

Drainage/Flood Control System

The City's drainage system consists of local and regional conveyance, detention, and storm water control facilities that provide protection from storms up to the 100-year event. The design storm is the 100-year, 24-hour event for detention facilities and the 100-year, 6-hour event for conveyances. The level of service required by current City code is to provide an adequate conveyance system to the farthest upstream property located within the city boundary.

There are five distinct, natural arroyo systems or watersheds within the city limits which flow from higher elevations in the northwest toward the lower elevations in the southeast: La Venada, La Barranca, Los Montoyas, Calabacillas and Black Arroyo. Smaller and contributing watersheds, and those located within the city's urban centers include: Rainbow Tributary Watershed, NM 528 Watershed, Rio Rancho Urban Center, and the Unnamed Watershed located between La Venada and La Barranca watersheds. Lastly, two recently annexed, though yet to be developed areas of the City known as Paradise West and Quail Ranch are within the jurisdiction of the Albuquerque Metropolitan Area Flood Control Authority (AMAFCA).

The Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA) has jurisdiction over all drainage and flood control facilities in the Sandoval County portion of Rio Rancho, while the City acts as SSCAFCA's designee for minor facilities that have drainage flows less than 500 cubic feet per second (cfs). Since its inception in 1990, SSCAFCA has constructed and now maintains more than 20 regional drainage and flood control facilities within the city limits. SSCAFCA capital projects and maintenance operations are supported by a \$1.867 and \$1.929 property tax mill levied per \$1,000 of assessed value of residential property and non-residential property, respectively.

As categorized in the Infrastructure and Capital Improvement Plan (ICIP), the drainage system does not refer to drainage infrastructure associated with roadway projects, but rather consists of stand-alone drainage, flood control, and erosion control projects the City will build, own, and maintain. A

comprehensive inventory of local drainage improvements does not currently exist due to data deficiencies in the City's Geographic Information System (GIS). In Fiscal Year 2013 the City is undertaking a five year plan for upgrading its GIS. A complete vetting of drainage data for accuracy to expose missing data and collection of missing data is required to achieve a complete and thorough inventory of the local drainage system.

Current Capacity, Condition, and Challenges

According to the City's Comprehensive Plan published in November 2010, "...serious problems with drainage, erosion, and flood control persist due to chronic underfunding of drainage projects." Because large areas of the city were platted on a bulk basis with no subdivision improvements such as paved streets or storm drains severe drainage problems during heavy rain events is an imminent danger in many parts of the City. Significant existing deficiencies exist in all sections of the City, particularly in the more populated areas east of Unser Blvd. Also, as more development occurs further up in the watersheds to the north and west of Unser Blvd., the risk of flood and property damage increases.

To date, the approach taken toward drainage/floodplain management within the City's jurisdiction has been two fold. First, the City has developed and enforces various ordinances governing flood prevention, erosion control and storm drainage, and the creation of subdivisions. Currently, the city has five basic ordinances governing development and the associated drainage infrastructure required. These ordinances include Chapters 150, 152, 153, 154, and 155 of the Municipal Code. Technical design standards, criteria, and guidelines have also been established jointly with SSCAFCA and incorporated in the City's Development Process Manual (DPM) to facilitate the planning, design, construction, and operation of public and private drainage control, flood control, and erosion control within the community. Despite these regulatory tools, the practice of the City has been to not enforce drainage requirements on areas with premature plating (i.e. those areas that were subdivided before the creation of drainage ordinances). The second part of the approach is to identify problem areas through city

staff assessments of risk and/or citizen complaints. Projects are then defined, designed, and constructed to address drainage infrastructure needs with the caveat of having sufficient funds available. As for floodplain management, the second part to the approach is the in-house identification of areas susceptible to flooding that are not identified by FEMA and the commissioning of detailed studies used to more accurately identify the flood potential of areas identified by FEMA as “Approximate A Zones.”

Infrastructure and Capital Improvement Plan Development

The City’s 2009 Strategic Plan, Goal 1, Strategy H establishes the goal to “enhance existing and explore new tools for addressing the drainage needs of the City.” Potential tools identified by staff include a drainage/flood plain master plan and individual watershed management plans.

Currently, a drainage/floodplain management master plan does not exist for the City. A drainage/floodplain management master plan would be intimately integrated into the general development plan as it would need to address specific types of development. As specific area plans are developed for the City, drainage facility plans could be developed assuming that the specific area plans were created based on watershed boundaries and sufficient funds are available for development of such plans. Funds are usually limited therefore, before drainage facility plans may be developed there needs to be a sufficient number of specific area plans in existence to identify the type of proposed development within the watershed.

