

2012 ANNUAL REPORT ON THE WQFP PROGRAM

JUNE 27, 2012

INTRODUCTION

An Oversight Committee was established by the Rancho Palos Verdes City Council in 2007 to annually review project expenditures and plans for the Water Quality and Flood Protection (WQFP) Program and to recommend a User Fee Rate for each fiscal year. The Committee consists of the following members:

Lowell Wedemeyer (Chair)
Frank Lyon (Vice Chair)
Krista Johnson
Yi Hwa Kim
Elizabeth Sala

The Committee met several times with the City's Finance and Information Technology and Public Works staffs over the past couple months to review WQFP Program activities in FY 11-12 and planned projects and budgeted expenditures in FY 12-13. Staff also provided the Committee with their proposed Storm Drain Plan through FY 16-17, excerpts from the City's 2012 Five-Year Financial Model, the 2012 Capital Improvement Plan (CIP), and Staff's recommendation for the FY 12-13 User Fee Rate.

This report conveys the Committee's conclusions and recommendations in accordance with its responsibilities designated by the City Council on May 5, 2009 and documented in RPV Municipal Code Section 3.44.080.

FY 11-12 EXPENDITURES

The WQFP Program expenditure plan (i.e. budget) approved by the City Council for FY 11-12 totaled \$4.15 million. Based upon the staff report, dated June 27, 2012, \$1.96 million had been spent or committed through June 30, 2012. Fiscal year expenditures are summarized by the Staff in the Storm Drain Plan through FY16-17 (Attachment A). Major projects are described in the Schedule of Project Descriptions in the Staff report dated May 9, 2012 (Attachment B).

Staff estimates that there will be carryover from the Fiscal Year 11-12 budget to the Fiscal Year 12-13 budget in the approximate amount of \$2.187 million. Based upon Staff reports to the Committee the variance of \$2.187 million, between the \$4.15 million 11-12 budget and the estimated 11-12 expenditures of about \$1.96 million, is primarily attributable to the following projects (in order of the size of the variance):

- 1) The total carryover to fiscal year 12-13 for project areas 6 and 7 is \$767,550. The estimated carryover to fiscal year 12-13 on project area 6, the PVDE San Pedro Canyon project, is \$525,050. The estimated carryover to fiscal year 12-13 on project area 7, the Via Colinita System Project, is \$242,500. As reported by Staff to the WQFP Committee and the Council in May last year, Staff decided to re-scope the PVDE San Pedro Canyon project during fiscal year 11-12 to achieve savings.

Accordingly, during fiscal year 11-12 this budget item was divided into two separate design projects: Miraleste Plaza Storm Drain Improvement Project (project area 6) and Via Colinita Improvements Project (project area 7). The Miraleste Plaza drain project is currently being advertised for bids and a bid opening is scheduled for July 24, 2012. The Via Colinita project is currently at about 80% design stage with construction anticipated this Fall. Staff expects to have both projects completed before the next rainy season. That is, the \$767,550 carryover from fiscal year 11-12 should be committed early in fiscal year 12-13. Re-scoping of the projects to address only structural deficiencies will yield savings for these projects. However, issues of system capacity in these canyons are still to be addressed during the master planning process in future years.

2) The estimated carryover on project area 12, the update of the Drainage Master Plan, will be \$697,789. This is because the Drainage Master Plan Program is intended to be integrated into the City's Geographic Information System ("GIS"), which Staff reports is planned to be upgraded in the near future, subject to Council approval. The City's Geographic Information System is beyond the purview of the WQFP Committee. The Committee concurs that it is prudent to upgrade the Geographic Information System before further integration of the Drainage Master Plan into that system.

3) The carryover on project area 12, Storm Drain/Filtration Maintenance is estimated to be \$274,556 due to lower than expected storm costs. Staff reported that the carryover is expected to be used for near-term, urgent expenditures.

4) The carryover on the Storm Drain Lining, Other, portion of the fiscal year 11-12 budget, project area 12, is estimated to be \$259,795. On April 17, 2012, the City Council awarded an \$805,000 construction contract to Sancon Engineering. The City Council also awarded contracts for inspection and mapping services. Staff reported the carryover is because the construction schedule proposed by the Contractor has a completion date of August 31.

5) The carryover on the San Ramon Canyon Stabilization Project from fiscal year 11-12 to 12-13 is estimated to be \$141,114. The design of the San Ramon Canyon Stabilization project is 98% complete. However, the \$10 million short-fall in project funding could delay implementation of the design.

FY 11-12 User Fee collections are estimated to be about \$1.28 million during fiscal year 11-12.

The Committee believes that all WQFP Program costs to date for FY11-12, including User Fee revenues, have been properly spent to discover and mitigate storm drain problems in the City.

HISTORICAL SUMMARY OF USER FEE RATES , COLLECTIONS AND FUNDING.

