

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 know 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 most drainage and flood control facilities in the Sandoval County portion of Rio Rancho, while the City of Rio Rancho 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 \$1.916 property tax mill levied per \$1,000 of assessed value of residential and non-residential property within its boundaries.

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. Staff

continues to develop a comprehensive inventory of local and regional drainage improvements, however Geographic Information System (GIS) data is incomplete and under review at this time. In Fiscal Year 2013, staff commenced a five year plan to upgrade its GIS system, including personnel, software, and hardware. A complete vetting of drainage data for completeness and accuracy is an ongoing activity performed by the Public Works, GIS section. Metrics summarizing the size and extent of the drainage system will be forthcoming for inclusion in this introductory section in future years.

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 deficiencies exist in all sections of the city, particularly in the more populated areas east of Unser Boulevard. Also, as more development occurs further up in the watersheds to the north and west of Unser Boulevard, 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. 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 drainage/floodplain master plans and individual watershed management plans. SSCAFCA has developed individual drainage master plans for all major watersheds within the city limits. As specific area plans are developed for the city, drainage facility plans will 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.

City staff updates its capital plan concurrent with the annual budget process by which current year capital appropriations are requested to address priority infrastructure needs. Staff regularly 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. As drainage infrastructure needs are identified and funding secured projects are incorporated into the city’s Infrastructure and Capital Improvement Plan (ICIP).

Developer Contributions

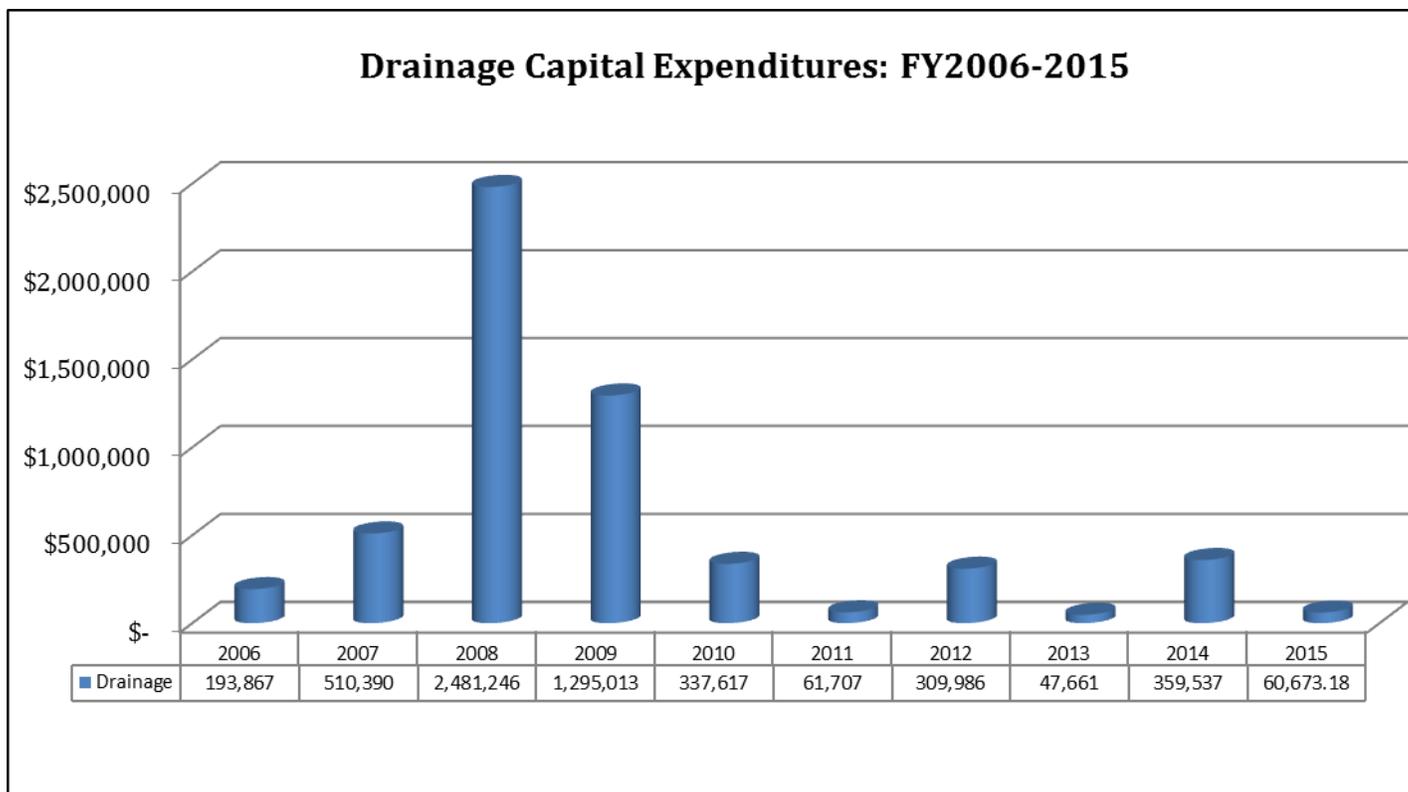
The city’s Impact Fee Plan and Ordinance, adopted in 2005, requires development in obsolete platted areas to pay drainage impact fees valued at \$4,465 for single family homes, \$1,191 for multi-family units, and \$1,786 per thousand square feet of non-residential building space. These funds are used to construct system level improvements in the city wide service area. In Fiscal Year 2015, development in obsolete platted areas accounted for seven percent (7%) of all residential development. In contrast, developers that assemble various properties and re-plat these properties for 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 pipelines, and local area detention ponds. Regional drainage facilities constructed as part of approved subdivisions and non-residential development areas are dedicated to SSCAFCA who 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. Effective September 22, 2012 through September 22, 2014, impact fees were reduced by 50 percent (50%) for residential construction and by 100 percent (100%) for non-residential construction. The amount of estimated foregone drainage impact fee resources during this period was \$210,656.

