AMAFCA

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

Pictured: North Domingo Baca Dam Expansion

FY 2025 PROJECT SCHEDULE

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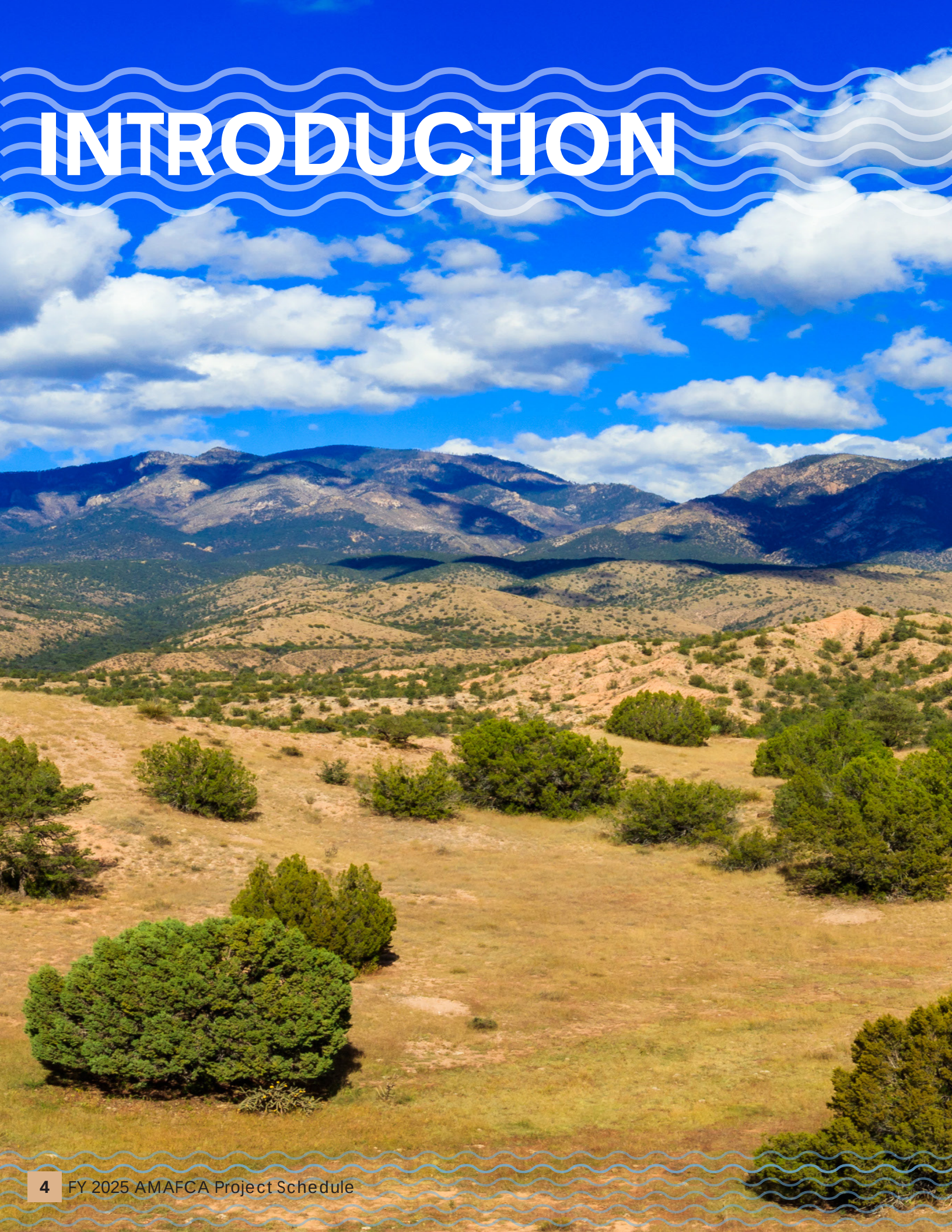
INTRODUCTION



PREFACE

Today, more than 675,000 people live and work in the Albuquerque urban area. Through this year's Project Schedule, AMAFCA displays its commitment to continue to invest in flood control and drainage so Albuquerque's future generations will have the maximum level of protection from the effects of flooding through fiscally responsible flood control actions and multi-use facilities that complement and enhance the beauty of our City.

-Ronald D. Brown, Chair, AMAFCA Board of Directors 2024

ACKNOWLEDGMENTS

This project schedule was developed with the assistance of the City of Albuquerque, Bernalillo County, New Mexico Department of Transportation, and the Middle Rio Grande Conservancy District.

AMAFCA PROJECT SCHEDULE TEAM

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BACKGROUND

The Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) was created in 1963 by the New Mexico State Legislature to protect life and property through the design, construction, operation, and maintenance of major flood control and stormwater quality facilities in the greater Albuquerque metropolitan area. AMAFCA's jurisdiction includes most of the developed area of Bernalillo County, not including areas of the East Mountains and the Rio Puerco basin. AMAFCA is governed by a five-member Board of Directors, elected to six-year terms. The five AMAFCA Districts are shown on page 13.

Since its creation, AMAFCA has invested over $260,000,000 in infrastructure that includes 21 flood control dams, 56 smaller flood-control ponds, 76 miles of arroyo channels, 14 miles of underground conduit structures, and 10 miles of dikes and diversion structures. AMAFCA stormwater quality and debris-removal facilities annually collect an average of 50,000 cubic yards of sediment and 1,500 cubic yards of trash from stormwater runoff before entering the Rio Grande. In addition to building infrastructure, outreach and education is also an important part of AMAFCA's mission to protect life, property, and the environment. AMAFCA is an active member of the Ditch and Water Safety Task Force, the Levee Task Force, the Compliance Monitoring Cooperative, and the Stormwater Quality Team.

AMAFCA owns or has easements on 4,000 acres of property used for flood control, much of which is made available for joint uses such as bike trails, recreational fields, equestrian areas, hang glider and hot-air balloon landing areas, open space, wildlife habitat, and golf courses.

PROJECT SCHEDULE PROCESS

The Project Schedule identifies future planning efforts, joint funding initiatives, design, and construction projects that AMAFCA hopes to accomplish over the next six fiscal years (FYs; July 1 to June 30 of each year). The projects selected for the FY 2025 Project Schedule were derived from an extensive review and analysis of approximately 400 different planned flood control and water quality projects within AMAFCA's jurisdiction. Each project was evaluated by assessing current and future needs and regulatory priorities.

All of the projects identified strive to improve and protect stormwater quality. Projects in the FY 2025 Project Schedule were prioritized (as required by AMAFCA's Municipal Separate Storm Sewer System permit) relative to other stormwater quality facilities based on cost, existing Best Management Practices within the subbasin (effectiveness), and proximity to the Rio Grande.

Recommendations for project inclusion in the FY 2025 Project Schedule were presented to the AMAFCA Board of Directors over a series of public meetings held in the winter of 2023 and spring of 2024. More than $825 Million in proposed projects were vetted.

AMAFCA FY 2025 PROJECT SCHEDULE

The FY 2025 Project Schedule covers a six-year planning horizon, from FY 2025 through FY 2030 and identifies over $91 Million in potential AMAFCA funding for flood control, drainage management and stormwater quality projects within AMAFCA's jurisdiction. Project funding is best leveraged with other public and private funds to maximize the value to the community. The FY 2025 Project Schedule includes construction of the Zuni-Penn Pond, Hubbell Lake Dam Expansion, North Unser Pond, and the Piedras Marcadas Dam Outfall. A continuation of studies and planning efforts, such as the North Albuquerque Acres - Sandia Heights Hydraulic Analyses, as well as updates to existing AMAFCA drainage master plans, are included in this year's project schedule.