The WQFP Committee evaluated an historical, financial summary of the User Fee from inception in 2007 to the end of the current Fiscal Year 11-12. A summary table entitled USER FEE RATE HISTORY was prepared by Staff upon request. It is appended as Attachment C. The summary shows that over the five fiscal years to date, the City has spent or committed an estimated \$17.6 million through the Water Quality Flood Protection Fund ("WQFP Fund"), of which approximately \$7 million, or 40%, was funded by User Fee collections.

The summary also shows the effect of the 2% cap which the RPV ordinance imposes upon the calculation of the maximum User Fee rate increase. Attachment C shows that inflation according to the federal CPI totals 12.4%, for the five-year period. However, the RPV 2% cap, as actually applied, has limited the fee increases to 9.4%. That is, the User Fee currently lags inflation by 3% over the five-year period as a result of RPV's 2% cap.

The cumulative total of actual collections attributable to annual CPI increases in the User Fee over the five fiscal years is estimated to be \$85,507, which is an average increase in user fee collections of about \$17,100 per year.

The Committee also evaluated the methodology for applying the RPV 2% cap when calculating the maximum annual User Fee rate increase.

The WQFP Committee concurs with Staff that the existing method of calculation is the proper application of the RPV 2% cap on annual User Fee increases.

PLANS FOR FY 12-13

Staff presented the Committee with a proposed FY 12-13 Storm Drain expenditure plan (see Attachment A). There is \$1.34 million newly budgeted, not including previously authorized but unspent funds. With the expected \$2.187 million to be carried forward from FY 11-12, total WQFP Program expenditures in FY 11-12 are projected to be about \$3.5 million.

Major planned projects in FY 11-12 are described in Attachment B.

All planned projects appear necessary and are being funded appropriately under the present circumstances.

USER FEE RATE FOR FY 12-13.

By unanimous vote, the WQFP Committee recommends that the annual Storm Drain User Fee be increased by the 2% cap, which is less than the annual CPI inflation as of March 1, 2012. This will increase the Fee from \$92.53 ERU in FY 2011-2012 to \$94.38 ERU for FY 2012-2013.

OTHER COMMENTS

1) The Committee continues to believe that currently planned resources are inadequate to address known storm drain repair needs in the City. Experience has shown that additional unknown needs are likely to arise, requiring immediate attention. The San Ramon Canyon Stabilization Project alone is estimated to cost around \$ 19.4 million, of which a grant for \$9.4 million was awarded by the State Department of Water Resources, but definite sources for the remaining \$10 million in costs are currently unknown.

2) Taking note of the historic importance of the User Fee collections in funding critical WQFP projects, as showed by Attachment C, the Committee again recommends that planning begin now for funding long-term maintenance of the City's storm drain system beyond 2016, when the Storm Drain

User Fee sunsets. The Committee recommends that such funding plans be included in future Five-Year Financial Models.

Attachment A: Storm Drain Plan through FY 16-17

Attachment B: Description of Storm Drain Projects.