Funding Sources

Drainage capital expenditures are supported by various sources, including:

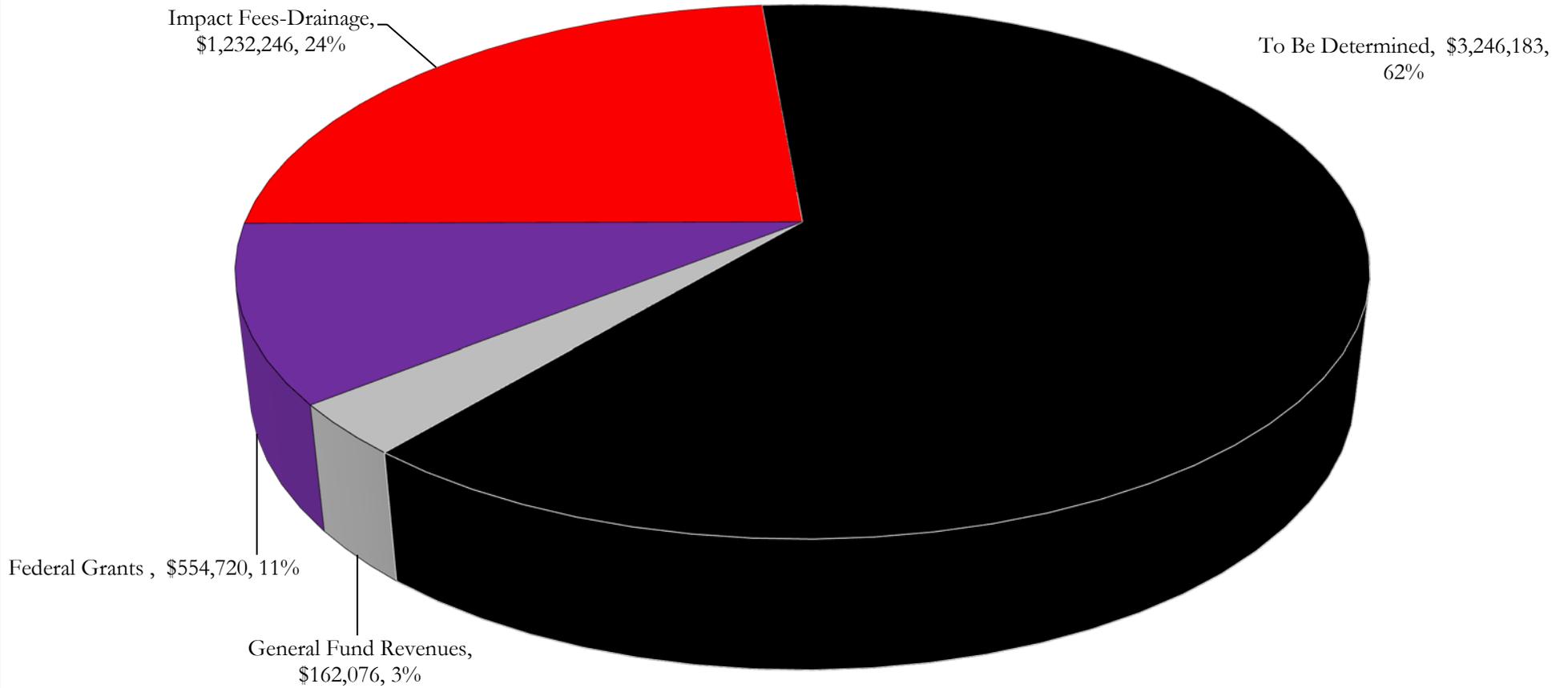
- Drainage impact fees
- Contributions and Donations
- Intergovernmental grants
- General Fund transfers