Although the Albuquerque metropolitan area only receives approximately 8.4 inches of rain per year, the resulting runoff carries large amounts of sediment, trash, and debris with it. AMAFCA continues to enhance the quality of stormwater runoff prior to entering the Rio Grande by the installation, retrofit, or modification of flood control facilities. Retrofits or modifications to existing facilities identified in the FY 25 Project Schedule include the Black Mesa Phase 1 Manhole Upgrades, Grantline Water Quality Lining, North & South Diversion Channel Surveys, and other AMAFCA facilities.

This schedule is dependent on voter approval of $25,000,000 Bond Authorizations at the general elections to be held in 2024, 2026, and 2028.

The AMAFCA funding in this project schedule can be categorized as follows:

Drainage Deficiencies in Existing Neighborhoods	28%	$25.9 M
Rehabilitation of Existing Flood Control Facilities	13%	$11.8 M
Master Planned Drainage Facilities	57%	$51.7 M
Storm Water Quality Projects (retrofits and new projects)	2%	$1.8 M

AMAFCA-managed projects (lead) account for over 90% of the projects listed. The Project Schedule includes projects to be managed by other agencies with AMAFCA funding:

LEAD AND CONTRACTING AGENCY	PERCENT OF TOTAL	TOTAL PROJECTS
AMAFCA	92%	25
City of Albuquerque	2%	2
Bernalillo County	6%	1

BOND ELECTIONS

AMAFCA issues general obligation bonds (paid for by property taxes) for the purpose of extending, modifying, reconstructing, repairing and otherwise improving AMAFCA's flood control system. AMAFCA's bond elections currently request $25,000,000 authorizations. The bond elections are held every two years, with the next two scheduled for November 2024 and 2026. All bond elections have passed since the inception of AMAFCA in 1963 with an average pass rate of more than two to one.

It is AMAFCA's intention to maintain a stable mill levy to meet the debt service requirements. AMAFCA has held its debt service mill levy of 0.675 steady since 1999. AMAFCA utilizes a 10-year maturity for bonds and currently does not intend on extending it for future issuances. AMAFCA currently has a legal debt limit of $80,000,000. Using current bond amortization schedules and projected schedules for future debt, we do not anticipate exceeding $75,000,000 of debt.

The corresponding charts below show AMAFCA's mill levy history for the last ten years for residential, non-residential, and total tax rates as well as the history of total assessed valuation and growth/(decline) from the previous year.

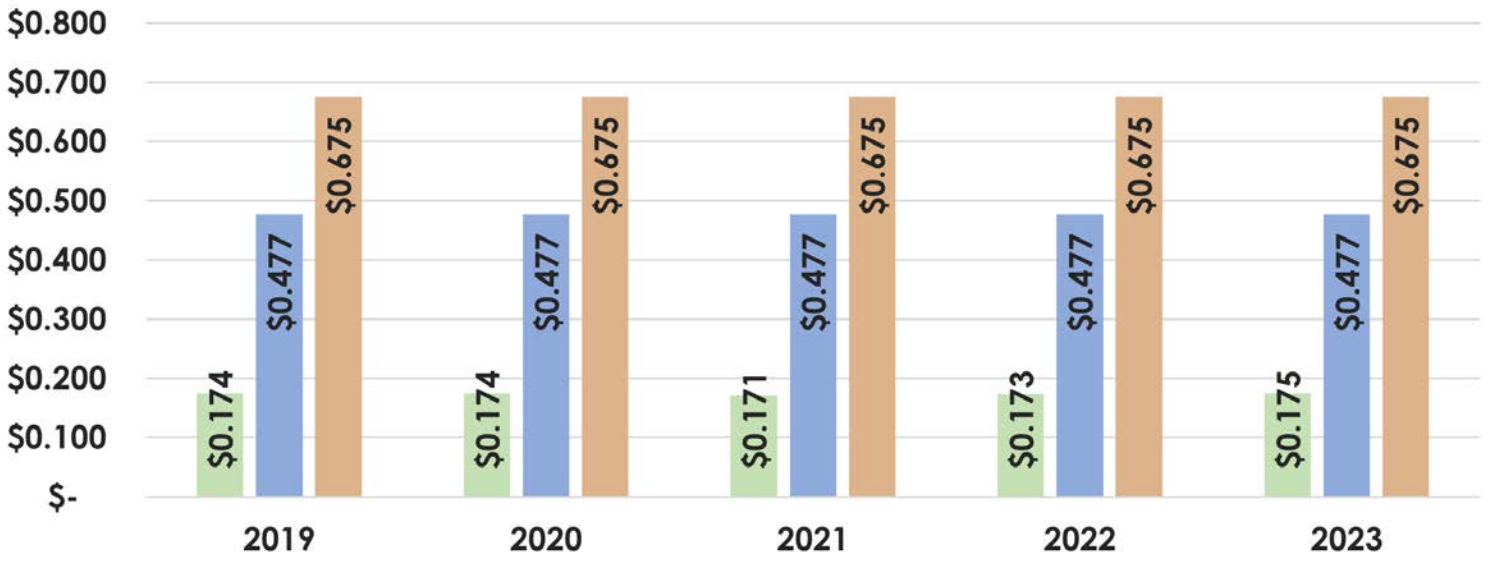
All projects in this schedule will be designed and built using private sector services including appraisers, surveyors, consulting engineers, and construction contractors.

HISTORY OF AMAFCA TAX RATES

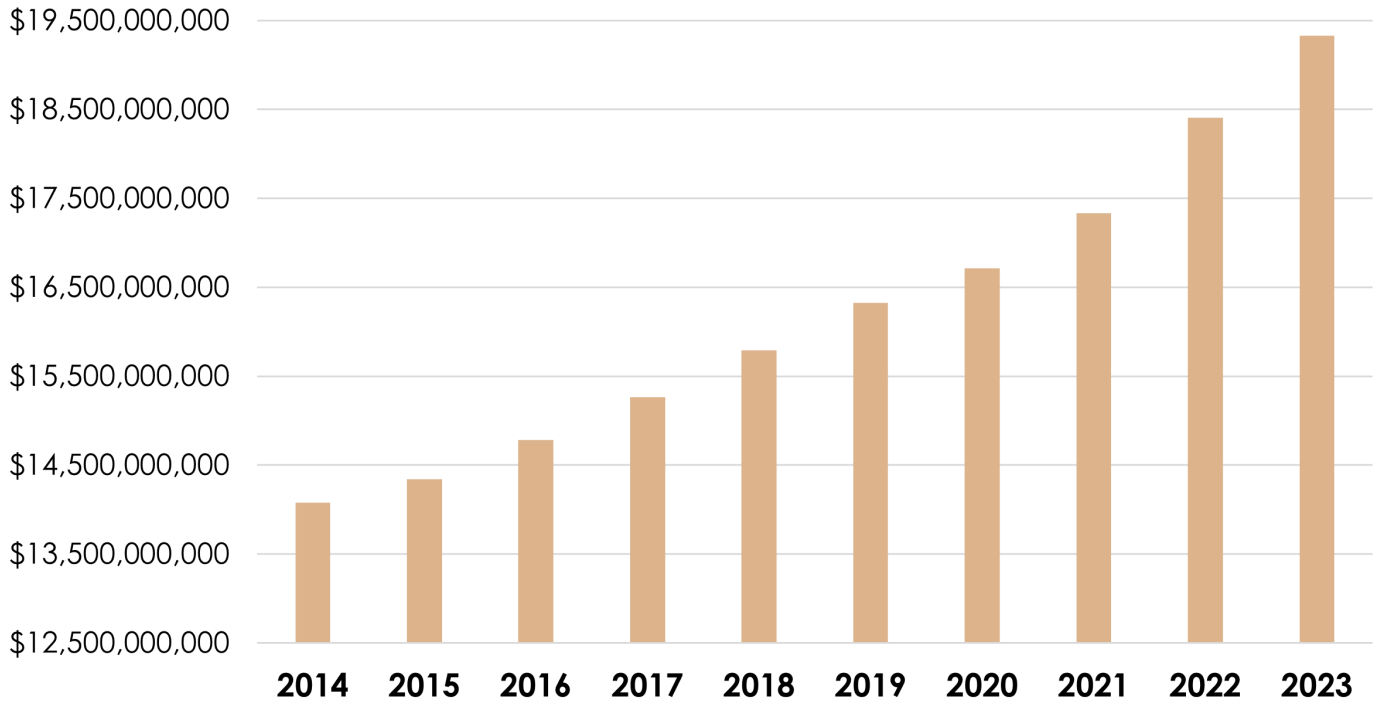
Tax Year	*Operational Tax Rates*			*Total Tax Rates*	
	Residential	Non-Residential	Debt Service	Residential	Non-Residential
2014	**0.177**	**0.477**	**0.675**	**0.852**	**1.152**
2015	**0.177**	**0.477**	**0.675**	**0.852**	**1.152**
2016	**0.173**	**0.477**	**0.675**	**0.848**	**1.152**
2017	**0.171**	**0.477**	**0.675**	**0.846**	**1.152**
2018	**0.172**	**0.477**	**0.675**	**0.847**	**1.152**
2019	**0.174**	**0.477**	**0.675**	**0.849**	**1.152**
2020	**0.174**	**0.477**	**0.675**	**0.849**	**1.152**
2021	**0.171**	**0.477**	**0.675**	**0.846**	**1.152**
2022	**0.173**	**0.477**	**0.675**	**0.848**	**1.152**
2023	**0.175**	**0.477**	**0.675**	**0.85**	**1.152**