Attachment C: User Fee Rate History

City of Rancho Palos Verdes
Storm Drain Plan through FY16-17

Attachment A

| Area | Prior | (A) | (B) | (Memo only) (A less B) Expected Carryover | | | | | | Total Budgeted Projected By Project | Remaining Projects (Original 38) | |
|--|---|------------------|------------------|--|-------------------|----------------------------------|-------------------|----------------------|----------------------|--|--|----------------------|
| | Years' Paid FY06-07 Thru FY01-11 | | | | FY11-12 Budget | FY11-12 Spent or Committed | FY12-13 Budget | FY13-14 5YR Model | FY14-15 5YR Model | | | FY15-16 5YR Model |
| Backbone Projects | | | | | | | | | | | | |
| 2 McCarrell Canyon | 7,487,716 | | | | | | | | | | 7,487,716 | |
| McCarrell Canyon, Tarragon Property | | | | | | | | | | | | |
| 2 Acquisition | 1,403,500 | | | | | | | | | | 1,403,500 | |
| 1 Sunnyside Ridge | 417,361 | | | | | | | | | | 417,361 | |
| 3 Lower San Ramon Canyon Stabilization | 646,507 | 867,575 | 726,461 | 141,114 | | | | | | | 1,514,082 | 2,240,000 |
| 5 PVDE Miraleste Canyon System | - | | | | | | | | | | - | 2,839,637 |
| 6 PVDE San Pedro Canyon System | - | 570,000 | 44,950 | 525,050 | | | | | | | 570,000 | 2,438,992 |
| 4 Altamira Canyon | - | | | | | | | | | | - | 1,750,000 |
| | - | | | | | | | | | | - | |
| | - | | | | | | | | | | - | |
| Pipe Lining | | | | | | | | | | | | |
| 12 Phase I | 532,000 | | | | | | | | | | 532,000 | |
| 10 Phase II (Monero Storm Drain) | 174,723 | | | | | | | | | | 174,723 | |
| 2 PVDS (from Clipper to Seacove) | 210,000 | | | | | | | | | | 210,000 | |
| 10 Crest to Crestridge | 59,700 | | | | | | | | | | 59,700 | |
| 10 Hawthorne to Silver Arrow | 130,000 | | | | | | | | | | 130,000 | |
| 9 Tarapaca Drive | 80,000 | | | | | | | | | | 80,000 | |
| 5 Pontevedra Drive | 317,792 | | | | | | | | | | 317,792 | |
| 12 Storm Drain Lining, Other | 1,155,452 | 1,146,698 | 886,903 | 259,795 | 324,642 | 329,881 | 335,278 | 340,836 | 347,653 | | 3,980,440 | |
| | - | | | | | | | | | | - | |
| | - | | | | | | | | | | - | |
| Capacity & Secondary System Projects | | | | | | | | | | | | |
| 7 Via Colinita System Projects | 204,228 | 242,500 | - | 242,500 | | | | | | | 446,728 | |
| Hawthorne Blvd. (closed FY10-11, re-allocated to the San Pedro Canyon Storm Drain Project) | - | | | | | | | | | | - | |
| 9 PVDE Lower Switchbacks | - | | | | 485,000 | | | | | | 485,000 | |
| 6 South Hawthorne/Via Frascati | - | | | | | | 440,000 | | | | 440,000 | |
| 11 Middlecrest Road Project | - | | | | | | | | | | - | 139,160 |
| 3 PVDS (North of Barkentine) | - | | | | | 446,000 | | | | | 446,000 | |
| | - | | | | | | | | | | - | |
| | - | | | | | | | | | | - | |
| Filtration Systems | | | | | | | | | | | | |
| 12 Catch Basin Filtration Devices | 354,734 | 13,756 | - | 13,756 | 73,000 | | | | | | 441,490 | |
| 2 30502 PVDW Catch Basin | 8,600 | | | | | | | | | | 8,600 | |
| | - | | | | | | | | | | - | |
| | - | | | | | | | | | | - | |
| Other Projects | | | | | | | | | | | | |
| McCarrell Canyon Interim, | | | | | | | | | | | | |
| 2 Barkentine/Seacove | 135,000 | | | | | | | | | | 135,000 | |
| McCarrell Canyon Interim, Gabion & Timber | | | | | | | | | | | | |
| 2 Walls | 119,213 | | | | | | | | | | 119,213 | |
| Palos Verdes Bay Club Interim | | | | | | | | | | | | |
| 2 Improvements | 185,000 | | | | | | | | | | 185,000 | |
| 10 PVDS Salvation Army Outlet | 26,000 | | | | | | | | | | 26,000 | |
| 6 Bronco Drive | 66,000 | | | | | | | | | | 66,000 | |
| 5 Noble View Canyon | 27,000 | | | | | | | | | | 27,000 | |
| 12 Citywide Interim, Other | 7,400 | | | | | | | | | | 7,400 | |
| 10 Alida Place Storm Drain Relocation | 98,480 | | | | | | | | | | 98,480 | |
| 3 Tarapaca Landslide Study | 6,377 | | | | | | | | | | 6,377 | |
| 6 PVDE Engineering Reserve | 20,360 | | | | | | | | | | 20,360 | |
| 6 PVDE Inlets | - | | | | | | | | | | - | |
| 10 Mossbank Storm Drain Rehabilitation | 245,885 | | | | | | | | | | 245,885 | |
| 4 PVDS @ Altamira Canyon | - | | | | | | | | | | - | |
| 5 Via Canada | 17,533 | 100,000 | 73,184 | 26,816 | | | | | | | 117,533 | |
| 11 Marguerite Open Channel | - | | | | 50,000 | 350,000 | | | | | 400,000 | |
| | - | | | | | | | | | | - | |
| | - | | | | | | | | | | - | |
| Miscellaneous Repairs & Maintenance | | | | | | | | | | | | |
| 12 Miscellaneous Repairs | 145,470 | | | | | | | | | | 145,470 | |
| Storm Drain/Filtration Maintenance (includes Hawthorne, Montemalaga & Video Inspection/Cleaning) | 562,864 | 366,036 | 91,480 | 274,556 | 222,162 | 229,727 | 237,518 | 245,544 | 250,455 | | 2,114,306 | |
| Subtotal Project & Maintenance Costs | 14,844,895 | 3,306,565 | 1,822,978 | 1,483,587 | 1,154,804 | 1,355,608 | 1,012,796 | 586,380 | 598,108 | | 22,859,156 | 9,407,789 |
| | | | | | | | | | | | | |
| 12 Purchase of Push Camera | 11,813 | | | | | | | | | | 11,813 | |
| 12 Administration (contract/staff engineer) | 767,544 | 146,917 | 140,606 | 6,311 | 149,218 | 157,080 | 161,792 | 166,646 | 171,645 | | 1,720,842 | |
| 12 Drainage Master Plan Program | 22,211 | 697,789 | - | 697,789 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | | 870,000 | |
| 12 Storm Water Enterprise Asset Registry | - | | | | | | | | | | - | |
| 12 Asset Maintenance Management System | - | | | | | | | | | | - | |
| 12 Hydrologic, Hydraulic & Pollutant Modelling | - | | | | | | | | | | - | |
| 12 Analysis & Prioritization of Deficiencies | - | | | | | | | | | | - | |
| 12 Capital Improvement Programming | - | | | | | | | | | | - | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Total Program Costs | 15,646,463 | 4,151,271 | 1,963,584 | 2,187,687 | 1,334,022 | 1,542,688 | 1,204,588 | 783,026 | 799,753 | | 25,461,811 | 9,407,789 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Note: This schedule reflects actual costs and does not include depreciation or capitalization of storm drain improvements, which are included in the City's financial statements. | | | | | | | | | | | | |