In lieu of a drainage/floodplain master plan and drainage facility plans for individual drainage basins, city staff has developed in house assessments of required improvements to remedy existing deficiencies in various areas of the city. City staff also works cooperatively with SSCAFCA to identify areas and projects of critical need as well as review and approve drainage solutions for newly developed land within the city.

Developer Contributions

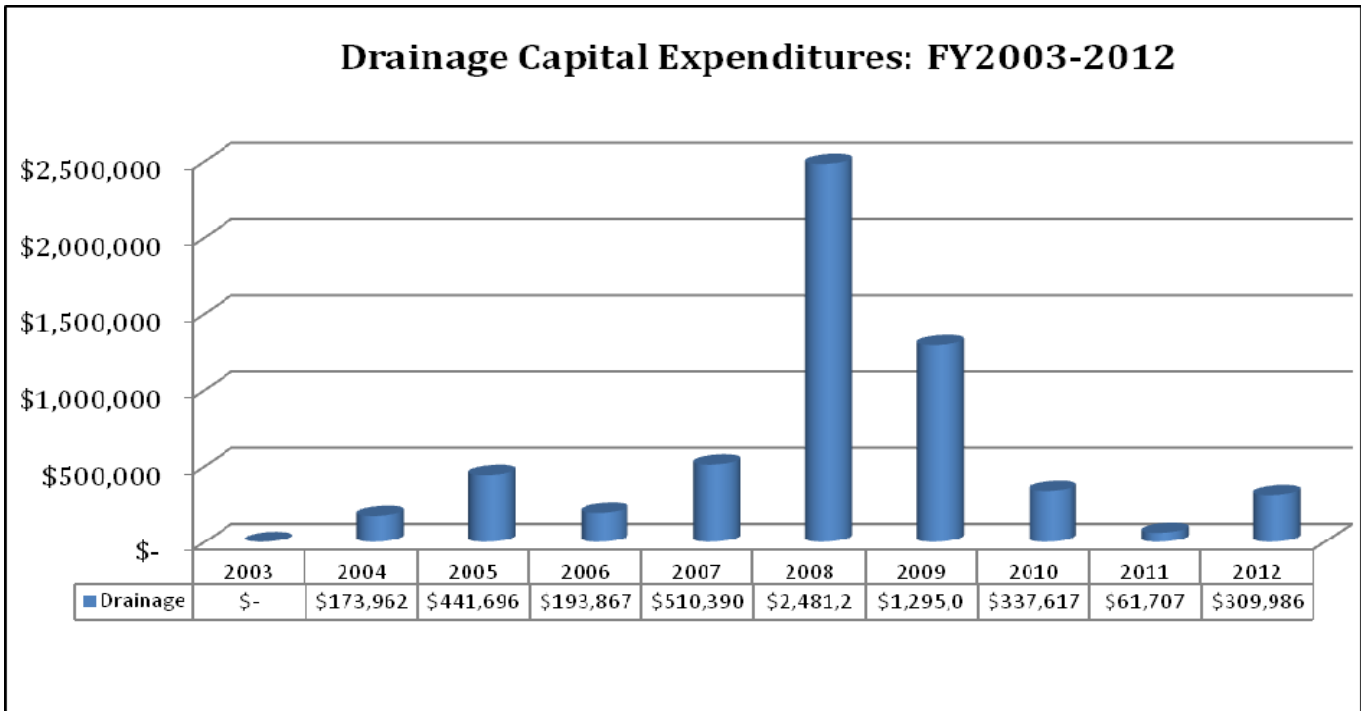
The City’s Impact Fee Plan and Ordinance, adopted in 2005, requires development in obsolete platted areas to pay drainage impact fees valued at \$4,465 for single family homes, \$1,191 for multi-family units, and \$1,786 per thousand square feet of non-residential building space. These funds are used to construct system level improvements in the city wide service area. In contrast, developers that assemble various properties and re-plate these properties for some further development are required by means of the aforementioned ordinances to construct all required drainage infrastructure. Drainage impact fees are not collected from this type of development. Dedication of drainage infrastructure to the City is typically restricted to surface street improvements, associated underground drainage pipeline, and local area detention ponds. Regional drainage facilities constructed as part of approved subdivisions and non-residential development areas are dedicated to SSCAFCA whose is responsible for maintenance. Some regional and local facilities are built for multi-purpose use as park land subject to the City’s park system objectives and design standards. The most recently example is the agreement for construction of the 3.5 acre Gateway Pond at the intersection of 22nd Avenue in 19th Street near the Petroglyph Medical Plaza in southern Rio Rancho.