-Operational mill levy is capped at 0.5 mills by legislation

-No cap on debt service mill levy



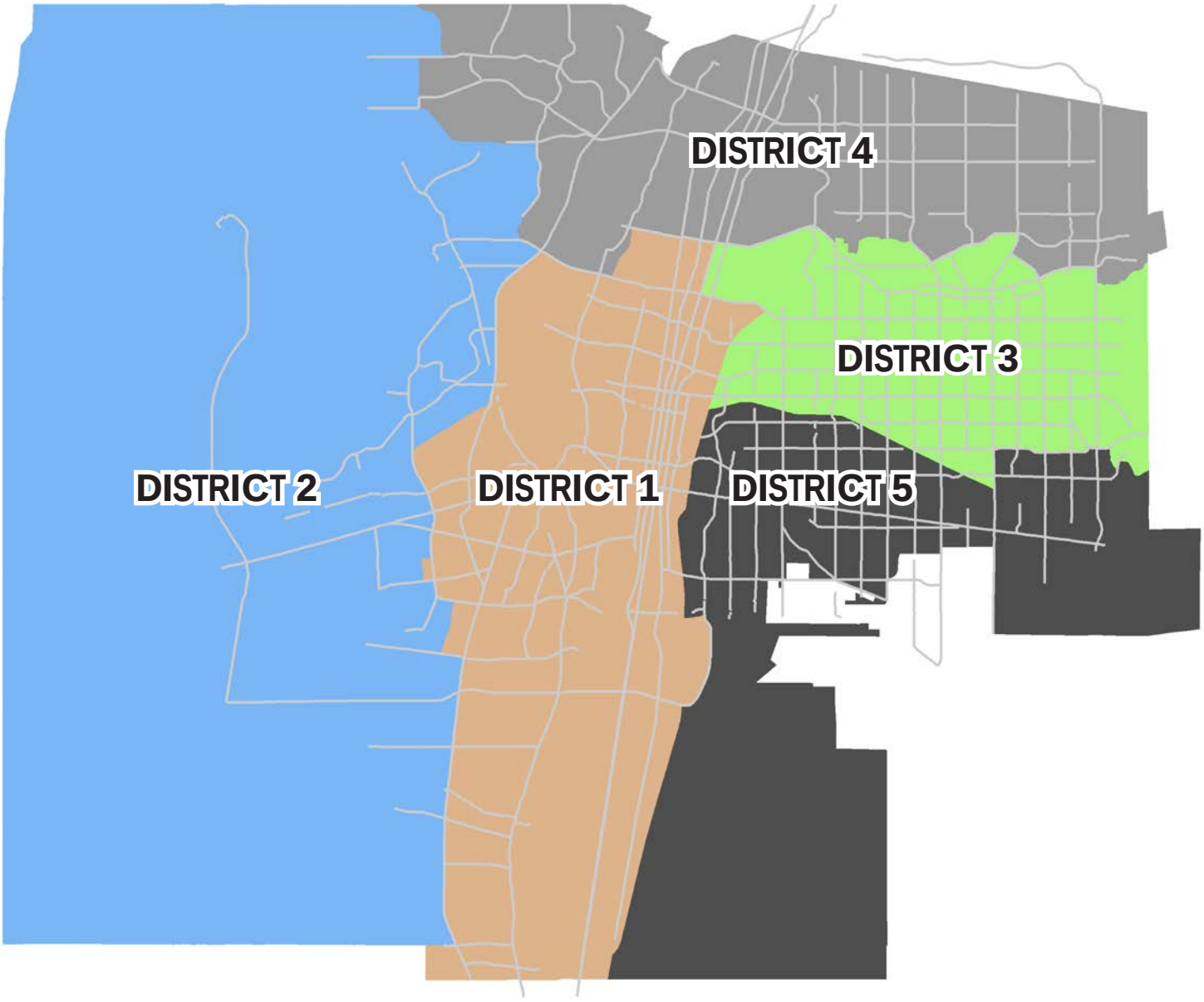
AMAFCA ASSESSED VALUATION



HISTORICAL ASSESSED VALUATIONS

Tax Year	*Assessed Valuation*	*% Change From Previous Year*
2014	$ 14,078,601,230	1.2%
2015	$ 14,341,027,265	1.9%
2016	$ 14,781,524,958	3.1%
2017	$ 15,264,359,979	3.3%
2018	$ 15,790,177,471	3.4%
2019	$ 16,326,098,367	3.4%
2020	$ 16,710,565,904	2.4%
2021	$ 17,334,649,451	3.7%
2022	$ 18,403,637,814	6.2%
2023	$ 19,331,642,894	5.0%

DISTRICT MAP



2024 AMAFCA BOARD OF DIRECTORS & THEIR DISTRICTS:

Elizabeth Newlin Taylor	District 1
Orlando G. Martinez, Jr.,	District 2
Tim Eichenberg	District 3
Ronald D. Brown	District 4
Bruce M. Thomson	District 5

GRANT FUNDING

The FY 2025 Project Schedule assumes that all of AMAFCA's financial contributions to projects identified will be through the issuance of voter-approved general obligation bonds. There may be available grant opportunities for individual projects where funding is awarded through a competitive grant program at the federal or state level. Some types of grants that could be eligible for AMAFCA are Building Resilient Infrastructure and Communities (BRIC) grants, and Hazard Mitigation Grant Program (HMGP) grants. Projects that are identified as potentially eligible for grant funding are noted with a black and blue house symbol and were deemed eligible following the criteria below.

- Projects that aim to reduce or eliminate long-term risk to people and property from future disasters.

- Projects that are capability- and capacity-building activities which enhance the knowledge, skills and expertise of the current workforce to expand or improve the administration of mitigation assistance.

