

City of RPV

Storm Drain User Fee  
Water Quality Flood Protection Program

Spending History

		FY05-06		FY06-07		FY07-08		FY08-09	
Project Name	Project Description	Paid		Paid		Paid		Paid	
<b>Backbone Projects</b>									
McCarrell Canyon	66-inch pipeline to route flow from McCarrel Canyon through Seacove neighborhood following flooding in Feb 2005.			263,556	Design (Harris & Assoc)	1,005,197	Design (Harris \$213,605); Permitting (various agencies \$11,292); CM Svc (Simplus Mgmt \$49,526); Constr. (Cedro Constr. \$730,775)	6,139,888	Constr. (Cedro Construction \$5,618,864, So Cal Ed \$2,128, Ocean Blue Env. \$3,195) Eng/Surv/Geo/Env (Harris & Assoc \$16,757, KDM Meridian \$2,925, Kleinfelder \$208,604, SFC \$4,995)
									CM & Insp (Simplus Mgmt \$241,974); Easement (St. Peter's \$25,000); Landscape Design (Swamp Pink LD \$14,665)
McCarrell Canyon, Tarragon Property Acquisition	Land area required to build inlet structure and overflow system to McCarrell project	903,500	Legal and proprty Svcs \$8,493 (the Souce Group, RWG) land purchase \$900k (LA County Sup Ct)	500,000	property acquisition from Carmiel Cohen				
Sunnyside Ridge	replacement of failed storm drain pipe and construction of new outlet structure at east end of SSR	20,035	Environmental permitting (Helix Env Planners, Inc)	19,660	Prelim engineering and Design (RBF, Group Delta)	377,666	Constr. (GCI Construction \$351,059); CM&Insp (CBM \$26,608)		
Lower San Ramon Canyon Stabilization	54-inch by 4,000-foot drainage diversion pipe from San Ramon Canyon around Tarapaca landslide area to ocean							10,980	Geo Tech Engr (AMEC \$1,870, Zeisler Kling \$9,110)
PVDE Miraleste Canyon System	Various smaller drains discharging to Miraleste Canyon drainage								
PVDE San Pedro Canyon System	Various smaller drains discharging to San Pedro Canyon drainage								
Altamira Canyon Drainage Study	Erosion of natural canyon in Ab Cove n'hood that conveys flows, in part, from public ROW. No easement								
Paintbrush Canyon Drainage Study	Erosion of natural canyon in preserve contributes to landslide instability								
Arterial Drainage at PVDE	Repair or reestablishment of culverts and pipes crossing PVDE. Typically included in point repair project or the PVDE Arterial project								
<b>Pipe Lining</b>									
Storm Drain Lining	Installation of liner in existing pipes in an effort to extend their service life and appurtenance work to complete integrity of system	1,329,492	rehab and lining of Western Ave, Pontevedra, Tarapaca (Psomas \$36,951, Hardy & Harper \$98,280, Sancon Technologies \$923,930, Peterson/Chase \$257,791, other minor amts)	174,723	Lining Monero (\$163,931 Sancon, \$10,792 Charles Abbot Inc)	470,262	Liner Installation (Wesco \$434,832, Sancon \$15,990); CM & Insp (Charles Abbott \$19,440)	652,716	Lining Installation (RePipe-CA \$596,036) CM & Insp (CBM \$48,180) Survey (KDM Meridian \$6,500)
<b>Capacity &amp; Secondary System</b>									
Via Colinita & Roan Projects	Improvements to failing CMP drains on or near PVDE and Via Colinita			111,410	Prelim Engineering & Design (NBCE, Inc.)				
Hawthorne Blvd. (closed FY10-11, re-allocated to the San Pedro Canyon Storm Drain Project)	No project								
PVDE Lower Switchbacks	rehabilitation of inlets, culverts and outlet drainage on Switchbacks. Project wrapped into San Ramon project to use state grant funding								
South Hawthorne/Via Frascati	no project								
Middlecrest Road Project	no project								
PVDS (East of Barkentine)	improvements to drains crossing and south of PVDS at Seacove due to undersizing, corrosion and flooding issues.								
PVDS at Sacred Cove	improvements to drain crossing PVDS dues to land movement								
<b>Filtration Systems</b>									