MEMORANDUM

TO: HONORABLE CHAIR AND MEMBERS OF THE OVERSIGHT COMMITTEE FOR THE WATER QUALITY AND FLOOD PROTECTION PROGRAM

**FROM: TOM ODOM, DIRECTOR OF PUBLIC WORKS
DENNIS McLEAN, DIRECTOR OF FINANCE AND
INFORMATION TECHNOLOGY**

DATE: MAY 9, 2012

**SUBJECT: WATER QUALITY AND FLOOD PROTECTION PROGRAM –
DRAFT FY 12-13 BUDGET AND 5-YEAR PLAN**

**Project Manager: Ron Dragoo, Senior Engineer
Andy Winje, Associate Engineer**

BACKGROUND AND DISCUSSION

This report contains a brief update regarding the major projects included in the Water Quality and Flood Protection program including the FY12-13 budget and 5-Year plan, both in draft form.

PROGRAM HIGHLIGHTS

Only two updates are noteworthy since the FY11-12 Midyear Report, dated April 10, 2012 are as follows:

- 1) City Council awarded a construction contract to Sancon engineering on April 17, 2012 for the 2012 Storm Drain Rehabilitation and Lining Project; and
- 2) The addition of the Marguerite Open Channel project in FY12-13 and FY23-14.

Both updates are described later in this Report.

San Ramon Canyon (PVDE/PVDS Roadway) Stabilization Project

Final design is now about 98% complete with an expected completion date in May 2012. Regulatory permits are still pending but expected in late spring. Staff expects that

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advertising of the project to obtain competitive construction bids will begin in June, with construction tentatively scheduled to begin in late Summer or early Fall.

The project has received a grant in an amount up to \$9.46 Million from the State's Department of Water Resources Stormwater Flood Management Grant (Prop 1E) program. The remainder of the funds for the project are yet to be formally identified. The City has received notification that it was not invited to submit a formal application for the FEMA Hazard Mitigation Grant that was being pursued. Staff is still awaiting the decision regarding the TIGER IV grant (\$10 million application), which is due in June or July. Staff, the City's advisors and the City Council are pursuing other federal funding opportunities as well as help from local agencies (City of Los Angeles and County of Los Angeles) whose constituents will also receive benefits from the project. No commitments from these other agencies have yet been received.

Please see the City's website to view updates regarding the project at <http://www.palosverdes.com/rpv/publicworks/San-Ramon/index.cfm>.

Stormwater Master Plan Program

The upgrading of the GIS system and the archiving of data to be available through the GIS system are understood and necessary precursors to a robust GIS-based stormwater tool. A consultant's report provided a list of nine tasks to developing our anticipated end product and staff is working on to complete the first three, which are data collection and assessment, field verification and of inventory, and development of a database storage and reporting system. These efforts will continue into next fiscal year. The final tasks have to do with technical analysis of the system modeled against County standard rainfall events and water quality requirements of the Regional Board, identifying and prioritizing capital projects and reporting and will occur in following years.

Storm Drain Lining

City Council awarded a construction contract to Sancon engineering on April 17, 2012 for the 2012 Storm Drain Rehabilitation and Lining Project. City Council awarded professional service agreements to CDM Consulting, Inc, and John M. Cruikshank Consultants, Inc. for inspection and mapping services, respectively, on May 1, 2012. Once these agreements are executed, notice to proceed (NTP) will be given to the contractor. Staff anticipates the work will be completed about three months after NTP is given.

Staff is beginning to develop a list of pipes to be investigated and potentially lined in FY12-13. These pipes are predominately on the City's west side and will include diameters up to 84 inches.

PVDE/San Pedro Canyon System

Staff has broken this project into two design efforts to allow for concurrent work by distinct consultants. Staff has received 95% level design effort for the Miraleste Plaza Storm Drain

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Improvement project and expects similar submittal for the Via Colinita Improvements Project soon. Upon review and finalization of the design documents, the projects will be advertised for competitive bid and, hopefully, awarded and this summer. Staff intends to complete these improvements prior to next year's rainy season.