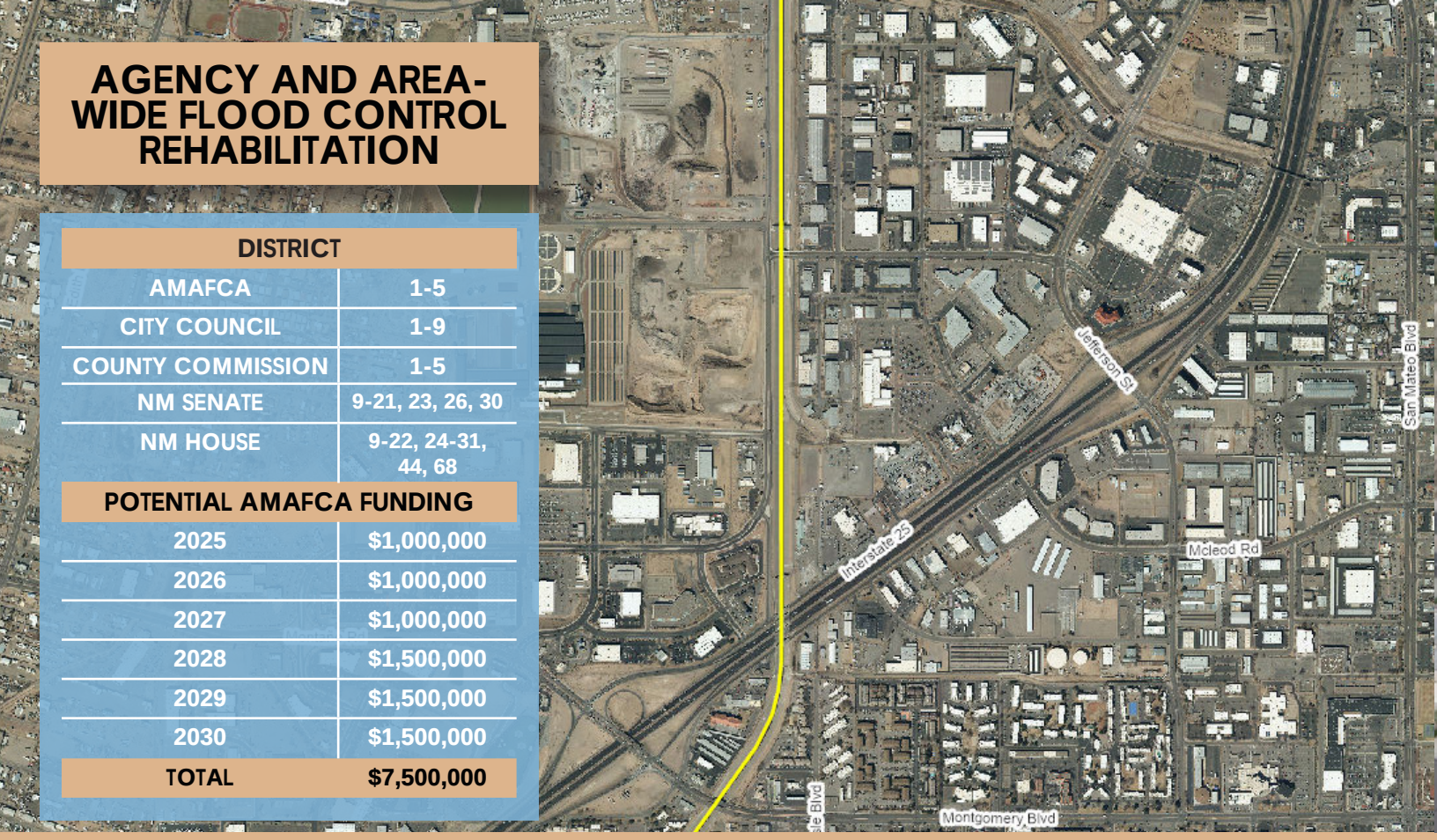
This is strictly a planning and budgeting document for use by the AMAFCA Board of Directors.

This Project Schedule utilized various criteria to establish general project priorities from a technical perspective, which may not necessarily reflect the priorities used by the Board of Directors for funding and construction of individual projects. Specific projects will be funded and scheduled by AMAFCA Board action based on evaluation of public safety needs, cost-sharing benefits, and orderly development of flood control infrastructure which addresses overall community needs and regional planning requirements.

PROJECTS

AGENCY AND AREA-WIDE FLOOD CONTROL REHABILITATION

DISTRICT	
AMAFCA	1-5
CITY COUNCIL	1-9
COUNTY COMMISSION	1-5
NM SENATE	9-21, 23, 26, 30
NM HOUSE	9-22, 24-31, 44, 68
POTENTIAL AMAFCA FUNDING	
2025	$1,000,000
2026	$1,000,000
2027	$1,000,000
2028	$1,500,000
2029	$1,500,000
2030	$1,500,000
TOTAL	$7,500,000



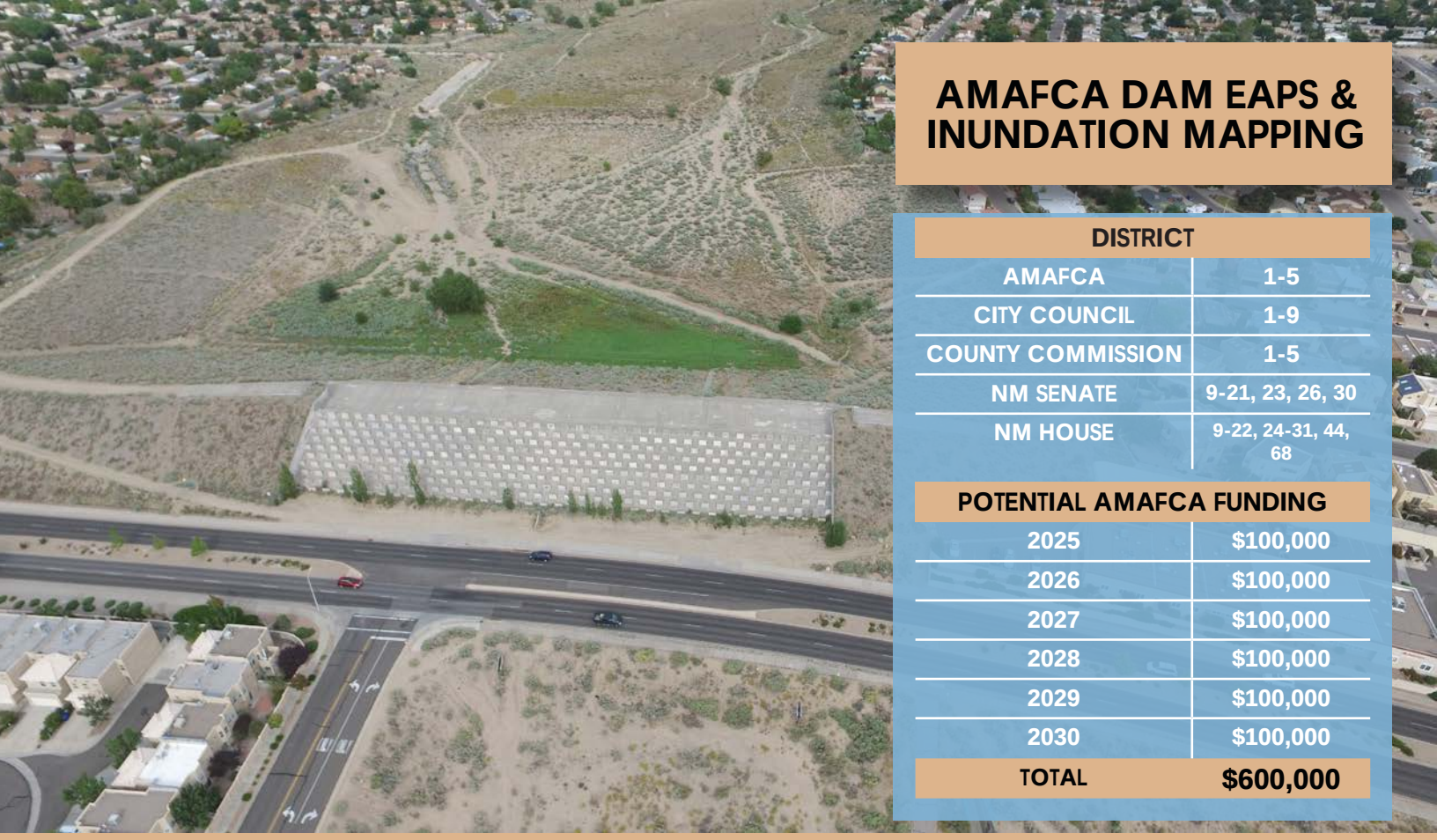
TOTAL COST: $7,500,000 | **SPONSORS:** AMAFCA