Funding Sources

Drainage capital projects are funding through various sources, including:

- Intergovernmental grants and developer contributions
- Drainage Impact Fees
- General Fund direct spending and transfers

Drainage capital expenditures are down dramatically from their 10 year peak of \$2.5 million in Fiscal Year 2008. Significant expenditures for drainage infrastructure in Fiscal Years 2008 and 2009 were related to remediation and repair of channels and arroyos to their pre-flood condition after severe flooding throughout the City in the Summer of 2006. Funding for remediation projects include federal and state grants as well as general operating fund resources. In recent years, drainage impact fees have been the major funding source for the modest drainage infrastructure capital program. The City has also funded significant drainage infrastructure since Fiscal Year 2007 via Special Assessment Districts (SADs).



FY2013-FY2018: ICIP Summary

Rank Priority	Project No.	Project Title	Project to Date	2013 Budget Request	2013 Additional Spending Anticipated	2013 Total	2014	2015	2016	2017	2018	Funding Requested: FY13-FY18	Funding Source	Funding Source	Funding Source	Funding Source	Total Funding
													(A)	(B)	(C)	(D)	(A)+(B)+(C)+(D)
1	N/A	IPE Drainage Infrastructure for Hwy 528 Widening	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ 1,500,000	To Be Determined				
													\$ 1,500,000				\$ 1,500,000
2	PI0638	Los Milagros Channel Improvements	\$ 22,763	\$ 100,000	\$ 175,000	\$ 275,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 475,000	Contributions, Donations and Sponsorships	Impact Fees- Drainage	To Be Determined		
													\$ 19,886	\$ 129,006	\$ 326,108		\$ 475,000
3	N/A	Emergency Drainage Repair Projects	\$ -	\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000	To Be Determined				
													\$ 2,400,000				\$ 2,400,000
4	PI0835	Redriver Watershed Design/Construction (AKA Monterrey/Granada Drainage Improvements)	\$ 221,912	\$ -	\$ 800,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000	Impact Fees- Drainage	To Be Determined			
													\$ 572,166	\$ 227,834			\$ 800,000
5	PW0977	Montebella Flood Control Facility (above Iris Rd.)	\$ 40,756	\$ -	\$ 950,000	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,000	To Be Determined				
													\$ 950,000				\$ 950,000
6	PI0704	Alberta Watershed Infrastructure Improvements Phase II	\$ 8,016	\$ -	\$ 660,000	\$ 660,000	\$ 455,000	\$ -	\$ -	\$ -	\$ -	\$ 1,115,000	To Be Determined				
													\$ 1,115,000				\$ 1,115,000
7	N/A	City Center Detention Pond Land Acquisition	\$ -	\$ -	\$ 2,800,000	\$ 2,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,800,000	To Be Determined				
													\$ 2,800,000				\$ 2,800,000
8	N/A	Guadalajara Basin Improvements - Phase II	\$ -	\$ -	\$ 950,000	\$ 950,000	\$ 700,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,250,000	To Be Determined				
													\$ 2,250,000				\$ 2,250,000
9	N/A	Alberta Watershed Infrastructure Improvements Phase III	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000	To Be Determined				
													\$ 800,000				\$ 800,000
10	N/A	Christopher Point Drainage	\$ -	\$ -	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -	\$ 48,000	To Be Determined				
													\$ 48,000				\$ 48,000

