City of Redwood City
Storm Drain System
Overview

February 18, 2009

Community Development:
Engineering and Construction
INTRODUCTION

The City is divided into several major storm water drainage areas:

• Redwood Creek Drainage Area
• Cordilleras Creek Drainage Area
• Southeastern Area - Bayfront Canal
• Redwood Shores
STORM SYSTEM INVENTORY

• 22 Pump Stations
• 2,685 storm drain catch basins
• 170 siphon storm drain catch basins
• Over 100 miles of storm drain pipe
• Over 10 miles of creeks
• 150 acres of storm retention basin in Redwood Shores
WHAT WE HAVE DONE RECENTLY

• Friendly Acres Area Storm Drain Improvements-Phase I
  Along Fifth Avenue - from Broadway to Rolison Road
  Along Hoover - From Second Avenue to Eight Avenue
• Friendly Acres Area Storm Drain Improvements-Phase II

Micro tunneling Project along Highway 101 from Rolison Road to Harbor Village Mobile Homes Park, to transport storm water underneath Route 101
• 2003-2004 Storm Drain Improvements Project

Fifth Avenue to Page to Eighth Avenue
Garrett Park Culvert Improvement Project
AFTER
Redwood Creek Channel
Concrete Wall - Horizontal Bracing near Lexington Avenue
• **2004-2005 Storm Drain Improvements Project**
  Flynn Avenue
  Scott Avenue to Flynn Avenue to Spring Street
• Veterans Blvd Storm Drain Pump Station - Upgrade Motor Control Center
• Wilson Street Storm Drain Improvement
• Lagoon Intake Replacement Project
  Improve the lagoon circulation
POSSIBLE FUTURE PROJECTS

- Create a master plan for Water and Sewer, similar to our Roadway Management Plan
- Address creek walls
- Lagoon Intake Replacement Project
- Bayfront Canal Upgrade
- 5th Avenue Pump Station Upgrade
- Oakwood Area Storm Drain