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 main funding source for the modest drainage infrastructure capital program, accounting for nearly eighty percent (80%) of expenditures. The city also funded significant drainage infrastructure between Fiscal Years 2007 and 2011 via Special Assessment Districts (SADs).



FY2016-FY2021: ICIP Summary

Rank Priority	Project No.	Project Title	Project to Date	2016 Budget	2016 Additional Spending Anticipated	2016 Total	2017	2018	2019	2020	2021	Funding Requested: FY16-FY21	Funding Source	Funding Source	Funding Source	Total Funding
													(A)	(B)	(C)	(A)+(B)+(C)
1	PI0638	Los Milagros Channel Improvements	\$ 428,193	\$ 50,000	\$ 501,449	\$ 551,449	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 551,449	Impact Fees-Drainage			\$ 551,449
2	N/A	Industrial Park East (IPE) Drainage Infrastructure for NM528 Widening	\$ -	\$ -	\$ -	\$ -	\$ 214,489	\$ 2,184,889	\$ -	\$ -	\$ -	\$ 2,399,378	Impact Fees-Drainage	To Be Determined		\$ 2,399,378
3	PW1567	Sportscomplex Armoring	\$ 22,830	\$ -	\$ 716,795	\$ 716,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 716,795	General Fund Revenues	Federal Grants		\$ 716,795
4	N/A	Christopher Point Pond Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 136,770	\$ -	\$ -	\$ 136,770	Impact Fees-Drainage			\$ 136,770
5	N/A	Grey Hawk Pond Rework	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 139,232	\$ -	\$ 139,232	Impact Fees-Drainage			\$ 139,232
6	PI0835	Redriver Watershed (Monterey/Granada) Drainage Improvements	\$ 221,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,251,600	\$ 1,251,600	Impact Fees-Drainage	To Be Determined		\$ 1,251,600
TOTALS			\$ 672,936	\$ 50,000	\$ 1,218,245	\$ 1,268,245	\$ 214,489	\$ 2,184,889	\$ 136,770	\$ 139,232	\$ 1,251,600	\$ 5,195,225				\$ 5,195,225



	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
General Fund Revenues	\$ 162,076						\$ 162,076
Federal Grants	\$ 554,720						\$ 554,720
Impact Fees-Drainage	\$ 551,449	\$ 128,436	\$ 130,684	\$ 136,770	\$ 139,232	\$ 145,675	\$ 1,232,246
To Be Determined		\$ 86,053	\$ 2,054,205			\$ 1,105,925	\$ 3,246,183
TOTAL	\$ 1,268,245	\$ 214,489	\$ 2,184,889	\$ 136,770	\$ 139,232	\$ 1,251,600	\$ 5,195,225

**DRAINAGE
PROJECTS UNDER CONSIDERATION**

Rank	Project Name	Fiscal Year(s)	Project Estimate
7	Chamisa Greens Detention Pond	2018-2020	\$ 87,000
8	MonteBella Flood Control	2019	\$ 950,000
9	City Center Facility Plan-Storm Drainage & Land Acquisition	2019	\$ 10,530,978
10	Guadalajara Basin Improvements Phase II	2018-2020	\$ 2,250,000
11	Alberta Watershed Phase III	2018-2019	\$ 1,000,000
12	WWTP#3 Channel Stabilization	2018-2020	\$ 1,950,000
13	Paseo del Volcan Dam-City Portion	2018	\$ 1,527,682
14	Nicklaus Channel Outfall	2019	\$ 188,011
15	Antigua Road Outfall	2016-2020	\$ 250,000
	TOTAL		\$ 18,733,671

1. PROJECT INFORMATION

Project Title	Los Milagros Channel Improvements	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	1
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, allow development of the area, and prevent potential loss of private property in the event of a flood.