FY2013-FY2018: ICIP Summary

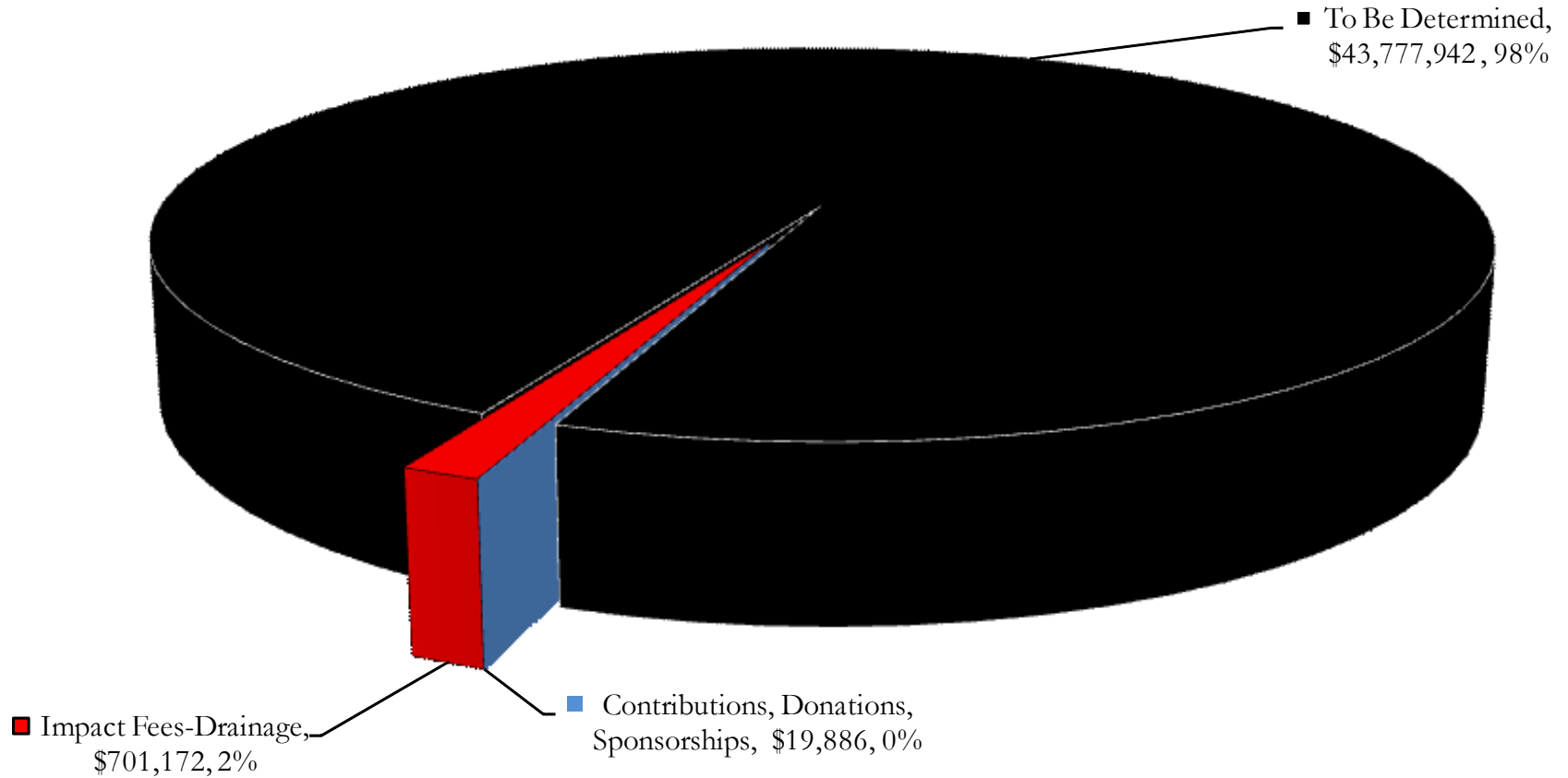
Rank Priority	Project No.	Project Title	Project to Date	2013 Budget Request	2013 Additional Spending Anticipated	2013 Total	2014	2015	2016	2017	2018	Funding Requested: FY13-FY18	Funding Source	Funding Source	Funding Source	Funding Source	Total Funding
													(A)	(B)	(C)	(D)	(A)+(B)+(C)+(D)
11	N/A	Unit 8 - Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 3,350,000	\$ 650,000	\$ -	\$ -	\$ -	\$ 4,000,000	To Be Determined				
													\$ 4,000,000				\$ 4,000,000
12	N/A	Unit 10 Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000	To Be Determined				
													\$ 2,500,000				\$ 2,500,000
13	N/A	Unit 11 Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000	\$ 650,000	\$ 2,100,000	\$ 700,000	\$ 4,650,000	To Be Determined				
													\$ 4,650,000				\$ 4,650,000
14	N/A	Unit 12 Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 520,000	\$ 990,000	\$ 500,000	\$ 500,000	\$ 3,010,000	To Be Determined				
													\$ 3,010,000				\$ 3,010,000
15	N/A	Unit 16 Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 5,000	\$ 20,000	\$ 490,000	\$ 1,015,000	To Be Determined				
													\$ 1,015,000				\$ 1,015,000
16	N/A	Unit 17 Drainage Land Improvements	\$ -	\$ -	\$ -	\$ -	\$ 1,475,000	\$ 1,625,000	\$ 1,475,000	\$ 1,475,000	\$ 1,475,000	\$ 7,525,000	To Be Determined				
													\$ 7,525,000				\$ 7,525,000
17	N/A	Unit 20 Drainage Improvements	\$ -	\$ -	\$ -	\$ -	\$ 530,000	\$ 910,000	\$ 940,000	\$ 500,000	\$ 500,000	\$ 3,380,000	To Be Determined				
													\$ 3,380,000				\$ 3,380,000
18	N/A	East Branch Black Arroyo Lining-- Southern Blvd. to Cabezon	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,161,000	\$ -	\$ -	\$ -	\$ 1,161,000	To Be Determined				
													\$ 1,161,000				\$ 1,161,000
19	N/A	West Branch Black Arroyo Improvements-- West of Unser	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000	To Be Determined				
													\$ 2,000,000				\$ 2,000,000
20	N/A	WWTP #3 Channel Stabilization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000	To Be Determined				
													\$ 2,000,000				\$ 2,000,000