Catch Basin Filtration Devices	Installation of CB screens in existing basins for water quality regulations			320,000	Installation of ~200 (SMB Watershed Group)			7,490	Replace filter inserts (JLHA)
30502 PVDW Catch Basin	rebuilding of damaged catch basin	8,600							
<b>Other Projects</b>									
McCarrell Canyon Interim, Barkentine/Seacove	Interim project to protect against flooding of private proprty while McCarrel Cyn project was completed	135,000							
McCarrell Canyon Interim, Gabion & Timber Walls	Related to above, stabilization of drainage way and debris retention			119,213					
Palos Verdes Bay Club Interim Improvements	related to above, temporary pipe over bluff top to address flooding prior to completion fo McCarrel project	185,000							
PVDS Salvation Army Outlet	rehabilitation of outlet at PVDS near Crestmont Ln	26,000							
Bronco Drive	replacement of catch basins and inlets in Bronco at PVDE	66,000							
Noble View Canyon		27,000							
Citywide Interim, Other		7,400							
Alida Place Storm Drain Relocation		98,480							
Tarapaca Landslide Study	related to San Ramon project	6,377							
PVDE Engineering Reserve		20,360							
PVDE Inlets									
Mossbank Storm Drain Rehabilitation	Emergency (finding of CC on 08-21-07) repair to 36-in and 42-in storm drain off Mossbank near Basswood. Replacement of pipe and construction of outlet structure.					245,885	Constr. (Hardy & Harper \$237,000, H&S Constr. \$6,500) ; Insp (Charles Abbott \$1,920); tree removal (WCA \$465)		
PVDS @ Altamira Canyon	120-inch CMP crossing under PVDE								
Via Canada	Addition of curb inlets and pipe to preveth flooding at east end of Via Canada								
Marguerite Open Channel	Erosion control project in Peukert Canyon to protect adjacent properties and bluff top								
Point Repair Projects	Several sites discovered during 2012 Lining project where pipes were collapsed and could not be lined. Project will replace collapsed section or provide alternate drainage solution at these sites								
<b>Miscellaneous Repairs &amp; Maintenance</b>									
Miscellaneous Repairs	minor repairs to pipes, inlet, outlets, erosion control, etc.	75,000				25,880	CB Repairs (Hardy & Harper \$9,600); Design (CBM \$12,720); Mat'ls (American Pipe \$1,060)	44,590	Repair to line on Via Colinita: Constr. (Hardy & Harper \$24,458) Equipment/ Repair (Laxson Equip. Inc. \$18,500) City purchasd mat'ls (\$1,137)
Storm Drain/Filtration Maintenance (includes Hawthorne, Montemalaga & Video Inspection/Cleaning)	pipe video inspection and cleaning			137,075	Hardy & Harper \$101,174; Perf. Pipeline Tech. \$18,540; Adv Sewer Tech \$16,536, other minor amts)	56,178	Video Inspection and clenaing (Perf. Pipeline Tech \$36,178, Hardy & Harper \$20,000)	216,890	\$115,739 for ER Repair to Alta Mira PVDS Crossing; Invert Repair (Perf. Pipeline \$106,526) Insp (Charles Abbott \$9,213); \$101,151 for Video Inspection and Cleaning (Perf. Pipeline Tech)
<b>Subtotal Project &amp; Maintenance Costs</b>		<b>2,908,244</b>		<b>1,645,637</b>		<b>2,181,068</b>		<b>7,072,554</b>	
Purchase of Push Camera				11,813					
Administration (contract/staff engineer)				78,868		160,827		242,074	
Drainage Master Plan Program									
Storm Water Enterprise Asset Registry									
Asset Maintenance Management System									
Hydrologic, Hydraulic & Pollutant Analysis & Prioritizing of Deficiencies									
Capital Improvement Programming									
Land Acquisition									
<b>Total Program Costs</b>		<b>2,908,244</b>		<b>1,736,318</b>		<b>2,341,895</b>		<b>7,314,628</b>	
<b>Funding</b>		<b>FY05-06</b>	<b>FY06-07</b>	<b>FY07-08</b>	<b>FY08-09</b>				
Storm Drain User Fee		-	1,188,439	1,221,825	1,251,733				
Interest Revenue		47,255	51,294	282,671	104,512				
Grant Revenue									
General Fund		2,860,989	496,585	837,399	5,958,383				
<b>Funding Total</b>		<b>2,908,244</b>	<b>1,736,318</b>	<b>2,341,895</b>	<b>7,314,628</b>				