DESCRIPTION

Much of the drainage and flood control infrastructure within AMAFCA's jurisdiction is now over 50 years old. To extend the life of the infrastructure, AMAFCA has started repairing, replacing, and applying a concrete overlay to various sections of channel (e.g., the North Diversion Channel). Various upstream sources provide constant trickle water that keeps the bottom wet leading to concrete degradation. A new overlay includes a gentle slope across the bottom to force the trickle water to one side, further extending the lifespan of the concrete as well as addressing maintenance repairs along the main channel and side inlets.

OBJECTIVES: *Provide channel stability, Provide/enhance facility maintenance*

PARTNERS: *COA, Other Governmental Agencies*



AMAFCA DAM EAPS & INUNDATION MAPPING

DISTRICT	
AMAFCA	1-5
CITY COUNCIL	1-9
COUNTY COMMISSION	1-5
NM SENATE	9-21, 23, 26, 30
NM HOUSE	9-22, 24-31, 44, 68

POTENTIAL AMAFCA FUNDING	
2025	$100,000
2026	$100,000
2027	$100,000
2028	$100,000
2029	$100,000
2030	$100,000
TOTAL	**$600,000**

SPONSORS: AMAFCA | **TOTAL COST:** $600,000

OBJECTIVES: *Provide emergency planning and mapping.*

PARTNERS: *Emergency Responders, OSE-DSB*

DESCRIPTION

An Emergency Action Plan (EAP) is a formal plan required by the Office of the State Engineer Bureau of Dam Safety that identifies potential emergency conditions at a dam and outlines the procedures to follow to minimize property damage and loss of life. This project will include the development and preparation of an EAP and inundation maps for AMAFCA's jurisdictional dams. The EAP will contain procedures to be followed during emergencies, such as structural problems, equipment malfunctions, or natural events such as floods or earthquakes that could approach or exceed the dam design limits. Inundation mapping will outline the evacuation boundaries for the community on a map in the event of a dam failure.

AMAFCA DRAINAGE MANAGEMENT PLAN UPDATES

DISTRICT	
AMAFCA	1-5
CITY COUNCIL	1-9
COUNTY COMMISSION	1-5
NM SENATE	9-21, 23, 26, 30
NM HOUSE	9-22, 24-31, 44, 68
POTENTIAL AMAFCA FUNDING	
2025	$300,000
2026	$300,000
2027	$300,000
2028	$300,000
2029	$300,000
2030	$300,000
TOTAL	**$1,800,000**

TOTAL COST: $1,800,000 | **SPONSORS:** AMAFCA

DESCRIPTION

AMAFCA has many existing Drainage and Water Quality Master Plans (DMPs) in place that outline the requirements for developed conditions and identify the needed drainage infrastructure to support such development. These DMPs must be updated regularly to reflect current conditions, to bring the hydrologic analysis to current standards of engineering practice, and to identify new or modify planned drainage infrastructure in the watershed.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues, Provide/enhance storm water quality*

PARTNERS: *COA, BC, Private Development*

AMAFCA TELEMETRY PHASE 2

DISTRICT	
AMAFCA	1 - 5
CITY COUNCIL	1 - 9
COUNTY COMMISSION	1 - 5
NM SENATE	9-21, 23, 26, 30
NM HOUSE	9-22, 24-31, 44, 68
POTENTIAL AMAFCA FUNDING	
2025	$200,000
2026	-
2027	$50,000
2028	$500,000
2029	$50,000
2030	$500,000
TOTAL	**$1,300,000**

SPONSORS: AMAFCA | **TOTAL COST:** $1,300,000

OBJECTIVES: *Provide early hazard warning, Provide/enhance facility maintenance, Provide/enhance storm water quality*

PARTNERS: *COA, BC, Emergency Responders*

DESCRIPTION

The second phase of AMAFCA's flood control system telemetry project will provide automated data reporting for AMAFCA facilities with no existing telemetry system. The installation of automated telemetry for AMAFCA facilities will be especially beneficial in the event of inclement weather as it will enhance AMAFCA's ability to observe flood control system conditions remotely; allowing for focused observation by AMAFCA staff concerning the amount and quality of water moving through the system. The telemetry project will report details about the depth of water at the location, possible environmental reporting such as rainfall rate, select water quality parameters, and may include video reporting.

AMOLE ARROYO & HUBBELL CHANNEL MODIFICATIONS

DISTRICT	
AMAFCA	2
CITY COUNCIL	3
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	12

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	$700,000
2028	$4,400,000
2029	$4,400,000
2030	-
TOTAL	**$9,500,000**

TOTAL COST: $9,500,000 | **SPONSORS:** AMAFCA

DESCRIPTION

This project includes a redirection of the Amole Arroyo directly into the Hubbell Channel instead of the Amole Dam and improvement of the Hubbell Channel to alleviate capacity issues in Amole Dam. This redirection will allow for greater overall system capacity between the Amole and Hubbell Dams. The existing Amole Dam secondary spillway into the Hubbell Channel would still be retained, keeping the operation of Amole Dam consistent with current practice.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues*

PARTNERS: *None*

BLACK MESA PHASE 1 MANHOLE UPGRADES

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	$160,000
2029	$1,440,000
2030	-
TOTAL	**$1,600,000**

SPONSORS: AMAFCA | **TOTAL COST:** $1,600,000

OBJECTIVES: *Provide/enhance facility maintenance, Reduce drainage/flooding issues*