2013-2018 Infrastructure and Capital Improvement Plan
Drainage

FY2013-FY2018: ICIP Summary

Rank Priority	Project No.	Project Title	Project to Date	2013 Budget Request	2013 Additional Spending Anticipated	2013 Total	2014	2015	2016	2017	2018	Funding Requested: FY13-FY18	Funding Source	Funding Source	Funding Source	Funding Source	Total Funding
													(A)	(B)	(C)	(D)	(A)+(B)+(C)+(D)
21	N/A	Grey Hawk Pond Rework	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	To Be Determined				
													\$ 20,000				\$ 20,000
22	PW1071	Chamisa Greens Detention Pond	\$ 25,597	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	To Be Determined				
													\$ 100,000				\$ 100,000
TOTALS			\$ 319,044	\$ 100,000	\$ 6,935,000	\$ 7,035,000	\$ 10,408,000	\$ 9,316,000	\$ 5,310,000	\$ 5,845,000	\$ 6,585,000	\$ 44,499,000					\$ 44,499,000



	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Contributions, Donations, Sponsorships	\$ 19,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,886
Impact Fees-Drainage	\$ 701,172	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 701,172
To Be Determined	\$ 6,313,942	\$ 10,408,000	\$ 9,316,000	\$ 5,310,000	\$ 5,845,000	\$ 6,585,000	\$ 43,777,942
TOTAL	\$ 7,035,000	\$ 10,408,000	\$ 9,316,000	\$ 5,310,000	\$ 5,845,000	\$ 6,585,000	\$ 44,499,000

1. PROJECT INFORMATION

Project Title	Industrial Park East Drainage Infrastructure for 528 Widening	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	1
Project Category	Drainage	CIP Year	FY2013	Project No.:	N/A
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	New Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project involves the design and construction of a drainage system to transport storm water run off from Hwy 528 to the Tortugas Arroyo on the east side of the Industrial Park.

3. PROJECT JUSTIFICATION

The NM DOT is widening Hwy 528 from Southern Blvd to Northern Blvd. As a result of this widening a portion of the ponding that currently exists on the west side of Hwy 528 will be eliminated. This in addition to the existing drainage issues within Industrial Park East (IPE) require that the required drainage infrastructure be constructed at the same time as the road widening.

4. PROJECT HISTORY AND STATUS

Drainage through IPE has been a long standing problem. There have even been a number of attempts at legal action as a result of the drainage issues. Several studies have been completed in the IPE area and they all agree that there is an actual issue that needs to be addressed. Given the lack of available funds there was an attempt to include the IPE in a Special Assessment District (SAD) to address the issue. As a result of property owner opposition the SAD attempt failed. The most recent study of the IPE area contained numerous options for addressing the drainage issue. Estimated construction costs for the various options range from approximately \$1.5 million to approximately \$2.1 million. As of FY12 no funding for this project exists. The NMDOT is showing a schedule for construction of the Hwy 528 widening to occur in 2017. Therefore, it is necessary to have sufficient funding available for the City to construct the required drainage infrastructure prior to or concurrent with the NMDOT project.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Quotes		\$ 100,000						\$ 100,000
Construction	Other			\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000		\$ 1,200,000
Construction Management	Other			\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000		\$ 200,000
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ 100,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ 1,500,000