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 was obtained prior to Phase I 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. Due to the city's lack of funding for the ultimate drainage solution, construction of temporary grading improvements were completed using infrastructure fund capital funds in June 2010 at a total cost of \$22,763. Design of the ultimate drainage for the Los Milagros subdivision to Gemini Rd. was completed in October 2013 and construction of Phase I was completed in May 2014. Design of Phase II improvements from Gemini Rd. to Los Montoya's was completed in October 2014, and construction will commence after the 2015 monsoon season.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Recent City project	\$ 93,921							\$ 93,921
Construction	Recent City project	\$ 312,170	\$ 527,410						\$ 839,580
Construction Management	Recent City project	\$ 22,102	\$ 24,040						\$ 46,142
Equipment/Vehicle									\$ -
Other									\$ -
TOTAL		\$ 428,193	\$ 551,449	\$ -	\$ 979,642				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Contributions, Donations and Sponsorships	305-Infrastructure Fund	\$ 42,650	\$ -						\$ 42,650
Impact Fees-Drainage	355-Impact Fees Drainage	\$ 385,543	\$ 551,449						\$ 936,992
									\$ -
TOTAL		\$ 428,193	\$ 551,449	\$ -	\$ 979,642				

1. PROJECT INFORMATION

Project Title	Industrial Park East Drainage Infrastructure for NM 528 Widening	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	2
Project Category	Drainage	CIP Year	FY2014	Project No.:	PW1439
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	Revised 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 New Mexico Highway 528 (NM528) to the Tortugas Arroyo on the east side of the Industrial Park. The ultimate design solution is pending final design of the NM528 Improvements project from Ridgecrest Dr. to Northern Blvd. by the New Mexico Department of Transportation (NMDOT).

3. PROJECT JUSTIFICATION

The NMDOT is widening NM528 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 NM528 will be eliminated. This in addition to the existing drainage issues within Industrial Park East (IPE) that require 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 NMDOT is showing a schedule for construction of the NM528 widening to begin in September 2016 to increase the service level of the road as a result of increased development. As a result of this road improvement additional drainage infrastructure will be required. 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. City staff has met with NMDOT and will make a budget request in the FY17 Budget for potential cost sharing for these drainage improvements.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Other			\$ 214,489					\$ 214,489
Construction	Other				\$ 2,184,889				\$ 2,184,889
Construction Management	Other								\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ -	\$ -	\$ 214,489	\$ 2,184,889	\$ -	\$ -	\$ -	\$ 2,399,378

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Impact Fees- Drainage	355-Impact Fees Drainage			\$ 128,436	\$ 130,684				\$ 259,120
To Be Determined				\$ 86,053	\$ 2,054,205	\$ -			\$ 2,140,258
									\$ -
									\$ -
TOTAL		\$ -	\$ -	\$ 214,489	\$ 2,184,889	\$ -	\$ -	\$ -	\$ 2,399,378

1. PROJECT INFORMATION

Project Title	Sportscomplex Armoring	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	3
Project Category	Drainage	CIP Year	FY2015	Project No.:	PW1567
Estimated Useful Life	Greater than 25 Years	District Location	Council District 4	Project Request Status	Revised Project Request

2. PROJECT DESCRIPTION AND SCOPE

The project consists of constructing flood control measures, such as gabion reinforcement (or an equal permanent solution) of the south bank or the Montoya's Arroyo which abuts the north side of the Sports Complex. Repair of the eroding bank will require importation and installation of approximately 15,556 cubic yards of fill dirt, and stabilization with gabions approximately 3,000 linear feet up to seven feet above the arroyo invert.

3. PROJECT JUSTIFICATION

The city's main sports fields are at great risk due to the meandering Montoya's Arroyo. The arroyo in its natural state, has significantly eroded the north side of the facility where playing fields and a skate park are located. The project will enhance the site's existing flood control measures and protect the Sports Complex and its patrons in the long term by eliminating the repeated, steep and large scale erosion of the north side of the complex. Since the erosion is repetitive, having occurred in 2006, 2010, and 2013, mitigation action is desired.