PARTNERS: *USACE, BC*

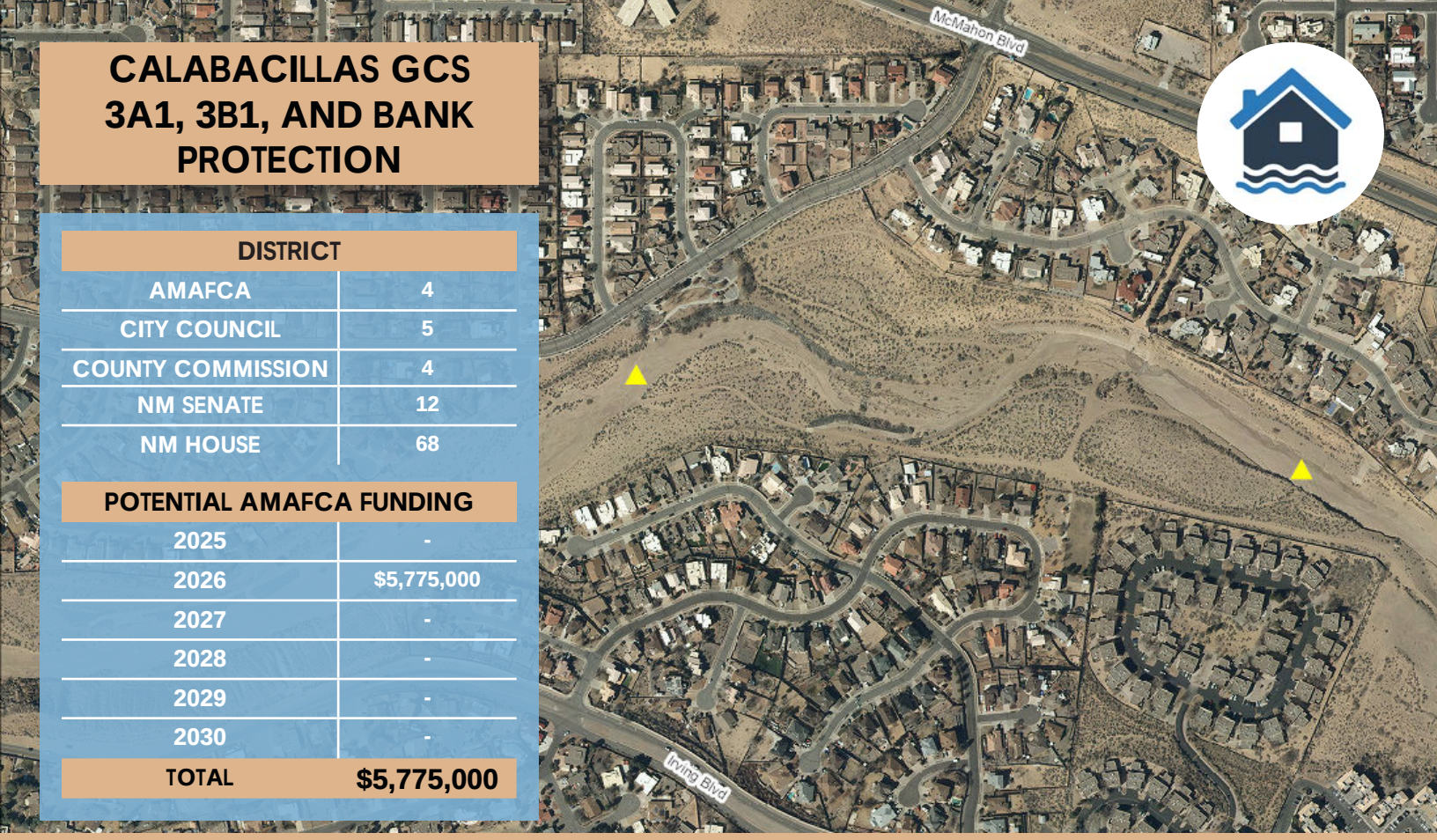
DESCRIPTION

The Black Mesa Storm Drain is an approximately 7,000 linear foot storm drain under Raymac Road and Isleta Blvd. The storm drain was completed in 2010 and is now connected to the upstream dams via several subsequent projects. The pressurized nature of the pipe required special manhole construction. The current configuration makes maintenance difficult. The project will reconfigure several manhole locations for easier pipe maintenance and access.

CALABACILLAS GCS 3A1, 3B1, AND BANK PROTECTION

DISTRICT	
AMAFCA	4
CITY COUNCIL	5
COUNTY COMMISSION	4
NM SENATE	12
NM HOUSE	68

POTENTIAL AMAFCA FUNDING	
2025	-
2026	$5,775,000
2027	-
2028	-
2029	-
2030	-
TOTAL	**$5,775,000**



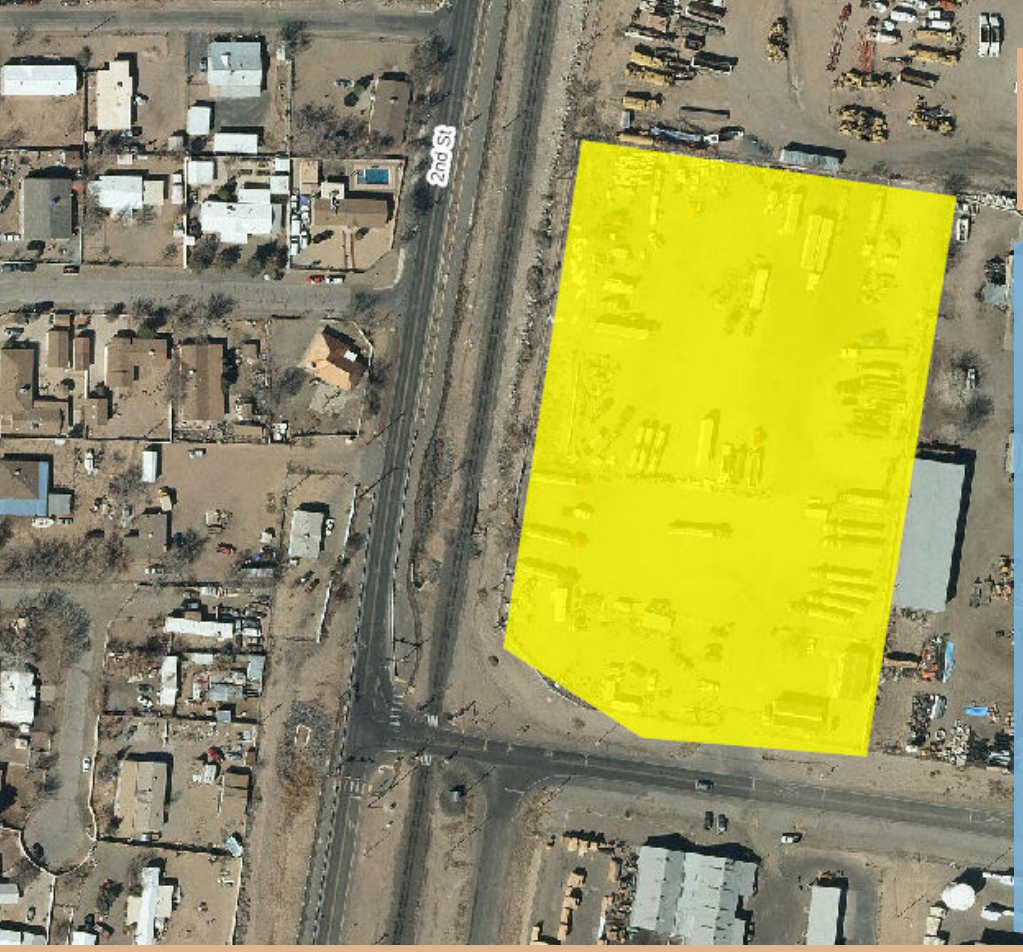
TOTAL COST: $5,775,000 | **SPONSORS:** AMAFCA

DESCRIPTION

The Calabacillas Arroyo is unique to the Albuquerque metropolitan area as it is maintained to preserve its natural aesthetic with engineered structures. To maintain a both natural aesthetic and stability, numerous grade control structures were constructed along the arroyo to allow development and provide flood protection. Calabacillas Grade Control Structures 3a1 and 3b1 were identified in the Calabacillas Arroyo Facility Plan as needed structures to provide vertical and lateral erosion control of the Calabacillas Arroyo. The additional bank protection will assist in lateral erosion control as well.