City of RPV

Storm Drain User Fee  
Water Quality Flood Protection Program

Spending History

		FY13-14		FY14-15		Prior Years' Paid FY05-06 Thru FY14-15	FY15-16	
Project Name	Project Description	Paid		Paid			Budget	
<b>Backbone Projects</b>								
McCarrell Canyon	66-inch pipeline to route flow from McCarrel Canyon through Seacove neighborhood following flooding in Feb 2005.			533,395	Relining of Steel Pipe: Insallation (Industrial Coating & FP \$496,995); CM (KOA \$11,900); PW Insp (Vali Cooper \$500); Special Insp (West Coast Coating Consult \$24,000)	8,021,111		
McCarrell Canyon, Tarragon Property Acquisition	Land area required to build inlet structure and overflow system to McCarrell project					1,403,500		
Sunnyside Ridge	replacement of failed storm drain pipe and construction of new outlet structure at east end of SSR					417,361		
Lower San Ramon Canyon Stabilization	54-inch by 4,000-foot drainage diversion pipe from San Ramon Canyon around Tarapaca landslide area to ocean	11,116,002	Grant Mgmt (Blais \$8,736); CM & Aerial (CBM \$559,471, Louis Bruhnke \$4,288 ); Engr Desgn (Harris & Assoc \$2,355, Kling \$206; Merit CE \$3,152, Ninyo Moore \$169,378, SFC Consult \$37,188)	1,701,201	Grant Mgmt (Blais \$6,002); CM & Aerial (CBM \$84,697, Louis Bruhnke \$1,398 ); Engr Support (Harris & Assoc \$11,680, Geosyntec \$7,172; Melendrez \$2,040, Ninyo Moore \$4,167, SFC Consult \$12,488); Constr (LH Woods \$1,571,558)	18,207,120		
			Constr (LH Woods \$10,225,481; Perf Pipeline 42,266); Misc other \$2,914					
PVDE Miraleste Canyon System	Various smaller drains discharging to Miraleste Canyon drainage					-		
PVDE San Pedro Canyon System	Various smaller drains discharging to San Pedro Canyon drainage			362,360	Pipe reconstruction at PVDE @ Via Subida and PVDE @ Crownview, built as part of the PVDE Arterial Project to save repaving costs	614,238		
Altamira Canyon Drainage Study	Erosion of natural canyon in Ab Cove n'hood that conveys flows, in part, from public ROW. No easement					-	500,000	Study underway, ~\$440,000 encumbered
Paintbrush Canyon Drainage Study	Erosion of natural canyon in preserve contributes to landslide instability					-		
Arterial Drainage at PVDE	Repair or reestablishment of culverts and pipes crossing PVDE. Typically included in point repair project or the PVDE Arterial project					-		
<b>Pipe Lining</b>								
Storm Drain Lining	Installation of liner in existing pipes in an effort to extend their service life and appurtenance work to complete integrity of system	284,567	Installation of Liner (Sancon Tech \$280,211); Insp (CBM \$4,356)			3,996,696	1,052,306	Due to be awarded on Feb 16
<b>Capacity &amp; Secondary System</b>								
Via Colinita & Roan Projects	Improvements to failing CMP drains on or near PVDE and Via Colinita	6,101	Roadway repair following storm drain repair (VSs Int'l, Inc \$6,101)			210,329	231,095	Roan Road project design completed, construction nearly completed
Hawthorne Blvd. (closed FY10-11, re-allocated to the San Pedro Canyon Storm Drain Project)	No project					-		
PVDE Lower Switchbacks	rehabilitation of inlets, culverts and outlet drainage on Switchbacks. Project wrapped into San Ramon project to use state grant funding	19,575	Design Service for Switchback Improvements included in San Ramon Project			19,575		
South Hawthorne/Via Frascati	no project					-		
Middlecrest Road Project	no project					-		
PVDS (East of Barkentine)	improvements to drains crossing and south of PVDS at Seacove due to undersizing, corrosion and flooding issues.					-		
PVDS at Sacred Cove	improvements to drain crossing PVDS dues to land movement					-	450,000	Geotechnical investigation underway
						-		
<b>Filtration Systems</b>								
Catch Basin Filtration Devices	Installation of CB screens in existing basins for water quality regulations					438,255		
30502 PVDW Catch Basin	rebuilding of damaged catch basin					8,600		