4. PROJECT HISTORY AND STATUS

Staff submitted a Notice of Interest (NOI) to the Federal Emergency Management Agency (FEMA) for Mitigation Grant funding in March 2014. The estimated total damages for the last ten year period resulting from the inadequate drainage situation has been estimated to be \$138,182. In April 2014, FEMA notified the city of the project's eligibility for Mitigation Grant funding and a full application was submitted on September 29, 2014 for federal assistance and is currently under review.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Recent City project	\$ 22,830	\$ 38,048						\$ 60,879
Construction	Cost Consultant		\$ 678,747						\$ 678,747
Construction Management									\$ -
Other									\$ -
TOTAL		\$ 22,830	\$ 716,795	\$ -	\$ 739,626				

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
General Fund Revenues	101-General Fund	\$ 6,848	\$ 57,000						\$ 63,848
General Fund Revenues	305-Infrastructure Fund	\$ -	\$ 105,076						\$ 105,076
General Fund Revenues	307-Infr Rehab Fund	\$ 15,982	\$ -						\$ 15,982
Federal Grants			\$ 554,719						\$ 554,719
TOTAL		\$ 22,830	\$ 716,795	\$ -	\$ 739,626				

1. PROJECT INFORMATION

Project Title	Chamisa Greens Detention Pond	Requesting Department	Dept. of Public Work/Engineering	Department Rank Priority No.	4
Project Category	Drainage	CIP Year	FY2016	Project No.:	PW1071
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 reconstruction a drainage pond in the Chamisa Greens gated subdivision.

3. PROJECT JUSTIFICATION

When the house at 708 Troon Dr was constructed it reduced the size of the detention pond making it function at a reduced capacity from its original design.

4. PROJECT HISTORY AND STATUS

In April of 2010 Gannett Fleming completed a re-analysis and re-design of the pond. Neighbors have been complaining for years about the improper design and outfall of the pond.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	City contract or price agreement	\$ 25,597							\$ 25,597
Construction	Other				\$ 30,247	\$ 30,247	\$ 30,247		\$ 90,741
Construction Management									\$ -
Equipment/ Vehicle									\$ -
Other									\$ -
TOTAL		\$ 25,597	\$ -	\$ -	\$ 30,247	\$ 30,247	\$ 30,247	\$ -	\$ 116,338

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
State Capital Outlay Appropriation To Be Determined	315-SAP Capital Fund	\$ 25,597							\$ 25,597
					\$ 30,247	\$ 30,247	\$ 30,247		\$ 90,741
									\$ -
									\$ -
									\$ -
TOTAL		\$ 25,597	\$ -	\$ -	\$ 30,247	\$ 30,247	\$ 30,247	\$ -	\$ 116,338

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	FY2019	Project No.:	PW0977
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 consists of design and 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 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.

5. CAPITAL COSTS

PHASE	SOURCE(S) OF COST INFO	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	TOTAL
Planning and Feasibility									\$ -
Pre Design and Env. Review									\$ -
Land Acq./ROW									\$ -
Design and Specifications	Recent City project	\$ 40,756							\$ 40,756
Construction	Other					\$ 900,772			\$ 900,772
Construction Management	Other					\$ 90,078			\$ 90,078
Equipment/Vehicle									\$ -
Other									\$ -
TOTAL		\$ 40,756	\$ -	\$ -	\$ -	\$ 990,850	\$ -	\$ -	\$ 1,031,606

6. PROPOSED SOURCES OF FUNDING

REVENUE SOURCE	EXPENDITURE FUND	PRIOR YEARS	FY16	FY17	FY18	FY19	FY20	FY21	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						\$ 990,850			\$ 990,850
									\$ -
									\$ -
TOTAL		\$ 40,756	\$ -	\$ -	\$ -	\$ 990,850	\$ -	\$ -	\$ 1,031,606

Los Milagros Channel Improvements (PI0638)

Temporary grading improvements were completed in June 2010 at a cost of \$22,763, while design of the ultimate drainage solution for the Los Milagros subdivision to Gemini Rd. was completed in October 2013. Construction of Phase 1 improvements to Gemini Rd. were completed in May 2014 and design of Phase 2 improvements from Gemini Rd. to Los Montoyas' Arroyo were completed in October 2014. Construction of Phase 2 improvements will commence after the 2015 monsoon season. Project funding to date consists of developer contributions (\$42,650) and drainage impact fees (\$886,993). The Fiscal Year 2016 Budget includes an additional appropriation of \$50,000 in drainage impact fees for Phase 2 improvements.

Sports Complex Armoring (PW1567)

The project consists of flood control measures to the south bank of Los Montoyas' Arroyo which abuts the north side of the Sports Complex. The city's main sports fields are at great risk due to the meandering Los Montoyas' Arroyo, which in its natural state has significantly eroded the north side of the facility. Total estimated damages over the last ten years resulting from the inadequate drainage situation are \$138,182. Staff has submitted an application for federal assistance in the total project amount \$739,626. Of that amount \$184,906 represents the local match share which the city has secured via in kind materials and services donations, and commitment of general fund sources.