FY12-13 Draft Budget and 5-Year Plan

Additional budget items for both FY12-13 and the five-year plan are described in the project updates and on the attached spreadsheet entitled Storm Drain Plan through FY16-17.

PROJECT UPDATES

| | |
|---|--|
| Project Name: | San Ramon Canyon Stabilization Project |
| Project Area: | Project Area 3 |
| Budgeted Cost (Design & EIR): | \$1,514,082 |
| Contract Award (Design & EIR): | \$1,342,000 |
| Total/Estimated Costs: | \$19.4M (construction costs, partially unfunded) |
| Percentage Completion: | 90% (pre-construction activities only) |
| Project Description: | |
| City Council approved the recommended alternative (Tunnel Alignment) in March, 2011, the design of which is now about 95% complete. City Council certified the environmental (CEQA and NEPA) documents and Coastal Development permit on Dec 20, 2011 and applications for regulatory permits have been submitted. Anticipated date to begin construction is dependant on funding; however, construction could begin as early as late Summer to early Fall, 2012. City was awarded a \$9.46 Million grant from the State Department of Water Resources for the project. City Staff, its advisors and the City Council are actively pursuing Federal funding opportunities and contributions from City of LA and County of LA. | |

| | |
|---|--|
| Project Name: | Storm Drain Lining |
| Project Area: | Project Area 12 |
| Budgeted Cost: | \$1,146,698 (including \$839,617 carryover from FY10-11) |
| Contract Award: | \$1,080,565 |
| Total/Estimated Costs: | \$1,080,565 |
| Percentage Completion: | 0% |
| Project Description: | |
| City Council awarded a \$805,000 construction contract to Sancon Engineering on April 17, 2012. Approximately 6,000 linear feet of CMP are included in this year's program. All unlined, City owned corrugated metal pipes not already lined or scheduled for alternate repairs on the east side of the City will be included in this year's program, ranging in diameter from 12 inches to 54 inches. Work includes CCTV investigation, cleaning, lining by CIPP or paved invert methods, point repairs, ancillary facilities, inspection, mapping and documentation exportable to GIS format. | |

| | |
|-------------------------------|--------------------------------|
| Project Name: | Catch Basin Filtration Devices |
| Project Area: | Project Area 12 |
| Budgeted Cost: | \$13,756 |
| Contract Award: | \$0 |
| Final/Estimated Costs: | TBD |
| Percentage Completion: | 60% |
| Project Description: | |

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| | |
|--|----------------|
| <p>Retrofitting of catch basins with filtration screens in this area of the City is required by the Regional Board to address the trash problems at Lake Machado in Los Angeles. The City has until 2016 to install screens in the 111 catch basin contributing to this drainage. Sixty eight (68) catch basins have been retrofitted in FY 2010-11 at a cost of about \$27,000, a savings of 78% over original estimates. The City's compliance response is about 60%; therefore, ahead of schedule. The remaining basins in this drainage are county owned and will require an MOU for maintenance with Los Angeles County. Installation of these will be performed after an MOU is authorized by both agencies. The remaining 40% of the basins will come at a higher cost due to involvement of LA County and cost for completing their flood permits. The City is partnering with other South Bay Cities to apply for a State Grant (Prop 84) that, if awarded, would cover at least a portion of the costs for the remaining catch basins to be retrofitted. The project was on the short list published April 30, 2012 and a full application will be submitted with City of Torrance in the lead. Work done to date by the City may be counted as the City's "match" allowing a large portion of the remaining basins to be covered by the grant, if awarded. The project will be on hold until it is determined if grant funding will be awarded.</p> | |
| Project Name: | Roan System |
| Project Area: | Project Area 7 |
| Budgeted Cost: | \$242,500 |
| Contract Award: | TBD |
| Total/Estimated Costs: | \$446,728 |
| Percentage Completion: | 0% |
| Project Description: | |
| <p>The Via Colinita portion of this project is being addressed under the San Pedro Canyon Storm Drain project and \$50,000 was transferred to that project in FY11-12. The remaining portion is for addressing the physical deficiencies in the Roan road area system</p> | |