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
To Be Determined			\$ 100,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000		\$ 1,500,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ -	\$ 100,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ 1,500,000

1. PROJECT INFORMATION

Project Title	Los Milagros Channel Improvements	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	2
Project Category	Drainage	CIP Year	FY2006	Project No.:	PI0638
Estimated Useful Life	Greater than 25 Years	District Location	Council District 3	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project includes channel improvements from the outlet of the Los Milagros Subdivision pond across Gemini Rd, across Chessman Rd to the Los Montoyas Arroyo. Construction will include channel grading and shaping, drop structures, culvert road crossings with concrete head walls, and outlet erosion protection.

3. PROJECT JUSTIFICATION

The project is required to protect road crossings and allow development of the area. The permit issued by the Army Corp. of Engineers (USACoE) under Section 404 of the Clean Water Act expired in 2011 and an extended permit will be required. The permit is required for any work done in a "tributary or waterway of the United States." Without construction of drainage improvements prior to the expiration of existing permits, development in the area cannot proceed.

4. PROJECT HISTORY AND STATUS

USACoE permits were issued in 2006. The project was not funded and completed within the 2011 permits and an extended permit is required upon availability of funding for construction. To help finance the project, a Special Condition for Building Permit Approval was filed with Sandoval County on February 11, 2005. The special condition required a total of 41 lots along Chessman Dr., Istle Rd., Garden Rd., Gemini Rd., and Holly Ct. to either build a grade control structure in accordance with City requirements or contribute a sum of \$7,275 for such drainage construction. To date, the City has collected \$42,650 in contribution revenue. As residence develop along the project alignment and additional funding is identified, the project will proceed with design and construction. Because the city lacks funding for the ultimate drainage solution, construction of temporary grading improvements was completed using infrastructure fund capital funds in June 2010 at a total cost of \$22,763.05.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Recent City project	\$ 587	\$ 25,000						\$ 25,587
Construction	Recent City project	\$ 22,176	\$ 200,000	\$ 200,000					\$ 422,176
Construction Management	Other		\$ 50,000						\$ 50,000
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 22,763	\$ 275,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 497,763

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Contributions, Donations and Sponsorships	305-Infrastructure Fund	\$ 22,763	\$ 19,886						\$ 42,649
Impact Fees- Drainage	355-Impact Fees Drainage		\$ 129,006						\$ 129,006
To Be Determined			\$ 126,108	\$ 200,000					\$ 326,108
TOTAL		\$ 22,763	\$ 275,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 497,763

1. PROJECT INFORMATION

Project Title	Emergency Drainage	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	3
Project Category	Drainage	CIP Year	FY2013	Project No.:	N/A
Estimated Useful Life	Greater than 25 Years	District Location	Multiple Districts	Project Request Status	Unfunded Previous Project Request

2. PROJECT DESCRIPTION AND SCOPE

Installation of temporary drainage, stabilization and erosion controls as needed throughout the city wide service area in response to flood disasters. The project will also involve construction of improvements to areas affected by major floods beyond pre-flood conditions.

3. PROJECT JUSTIFICATION

To provide access and/or safety for residents after a devastating storm event.

4. PROJECT HISTORY AND STATUS

Storm events and the resulting damage are unpredictable and emergency funds need to be available to address issues as they arise. Most recently, the city experience flood disasters in multiple units in the summer of 2006. This project is an unfunded previous project request included in the city's ICIP since FY11 and represents the need for a reserve fund for accumulating resources for emergency flood projects.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications									\$ -
Construction	Other		\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000
Construction Management									\$ -
Equipment/Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
To Be Determined		\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ -	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,400,000

1. PROJECT INFORMATION

Project Title	Red River Watershed/Monterrey-Granada Drainage Improvements	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	4
Project Category	Drainage	CIP Year	FY2008	Project No.:	PI0835
Estimated Useful Life	Greater than 25 Years	District Location	Council District 6	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project involves construction of a drainage pond at the intersection of Granada Rd. and Monterrey Rd. Additional scope includes re-designing the drainage system (outlet pipe) from Sonora Rd. through the pond and out to the HWY528 right-of-way. Pond construction, inlet piping and outlet structures along with some roadway improvements in Monterrey are all part of the Red River Watershed project.