OBJECTIVES: *Provide/enhance bank protection, Provide channel stability*

PARTNERS: *COA Open Space Division*



DESERT & 2ND STREET POND

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING	
2025	-
2026	$575,000
2027	$4,825,000
2028	-
2029	-
2030	-
TOTAL	**$5,400,000**

SPONSORS: AMAFCA | **TOTAL COST:** $5,400,000

DESCRIPTION

A detention pond near the intersection of Desert Rd. and 2nd Street will provide storage for stormwater that drains toward the railroad. Adding this relief reduces the flowrate to an acceptable level to cross under the existing railroad crossing which has limited capacity. Construction of this facility will also allow for development along Desert Rd. and Industry Way.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues, Remove floodplain*

PARTNERS: *BC*

GRANTLINE WATER QUALITY LINING

DISTRICT	
AMAFCA	3
CITY COUNCIL	4
COUNTY COMMISSION	3
NM SENATE	15
NM HOUSE	15

POTENTIAL AMAFCA FUNDING	
2025	$540,000
2026	-
2027	-
2028	-
2029	-
2030	-
TOTAL	**$540,000**

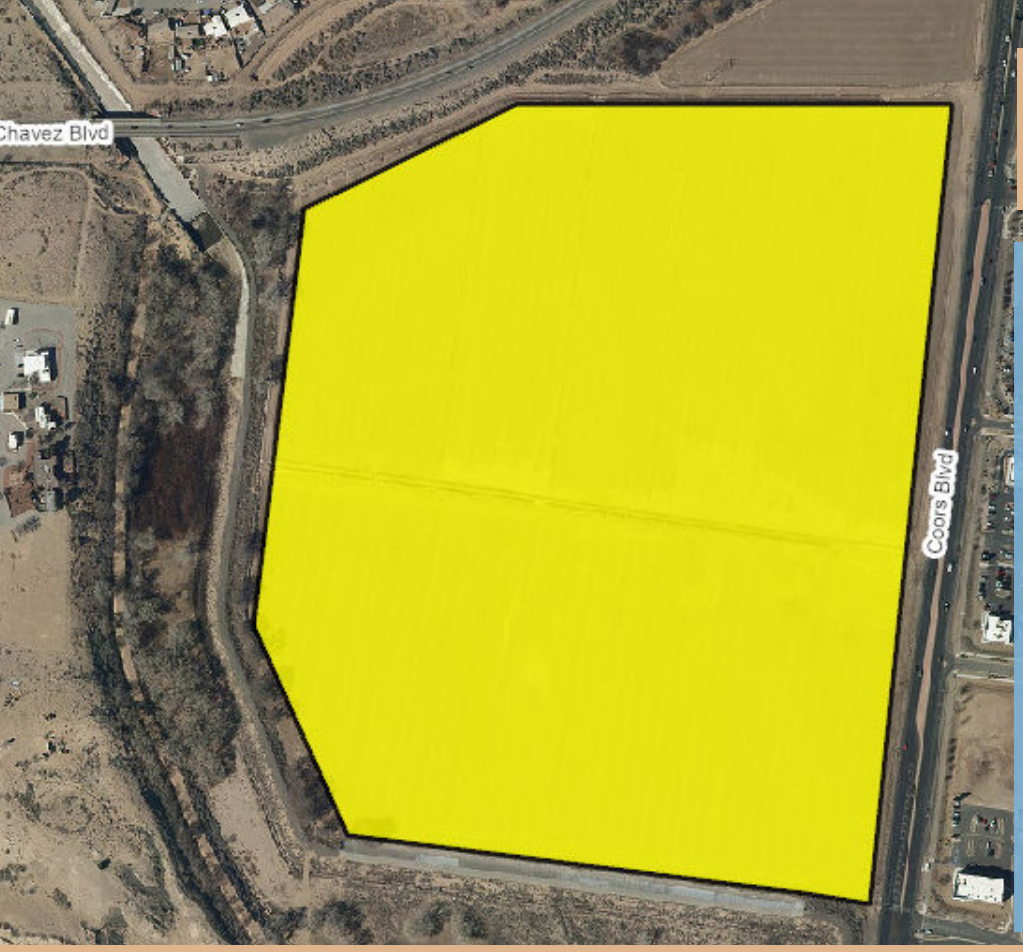
TOTAL COST: $540,000 | **SPONSORS:** AMAFCA

DESCRIPTION

The Grantline Water Quality Structure was built in 2011. The facility diverts lower flows from the Grantline channel into a water quality pond. The pond has a buried plastic liner to protect the North Diversion Channel from seepage. Routine maintenance can damage the liner, which is difficult to repair or replace. The project will line the existing pond with concrete to provide a stable working platform for equipment and allow greater mechanization of the maintenance activities.

OBJECTIVES: *Provide/enhance facility maintenance, Provide/enhance storm water quality*

PARTNERS: *NMDOT*



HUBBELL LAKE DAM EXPANSION

DISTRICT	
AMAFCA	1, 2
CITY COUNCIL	3
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10, 12

POTENTIAL AMAFCA FUNDING	
2025	$900,000
2026	$7,200,000
2027	$1,150,000
2028	-
2029	-
2030	-
TOTAL	**$9,250,000**

SPONSORS: AMAFCA | **TOTAL COST:** $9,250,000

DESCRIPTION

The Hubbell Lake Dam will be expanded by constructing an embankment around the perimeter of the agricultural field north of the existing facility. The agricultural use of the field will continue to be utilized in coordination with City of Albuquerque Open Space. This will provide the needed stormwater detention capacity in the Amole/ Hubbell Dam system facilities.