| | |
|---|--|
| Project Name: | Miscellaneous Repairs & Storm Drain Filtration Maintenance |
| Project Area: | Project Area 12 |
| Budgeted Cost: | \$366,036 |
| Contract Award: | \$107,462 |
| Total/Estimated Costs: | TBD |
| Percentage Completion: | Ongoing/Annual |
| Project Description: | |
| <p>As a result of this program and the following maintenance activities, the City of Rancho Palos Verdes has not received a single "after-hours" callout to address a rain related emergency during the past four years. The lack of rain this year has resulted in not needing to perform any emergency miscellaneous repairs this year.</p> <ul style="list-style-type: none"> ➤ 29 catch basins in the City with filtration devices installed were cleaned in November 2011; ➤ The City contracts with LA County for annual clearing of City-owned catch basins. The County process is cumbersome and makes financial planning and required reporting difficult. Staff has developed bid documents to engage the use of private contractors for future years if costs can be justified; ➤ Repaired leaking CMP behind home on Ronsard Road. A new manhole and CIPP liner was installed in an 18-inch CMP line after leaking was detected by a resident. The manhole is needed to provide access to the one-off liner installation that was completed in February, 2012. ➤ A catch basin on PVDS adjacent to Wayfarer's Chapel was rebuilt. ➤ Design is completed for a point repair on a 12-inch concrete pipe on Via De Anzar. Field work will begin as soon as access to private property can be obtained. ➤ Cleaned and video inspected 4,110 linear feet of CMP to date in FY11-12 | |

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| | |
|---|------------------------------|
| Project Name: | Drainage Master Plan Program |
| Project Area: | Project Area 12 |
| Budgeted Cost: | \$697,789 |
| Contract Award: | \$0 |
| Total/Estimated Costs: | TBD |
| Percentage Completion: | 5% |
| Project Description: | |
| <p>The City is upgrading its GIS platform and PW Staff will continue improving GIS data and best practices to maximize use for stormwater management planning. Many available as-built drawings have been scanned and linked to existing GIS database. Establishing links to inspection video and remaining drawings is underway.</p> <p>Staff engaged RBF Consulting Engineers to develop a planning document to guide our efforts to build a sustainable and useful management tool. Staff anticipates engaging a consultant in late Spring or early Summer to verify existing atlas data in the field, develop data where gaps exist, and build a digital library (database) that is compatible with and transferrable to the City's anticipated GIS platform when it is acquired.</p> | |

| | |
|---|---|
| Project Name: | San Pedro Canyon Storm Drains |
| Project Area: | Project Area 6 |
| Budgeted Cost: | \$570,000 (Re-allocated from Hawthorne Blvd. project) |
| Contract Award: | \$49,900 (to date for design) |
| Final/Estimated Costs: | TBD |
| Percentage Completion: | 10% |
| Project Description: | |
| <p>This project in San Pedro Canyon lies east of PVDE and is crossed several times by residential streets. This project has become a priority due to observed flooding in the area, sediment and debris accumulation in potentially undersized debris basins and degraded pipes and inlet/outlet structures. Staff has engaged a consultant to provide design recommendations to rehabilitate existing facilities, including construction drawings. The project has been broken into two pieces, Miraleste Plaza Storm Drain Improvements and Via Colinita Storm Drain Improvements to facilitate concurrent design and construction. The New County standards for hydrology assumptions suggest upsizing of pipes may be necessary. However, that may have undesirable downstream consequences. Staff is working with consultant to develop solutions to address known or anticipated deficiency issues based on field observations, with a mind to restrict hydromodification (i.e. effects on downstream areas) until a larger study can be performed (as part of the next master plan). Analysis and design work is underway, to be followed by construction of improvements.</p> | |

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|--|--|
| Project Name: | Via Canada Drainage Study & Repair |
| Project Area: | Project Area 6 |
| Budgeted Cost: | \$100,000 |
| Contract Award: | \$73,185 |
| Total/Estimated Costs: | \$90,700 (design, construction and inspection) |
| Percentage Completion: | 95% |
| Project Description: | |
| <p>This project east of PVDE and north of Miraleste Canyon results from observed flooding at the bottom of Via Canada (cul-du-sac) during moderate to heavy rain events. This drain in question is County owned and the flooding issue was brought to their attention 10 years ago. Since no action had been taken, the impacted homeowners have requested the City do something.</p> <p>The hydraulic study and engineering design were completed in Fall 2011. The solution is installation of two new catch basins and connector pipes to allow more water to enter the subsurface county drain before it reaches the cul-du-sac. Construction began in November 2011 and a Notice of Completion of construction was filed with the County on February 1, 2012. The total cost for engineering, inspection and construction totals about \$91,000. The remaining funds from this project will be re-allocated in the program.</p> | |

| | |
|---|-------------------------|
| Project Name: | Marguerite Open Channel |
| Project Area: | Project Area 6 |
| Budgeted Cost: | \$400,00 |
| Contract Award: | TBD |
| Total/Estimated Costs: | TBD |
| Percentage Completion: | 0% |
| Project Description: | |
| <p>Staff has become aware of excessive erosion in a portion of open natural drainage channel, which connects two piped systems between PVDW and the bluff. Studies of the issue are scheduled for FY 12-13 with implementation of any recommendations for improvement tentatively scheduled the following year.</p> | |