3. PROJECT JUSTIFICATION

The construction of the project is required to allow current development in the area (E.g. Church of the Incarnation property). Also, this drainage infrastructure is necessary to allow other future public improvements in the surrounding residential area successful.

4. PROJECT HISTORY AND STATUS

Land acquisition was completed in Fiscal Year 2008 and design of the detention pond and outlet pipe was completed in May 2009. The project is a revised project request originally planned for construction in Fiscal Year 2010, however full funding remains unavailable. As revised, the project has fallen in priority rank from No. 1 to No. 4 within the Drainage facility category and will now be constructed in Fiscal Year 2013 and 2014, contingent upon identification of an additional \$227,834 for construction activities.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW	Recent City project	\$ 181,009							\$ 181,009
Design and Specifications	Recent City project	\$ 40,904							\$ 40,904
Construction	Cost Consultant		\$ 727,273						\$ 727,273
Construction Management	Cost Consultant		\$ 72,727						\$ 72,727
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 221,912	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,021,912

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
General Fund Revenues	305-Infrastructure	\$ 87,387	\$ -						\$ 87,387
Impact Fees- Drainage	355-Impact Fees Drainage	\$ 134,526	\$ 572,166						\$ 706,692
To Be Determined			\$ 227,834						\$ 227,834
									\$ -
									\$ -
TOTAL		\$ 221,912	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,021,912

1. PROJECT INFORMATION

Project Title	Monte Bella Flood Control	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	5
Project Category	Drainage	CIP Year	FY2009	Project No.:	PW0977
Estimated Useful Life	Greater than 25 Years	District Location	Council District 6	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project includes the design & construction of a flood control detention pond to the south of the Monte Bella Subdivision.

3. PROJECT JUSTIFICATION

The project is required to complete the drainage system requirements for the Monte Bella Subdivision and contributing watersheds.

4. PROJECT HISTORY AND STATUS

The project began with project definition and land acquisition in August of 2005 and a preliminary drainage report was created by University of New Mexico students on 7/31/08. Gannett Fleming was commissioned to evaluate the student's report and design the required pond. Design was completed in July 2009. Because the project was not funded and completed within 2011, the Army Corp. of Engineer's (USACoE) Section 404 Clean Water Act permit has expired. An extended permit will be required to construct the project. The project is a revised project request originally planned for construction in fiscal year 2010, however funding remains unavailable. As revised, the project has risen in priority rank from No. 8 to no. 5 within the Drainage facility category and will now be constructed in Fiscal Year 2013, contingent upon identification of an additional \$950,000 for construction activities.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Recent City project	\$ 40,756							\$ 40,756
Construction	Cost Consultant		\$ 863,636						\$ 863,636
Construction Management	Cost Consultant		\$ 86,364						\$ 86,364
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 40,756	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990,755

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
State Grants	315-SAP Capital Fund	\$ 26,488							\$ 26,488
Impact Fees- Drainage	355-Impact Fees Drainage	\$ 14,268							\$ 14,268
To Be Determined			\$ 950,000						\$ 950,000
									\$ -
									\$ -
TOTAL		\$ 40,756	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 990,755

1. PROJECT INFORMATION

Project Title	Alberta Watershed Phase II	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	6
Project Category	Drainage	CIP Year	FY2007	Project No.:	PI0704
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	Unfunded Previous Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project includes design and construction of storm water control systems from Saratoga to the pond at the corner of Alberta Avenue and Hwy 528. An additional lot or easement will need to be purchased for the Pond outlet.

3. PROJECT JUSTIFICATION

The project is required to complete the second of three phases of a drainage system in Unit 17 to control storm water run off from contributing watersheds.

4. PROJECT HISTORY AND STATUS

The project began with project definition and land acquisition in 2005. In July 2006, Huitt-Zollars was hired to finalize the design for Phase I-Rio Vista. Phase I-Rio Vista was constructed in 2007 at a total project cost of \$880,000. Phase II was originally included as part of Special Assessment District (SAD) 7. Because this portion of SAD 7 did not materialize the project has been placed on hold pending identification of additional financial resources. The project is a revised project request originally planned for construction in fiscal year 2010. As revised, the project has risen in priority rank from No. 9 to No. 6 within the Drainage facility category and will now be constructed in Fiscal Year 2013, contingent upon identification of an approximately \$1,115,000 for construction activities.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review	Recent City project	\$ 8,016							\$ 8,016
Land Acq./ROW	Recent City project		\$ 82,592						\$ 82,592
Design and Specifications	Cost Consultant		\$ 51,620						\$ 51,620
Construction	Cost Consultant		\$ 474,168	\$ 455,000					\$ 929,168
Construction Management	Cost Consultant		\$ 51,620						\$ 51,620
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 8,016	\$ 660,000	\$ 455,000	\$ -	\$ -	\$ -	\$ -	\$ 1,123,016

