship to General Plan or other adopted plan:	The project will incorporate the Redevelopment Area Drainage Master Plan and the Willow Creek and Humbug Creek Master Plan.



Drainage Master Plan

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise								-
Loans/Grants								-
Impact Fees	60,144	100,000						160,144
Pay-Go								-
Other								-
Total	60,144	100,000	-	-	-	-	-	160,144

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design								-
Construction								-
Inspection								-
Project Management								-
Materials Testing								-
Construction Staking								-
Other	60,144	100,000						160,144
Contingencies								-
Total	60,144	100,000	-	-	-	-	-	160,144

Operating Impact

Net Operating Effect:

	Prior Years	FY2007-2008	FY 2008-2009	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013
Net Operating Effect		-	-	-	-	-	-



<i>Project Name:</i>	Localized Drainage Improvements
<i>Project Number:</i>	7010
<i>Project Contact:</i>	Public Works ~ pwdept@folsom.ca.us
<i>Project Description:</i>	Construct various minor drainage improvements throughout the city, including replacement or addition of drain inlets, drain pipes, manholes, swales, and appurtenances.
<i>Justification:</i>	Prevent street flooding and erosion of existing roadways.
<i>Relationship to other CIP:</i>	None, this project is independent of other CIPs.
<i>Alternatives:</i>	None
<i>Project Update / Progress Report:</i>	Several improvements have been made to various facilities as deficiencies or unanticipated failures are identified.
<i>Relationship to General Plan or other adopted plan:</i>	None



Localized Drainage Improvements

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise						-	-	-
Loans/Grants	870							870
Impact Fees	2,033,020	125,000	150,000	150,000				2,458,020
Pay-Go								-
Other								-
Total	2,033,890	125,000	150,000	150,000	-	-	-	2,458,890

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design								-
Construction	52,522	125,000	150,000	150,000				477,522
Inspection								-
Project Management								-
Materials Testing								-
Construction Staking								-
Other	1,981,368							1,981,368
Contingencies								-
Total	2,033,890	125,000	150,000	150,000	-	-	-	2,458,890

Operating Impact

Net Operating Effect:

	Prior Years	FY2007-2008	FY 2008-2009	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013
Net Operating Effect		-	-	-	-	-	-



- Project Name:** **Redevelopment Area Drainage Improvements**
- Project Number:** 2203
- Project Contact:** Public Works ~ pwdept@folsom.ca.us
- Project Description:** This project is the result of a review and analysis of the drainage system within the Redevelopment Area. As a result, a variety of deficient areas have been identified and a rehabilitation/implementation plan has been created. The intent now is to carry out the recommendations. This year's plan is to construct storm drain improvements along Bidwell Street near Sibley Street.
- Justification:** To improve the overall drainage and water quality within the Redevelopment Area and reduce localized flooding.
- Relationship to other CIP:** The City is proposing the formation of a comprehensive Drainage Master Plan. The improvements that are part of this rehabilitation plan will be incorporated into the Master Plan.
- Alternatives:** During the design phase, improvement alternatives will be considered. Another alternative is to do nothing and continue with ongoing localized flooding and possible water quality issues.
- Project Update / Progress Report:** During FY 06-07 final design of the improvements was completed. In FY 07-08 a construction contract will be put in place to construct the improvements. Construction will be completed in FY 07-08.
- Relationship to General Plan or other adopted plan:** These improvements will be consistent with the Redevelopment Area Drainage Master Plan.



Redevelopment Area Drainage Improvements

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise								-
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other	241,802	1,300,000	90,000	1,300,000				2,931,802
Total	241,802	1,300,000	90,000	1,300,000	-	-	-	2,931,802

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	90,000		90,000					180,000
Construction		1,300,000		1,300,000				2,600,000
Inspection								-
Project Management								-
Materials Testing								-
Construction Staking								-
Other	151,802							151,802
Contingencies								-
Total	241,802	1,300,000	90,000	1,300,000	-	-	-	2,931,802

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007-2008	FY 2008-2009	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013
Net Operating Effect		-	-	-	-	-	-



Project Name:	Willow Creek Estates Drainage
Project Number:	2502
Project Contact:	Public Works ~ pwdept@folsom.ca.us
Project Description:	This project provides technical data gathering on drainage system failures experienced in the Willow Creek Estates South subdivision that utilized aluminum pipe. Once the problem is identified, projects to repair, replace and/or rehabilitate the system will be completed.
Justification:	This project is needed to prevent road failures due to failure of the large drainage pipes. Flooding in the area is a potential impact due to system failure. Without correction, the potential for property damage and/or personal injury may be significant due to flooding and severe road failures.
Relationship to other CIP:	None.
Alternatives:	If no action is taken, road failure could occur. The study will determine alternative courses of action based on need, engineering judgment, and economics.
Project Update / Progress Reports:	Immediate repairs were made in Phase I of this project, to address acute pipe failures along Prewett Drive. For Phase II, a more comprehensive approach will be taken. The initial project investigation and analyses for Phase II have been completed. Further investigation is still needed to determine the total extent of the failures of the drainage system in this area. The proposed Storm Drain Rehabilitation Plan includes proposed immediate remedies to repair the failed sections of the system as well as future improvements to rehabilitate the storm drainage system.
Relationship to General Plan or other adopted plan:	There is currently no Drainage Master Plan for this area.



Willow Creek Estates Drainage

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
Gen Fund								-
Redevelopment								-
Enterprise								-
Loans/Grants								-
Impact Fees	1,429,017	305,000	-					1,734,017
Gas Tax	198,382	400,000						598,382
Other		95,000						95,000
Total	1,627,399	800,000	-	-	-	-	-	2,427,399

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	50,000							50,000
Construction	1,341,509	800,000						2,141,509
Inspection								-
Project Management	70,000							70,000
Materials Testing								-
Construction Staking								-
Other	65,414							65,414
Contingencies	100,476							100,476
Total	1,627,399	800,000	-	-	-	-	-	2,427,399

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007-2008	FY 2008-2009	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013
Net Operating Effect	-	-	2,500	2,500	2,500		-