						-		
<b>Other Projects</b>								
McCarrell Canyon Interim, Barkentine/Seacove	Interim project to protect against flooding of private proprty while McCarrel Cyn project was completed					135,000		
McCarrell Canyon Interim, Gabion & Timber Walls	Related to above, stabilization of drainage way and debris retention					119,213		
Palos Verdes Bay Club Interim Improvements	related to above, temporary pipe over bluff top to address flooding prior to completion fo McCarrel project					185,000		
PVDS Salvation Army Outlet	rehabilitation of outlet at PVDS near Crestmont Ln					26,000		
Bronco Drive	replacement of catch basins and inlets in Bronco at PVDE					66,000		
Noble View Canyon						27,000		
Citywide Interim, Other						7,400		
Alida Place Storm Drain Relocation						98,480		
Tarapaca Landslide Study	related to San Ramon project					6,377		
PVDE Engineering Reserve						20,360		
PVDE Inlets								
Mossbank Storm Drain Rehabilitation	Emergency (finding of CC on 08-21-07) repair to 36-in and 42-in storm drain off Mossbank near Basswood. Replacement of pipe and construction of outlet structure.					245,885		
PVDS @ Altamira Canyon	120-inch CMP crossing under PVDE					-		
Via Canada	Addition of curb inlets and pipe to prevetn flooding at east end of Via Canada					89,334		
Marguerite Open Channel	Erosion control project in Peukert Canyon to protect adjacent properties and bluff top	64,040	Feasibility Study for Erosion Control Options at Marguerite Cyn and PVDS East of Barkentine - same contract (KPFF)	16,345	Feasibility Study for Erosion Control Options at Marguerite Cyn and Lower Barkentine Canyon - same contract (KPFF)	80,385	760,340	Not yet started
Point Repair Projects	Several sites discovered during 2012 Lining project where pipes were collapsed and could not be lined. Project will replace collapsed section or provide alternate drainage solution at these sites					-	1,050,000	Design in Progress, \$150,000 encumbered
						-		
<b>Miscellaneous Repairs &amp; Maintenance</b>								
Miscellaneous Repairs	minor repairs to pipes, inlet, outlets, erosion control, etc.					145,470		
Storm Drain/Filtration Maintenance (includes Hawthorne, Montemalaga & Video Inspection/Cleaning)	pipe video inspection and cleaning	30,356	Misc repairs (Various \$19,928); Video & Insp (Perf Pipeline \$10,428)	359,076	Video Inspection, Cleaning & Invert Repair (Perf Pipeline Tech \$	1,144,229	245,544	Grayslake project awarded, construction to being Jan 2016. ~\$135,000 encumbered; Ryan Park SD improvements ~\$20,000
<b>Subtotal Project &amp; Maintenance Costs</b>		<b>11,520,641</b>		<b>2,972,377</b>		<b>35,732,918</b>	<b>4,289,285</b>	
Purchase of Push Camera						11,813		
Administration (contract/staff engineer)		152,207		147,529		1,374,975	167,736	
Drainage Master Plan Program		204,173	Master Plan (RBF \$203,813); GIS prep (PV on the Net \$360)	274,422	Master Plan (RBF \$256,634); GIS prep (PV on the Net \$17,788)	500,806		
Storm Water Enterprise Asset Registry						-		
Asset Maintenance Management System						-		
Hydrologic, Hydraulic & Pollutant Analysis & Prioritizing of Deficiencies						-		
Capital Improvement Programming						-		
Land Acquisition		19,750				19,750		
<b>Total Program Costs</b>		<b>11,896,771</b>		<b>3,394,328</b>		<b>37,640,262</b>	<b>4,457,021</b>	<b>TOTAL Exp 42,097,283</b>
<b>Funding</b>		<b>FY13-14</b>		<b>FY14-15</b>		<b>Totals FY05-06 Thru FY14-15</b>	<b>FY15-16 (Est)</b>	<b>Total Funding FY0506 to FY1516</b>
Storm Drain User Fee		1,836,783		1,844,446		11,599,372	1,384,096	12,983,468
Interest Revenue		10,982		10,260		554,257	7,800	562,057
Grant Revenue		6,114,956		1,212,995		9,464,727		9,464,727
General Fund		4,690,284		1,082,862		18,290,609	3,065,125	21,355,734
<b>Funding Total</b>		<b>12,653,005</b>		<b>4,150,563</b>		<b>39,908,965</b>	<b>4,457,021</b>	<b>44,365,986</b>
						<b>General Fund Balance</b>		<b>2,268,703</b>