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
General Fund Revenues	101-General Fund	\$ 8,016							\$ 8,016
To Be Determined			\$ 660,000	\$ 455,000					\$ 1,115,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ 8,016	\$ 660,000	\$ 455,000	\$ -	\$ -	\$ -	\$ -	\$ 1,123,016

1. PROJECT INFORMATION

Project Title	City Center Detention Pond Land Acquisition	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	7
Project Category	Drainage	CIP Year	FY2013	Project No.:	N/A
Estimated Useful Life	Greater than 25 Years	District Location	Council District 6	Project Request Status	Unfunded Previous Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project is for the purchase of conveyance easements and stormwater pipeline construction for run off from the City Center. Planning references include the Southern Sandoval County Arroyo Flood Control (SSCAFCA) City Center Drainage Development Plan (pending publication) and the University of New Mexico (UNM) West Master Plan (in progress). The final version of both plans will affect the ultimate drainage solution for City Center storm water runoff and tentative plans involve a stormwater pipeline from the outlet at the end of Civic Center Circle to the Barrancas Arroyo.

3. PROJECT JUSTIFICATION

The City Center run off is currently being discharged in opposition to the current City of Rio Rancho (CoRR) policies. To correct this situation the CoRR must purchase land, design and build the proper drainage infrastructure. According to the 2009 City Center Master Plan, the SSCAFCA City Center Drainage Plan contemplates cost sharing among the City, SSCAFCA, and UNM.

4. PROJECT HISTORY AND STATUS

City Center was constructed in 2007 and since that time the City has been discharging stormwater runoff onto private property. In December 2009, a temporary detention pond was constructed as part of the Hewlett Packard Infrastructure project at the corner of King and Civic Center Circle. City staff will pursue collaborative efforts with UNM and SSCAFCA on long range drainage solutions for the City Center Area and plans to pursue land acquisition, contingent upon identification of funding. This project is a revised project request. As revised, the project has fallen in priority rank from No. 2 to No. 7 within the Drainage ICIP.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW	Recent City project		\$ 2,800,000						\$ 2,800,000
Design and Specifications									\$ -
Construction									\$ -
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ 2,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,800,000

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
To Be Determined		\$ -	\$ 2,800,000						\$ 2,800,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ -	\$ 2,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,800,000

1. PROJECT INFORMATION

Project Title	Guadalajara Basin Improvements Phase II	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	8
Project Category	Drainage	CIP Year	FY2013	Project No.:	N/A
Estimated Useful Life	Greater than 25 Years	District Location	Council District 6	Project Request	Unfunded Previous Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project includes design and construction of storm water control systems within the Guadalajara Watershed (Unit 17). The complete scope is to be determined by the available funding. It will include land purchase for stormwater detention ponds and possible drainage easements. The project will include the design and construction of required ponds and other drainage infrastructure. There may even be some road paving with curb and gutter.

3. PROJECT JUSTIFICATION

The project is a continuation of the Phase I portion of the project constructed by SSCAFCA.

4. PROJECT HISTORY AND STATUS

The project was originally included in the Unit 17 portion of SAD 7, however was excluded by action of the Governing Body in April 2008. The project is a revised project request originally planned for design and construction in fiscal year 2010, however funding was unavailable. As revised, the project has risen in priority rank from no. 10 to No. 8 within the Drainage facility category and is now planned for design in Fiscal Year 2013 and construction in Fiscal Years 2013-2015, contingent upon identification of \$2,250,000 in funding.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW	Recent City project		\$ 350,000						\$ 350,000
Design and Specifications	Cost Consultant		\$ 250,000						\$ 250,000
Construction	Cost Consultant		\$ 150,000	\$ 700,000	\$ 600,000				\$ 1,450,000
Construction Management	Cost Consultant		\$ 200,000						\$ 200,000
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ 950,000	\$ 700,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,250,000

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
To Be Determined		\$ -	\$ 950,000	\$ 700,000	\$ 600,000	\$ -			\$ 2,250,000
									\$ -
									\$ -
									\$ -
TOTAL		\$ -	\$ 950,000	\$ 700,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 2,250,000

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