Attachment

Storm Drain Plan through FY16-17

City of Rancho Palos Verdes
Storm Drain Plan through FY16-17

Presented May 9, 2012

Attachment B

| Area | Prior Years' Paid | (A) FY11-12 Budget | (B) FY11-12 Spent or Committed | (Memo only) | FY12-13 5YR Model | FY13-14 5YR Model | FY14-15 5YR Model | FY15-16 5YR Model | FY16-17 5YR Model | Total Budgeted Projected By Project | Remaining Projects (Original 38) | |
|--|-------------------|--------------------|--------------------------------|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------------|----------------------------------|--|
| | | | | (A less B) Expected Carryover FY12-13 | | | | | | | | |
| Backbone Projects | | | | | | | | | | | | |
| 2 McCarrell Canyon | 7,487,716 | | | | | | | | | 7,487,716 | | |
| McCarrell Canyon, Tarragon Property | | | | | | | | | | | | |
| 2 Acquisition | 1,403,500 | | | | | | | | | 1,403,500 | | |
| 1 Sunnyside Ridge | 417,361 | | | | | | | | | 417,361 | | |
| 3 Lower San Ramon Canyon Stabilization | 646,507 | 867,575 | 693,579 | 173,996 | | | | | | 1,514,082 | 2,240,000 | |
| 5 PVDE Miraleste Canyon System | - | | | | | | | | | - | 2,839,637 | |
| 6 PVDE San Pedro Canyon System | - | 570,000 | 49,900 | 520,100 | | | | | | 570,000 | 2,438,992 | |
| 4 Altamira Canyon | - | | | | | | | | | - | 1,750,000 | |
| | - | | | | | | | | | - | | |
| | - | | | | | | | | | - | | |
| Pipe Lining | | | | | | | | | | | | |
| 12 Phase I | 532,000 | | | | | | | | | 532,000 | | |
| 10 Phase II (Monero Storm Drain) | 174,723 | | | | | | | | | 174,723 | | |
| 2 PVDS (from Clipper to Seacove) | 210,000 | | | | | | | | | 210,000 | | |
| 10 Crest to Crestridge | 59,700 | | | | | | | | | 59,700 | | |
| 10 Hawthorne to Silver Arrow | 130,000 | | | | | | | | | 130,000 | | |
| 9 Tarapaca Drive | 80,000 | | | | | | | | | 80,000 | | |
| 5 Pontevedra Drive | 317,792 | | | | | | | | | 317,792 | | |
| 12 Storm Drain Lining, Other | 1,156,452 | 1,146,698 | 1,101,965 | 44,733 | 324,642 | 329,881 | 335,278 | 340,836 | 347,653 | 3,980,440 | | |
| | - | | | | | | | | | - | | |
| | - | | | | | | | | | - | | |
| Capacity & Secondary System Projects | | | | | | | | | | | | |
| 7 Via Colinita & Roan System Projects | 204,228 | 242,500 | | 242,500 | | | | | | 446,728 | | |
| Hawthorne Blvd. (closed FY10-11, re-allocated to the San Pedro Canyon Storm Drain Project) | - | | | | | | | | | - | | |
| 9 PVDE Lower Switchbacks | - | | | | 485,000 | | | | | 485,000 | | |
| 6 South Hawthorne/Via Frascati | - | | | | | | 440,000 | | | 440,000 | | |
| 11 Middlecrest Road Project | - | | | | | | | | | - | 139,160 | |
| 3 PVDS (North of Barkentine) | - | | | | | 446,000 | | | | 446,000 | | |
| | - | | | | | | | | | - | | |
| | - | | | | | | | | | - | | |
| Filtration Systems | | | | | | | | | | | | |
| 12 Catch Basin Filtration Devices | 354,734 | 13,756 | | 13,756 | 73,000 | | | | | 441,490 | | |
| 2 30502 PVDW Catch Basin | 8,600 | | | | | | | | | 8,600 | | |
| | - | | | | | | | | | - | | |
| | - | | | | | | | | | - | | |
| Other Projects | | | | | | | | | | | | |
| McCarrell Canyon Interim, | | | | | | | | | | | | |
| 2 Barkentine/Seacove | 135,000 | | | | | | | | | 135,000 | | |
| McCarrell Canyon Interim, Gabion & Timber | | | | | | | | | | | | |
| 2 Walls | 119,213 | | | | | | | | | 119,213 | | |
| | | | | | | | | | | | | |
| 2 Palos Verdes Bay Club Interim Improvements | 185,000 | | | | | | | | | 185,000 | | |
| 10 PVDS Salvation Army Outlet | 26,000 | | | | | | | | | 26,000 | | |
| 6 Bronco Drive | 66,000 | | | | | | | | | 66,000 | | |
| 5 Noble View Canyon | 27,000 | | | | | | | | | 27,000 | | |
| 12 Citywide Interim, Other | 7,400 | | | | | | | | | 7,400 | | |
| 10 Alida Place Storm Drain Relocation | 98,480 | | | | | | | | | 98,480 | | |
| 3 Tarapaca Landslide Study | 6,377 | | | | | | | | | 6,377 | | |
| 6 PVDE Engineering Reserve | 20,360 | | | | | | | | | 20,360 | | |
| 6 PVDE Inlets | - | | | | | | | | | - | | |
| 10 Mossbank Storm Drain Rehabilitation | 245,885 | | | | | | | | | 245,885 | | |
| 4 PVDS @ Altamira Canyon | - | | | | | | | | | - | | |
| 5 Via Canada | 17,533 | 100,000 | 68,185 | 31,815 | | | | | | 117,533 | | |
| 6 NEW - Marguerite Open Channel | - | | | | 50,000 | 350,000 | | | | 400,000 | | |
| Miscellaneous Repairs & Maintenance | | | | | | | | | | | | |
| 12 Miscellaneous Repairs | 145,470 | | | | | | | | | 145,470 | | |
| Storm Drain/Filtration Maintenance (includes Hawthorne, Montemalaga & Video Inspection/Cleaning) | 562,864 | 366,036 | 107,286 | 258,750 | 222,162 | 229,727 | 237,518 | 245,544 | 250,455 | 2,114,306 | | |
| Subtotal Project & Maintenance Costs | 14,844,895 | 3,306,565 | 2,020,915 | 1,285,650 | 1,154,804 | 1,355,608 | 1,012,796 | 586,380 | 598,108 | 22,859,156 | 9,407,789 | |
| | | | | | | | | | | | | |
| 12 Purchase of Push Camera | 11,813 | | | | | | | | | 11,813 | | |
| 12 Administration (contract/staff engineer) | 767,544 | 146,917 | 111,196 | 35,721 | 153,518 | 157,080 | 161,792 | 166,646 | 171,645 | 1,725,142 | | |
| 12 Drainage Master Plan Program | 22,211 | 697,789 | | 697,789 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 870,000 | | |
| 12 Storm Water Enterprise Asset Registry | - | | | | | | | | | - | | |
| 12 Asset Maintenance Management System | - | | | | | | | | | - | | |
| 12 Hydrologic, Hydraulic & Pollutant Modeling | - | | | | | | | | | - | | |
| 12 Analysis & Prioritizing of Deficiencies | - | | | | | | | | | - | | |
| 12 Capital Improvement Programming | - | | | | | | | | | - | | |
| Total Program Costs | 15,646,463 | 4,151,271 | 2,132,111 | 2,019,160 | 1,338,322 | 1,542,688 | 1,204,588 | 783,026 | 799,753 | 25,466,111 | 9,407,789 | |
| <i>Note: This schedule reflects actual costs and does not include depreciation or capitalization of storm drain improvements, which are included in the City's financial statements.</i> | | | | | | | | | | | | |

Superseded - See Attachment A

| User Fee Rate History | | | | Attachment C | | | | |
|--|-----------|--------------|--|--------------|----------------------------|---------------------------------------|--|---|
| <i>Note: CPI Index based upon LA - Orange - Riverside CPI-U (Urban City) Annual Change</i> | | | | | | | | |
| | CPI Index | % Change CPI | User Fee Index (Increase limited to 2% annually) | FY | Maximum User Fee Rate/ ERU | User Fee Rate Adopted by City Council | Estimated Annual User Fee Revenue - Not Actual | Estimated Incremental Cumulative Increase Annual Revenue from CPI |
| Feb | | | | | | | | |
| 2006 (rate enacted by the voters) | | | | | \$ 86.00 | \$ 86.00 | \$ 1,118,439 | |
| 2007 | 214.76 | 3.5% | 2.0% | FY07-08 | \$ 87.72 | \$ 87.72 | \$ 1,140,808 | \$ 22,369 |
| 2008 | 221.431 | 3.1% | 2.0% | FY08-09 | \$ 89.47 | \$ 89.47 | \$ 1,163,624 | \$ 45,185 |
| 2009 | 221.439 | 0.0% | 0.0% | FY09-10 | \$ 89.47 | \$ 89.47 | \$ 1,163,624 | \$ 45,185 |
| 2010 | 224.62 | 1.4% | 1.4% | FY10-11 | \$ 90.72 | \$ 90.72 | \$ 1,180,340 | \$ 61,901 |
| 2011 | 229.729 | 2.3% | 2.0% | FY11-12 | \$ 92.53 | \$ 92.53 | \$ 1,203,946 | \$ 85,507 |
| 2012 | 234.537 | 2.1% | 2.0% | FY12-13 | \$ 94.39 | ? | | |
| | | 12.4% | 9.4% | | | | | \$ 260,147 |
| Conservative estimate of user fee collected over 6 years | | | | | | | | \$ 6,970,781 |
| Estimated spent or committed in the WQFP fund through 6/30/2012 | | | | | | | | \$ 17,600,000 |
| Percentage spent or committed in the WQFP fund from user fee collected | | | | | | | | 40% |