OBJECTIVES: *Provide/increase system/facility capacity*

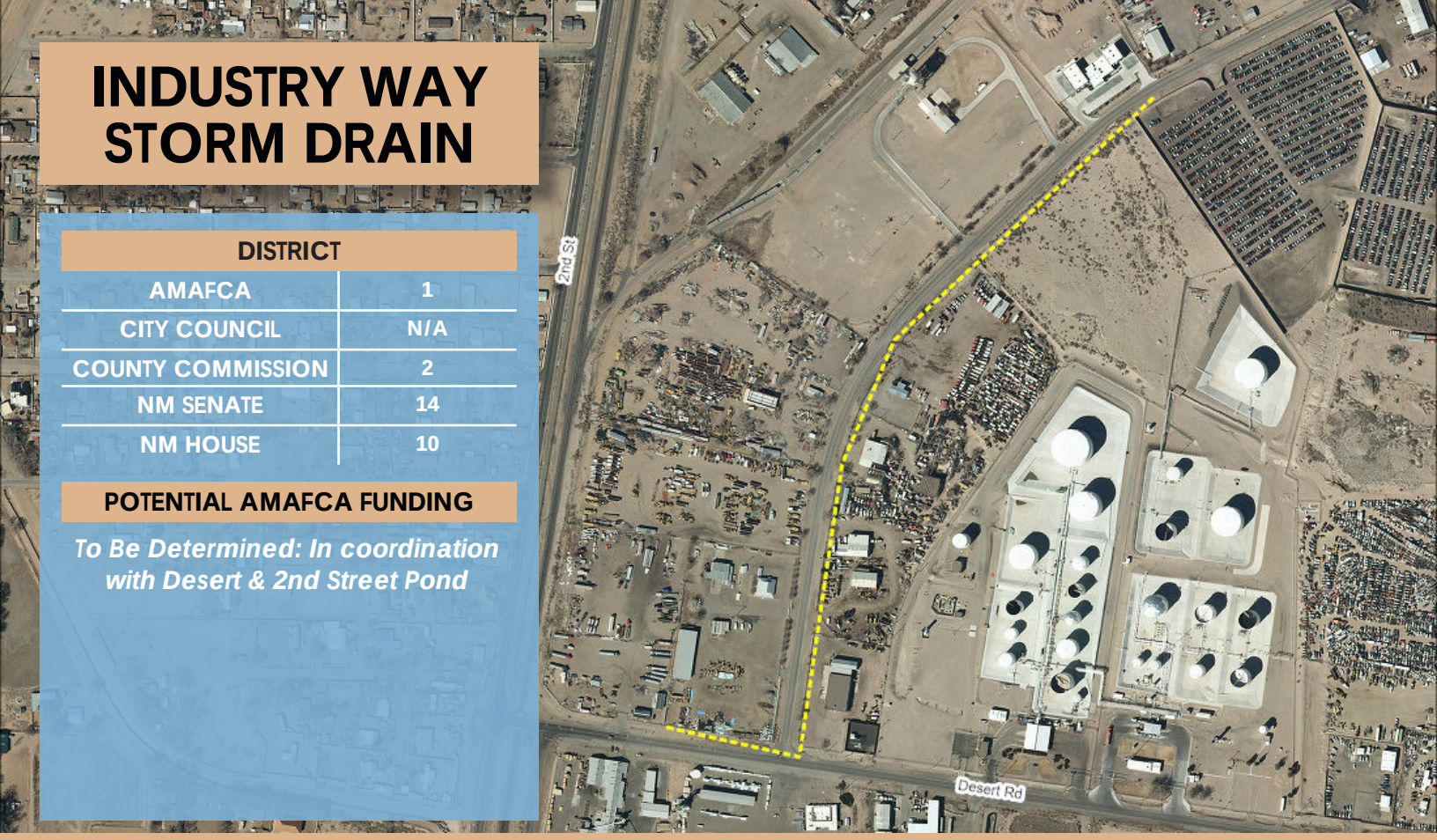
PARTNERS: *OSE-DSB, COA, BC, MRGCD*

INDUSTRY WAY STORM DRAIN

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING

To Be Determined: In coordination with Desert & 2nd Street Pond



TOTAL COST: $6,177,000 | **SPONSORS:**

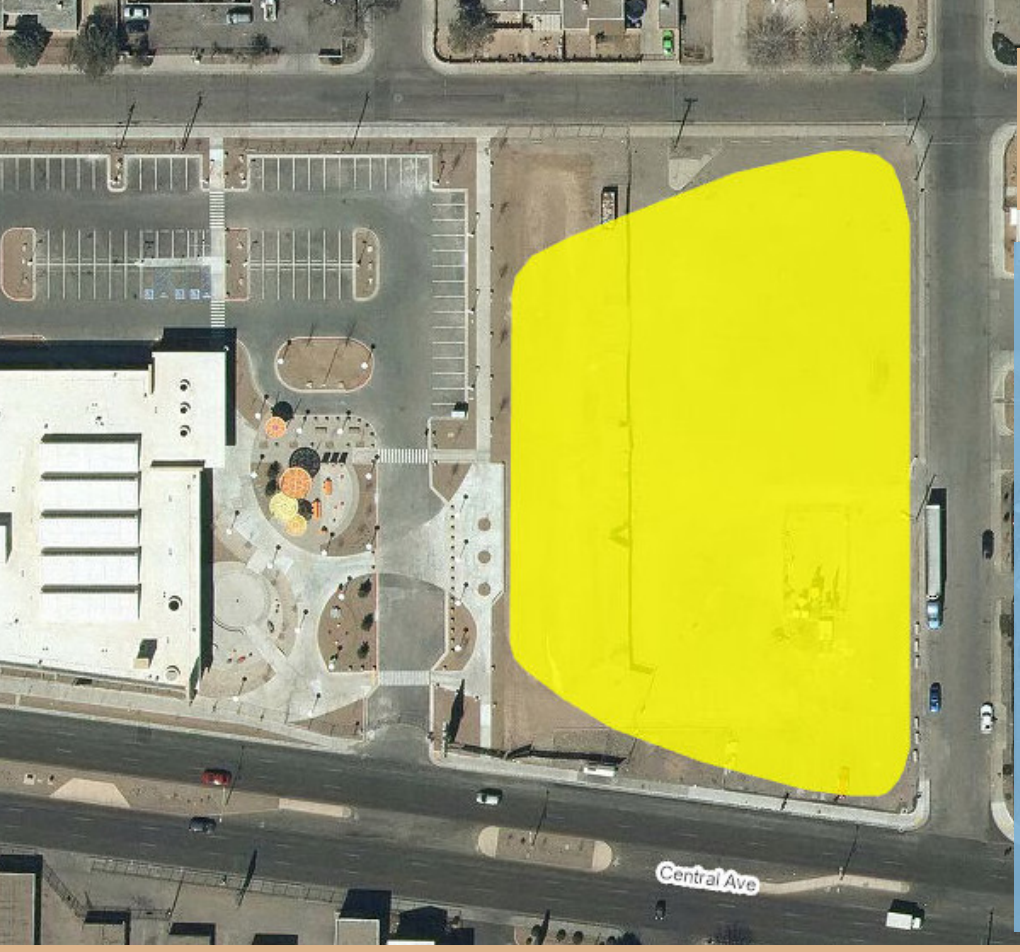
DESCRIPTION

The storm drain will be constructed in Industry Way from Broadway Blvd. to Desert Rd and will direct runoff to the future Desert & 2nd Street Pond. The storm drain and roadway improvements will provide flooding relief for properties along Industry Way and allow for the removal of floodplain in the area. This project is a critical improvement and is a direct inflow into the AMAFCA Desert & 2nd Street Pond project.

OBJECTIVES: *Reduce drainage/flooding issues, Remove floodplain, Provide/enhance storm water quality*

PARTNERS: *AMAFCA*

INTERNATIONAL DISTRICT LIBRARY POND & STORM DRAIN MODIFICATIONS



DISTRICT	
AMAFCA	5
CITY COUNCIL	6
COUNTY COMMISSION	3
NM SENATE	17
NM HOUSE	19

POTENTIAL AMAFCA FUNDING	
2025	-
2026	$400,000
2027	-
2028	-
2029	-
2030	-
TOTAL	**$1,800,000**

SPONSORS: ONE ALBUQUERQUE | AMAFCA

TOTAL COST: $1,800,000

DESCRIPTION

A surge pond near the Dallas Storm Drain will provide temporary storage for stormwater that periodically overwhelms the drainage system. Adding this relief provides the capacity needed to prevent water from bypassing the existing infrastructure and inundating roadways during moderate sized rain events. This structure will be coordinated within the redevelopment of the adjacent block.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues, Remove floodplain*

PARTNERS: *AMAFCA*

MISCELLANEOUS CONSTRUCTION PROJECTS

DISTRICT	
AMAFCA	1-5
CITY COUNCIL	1-9
COUNTY COMMISSION	1-5
NM SENATE	9-21, 23, 26, 30
NM HOUSE	9-22, 24-31, 44, 68
POTENTIAL AMAFCA FUNDING	
2025	$450,000
2026	$450,000
2027	$450,000
2028	$450,000
2029	$450,000
2030	$450,000
TOTAL	**$2,700,000**

TOTAL COST: $2,700,000 | **SPONSORS:** AMAFCA

DESCRIPTION

AMAFCA's miscellaneous construction projects are small projects throughout the entire AMAFCA jurisdiction that are generally too small to be bid by themselves. These projects are combined for better design and construction pricing. Typical projects include access control improvements, stormwater quality enhancements, as well as enhancements to existing structures.

OBJECTIVES: *Provide/enhance facility maintenance, Provide/increase system/facility capacity, Provide/enhance storm water quality*

PARTNERS: *None*

MISCELLANEOUS REAL ESTATE ACQUISITION

DISTRICT	
AMAFCA	1-5
CITY COUNCIL	1-9
COUNTY COMMISSION	1-5
NM SENATE	9-21, 23, 26, 30
NM HOUSE	9-22, 24-31, 44, 68
POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	$450,000
2028	$450,000
2029	$450,000
2030	$450,000
TOTAL	**$1,800,000**

SPONSORS: AMAFCA | **TOTAL COST:** $1,800,000

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues*

PARTNERS: *None*

DESCRIPTION

During the design of some projects, additional real estate is required to reduce the cost of construction or expand a project to provide additional flood protection. The real estate acquisition can be in the form of real property, temporary construction easements, or permanent drainage or maintenance easements. Real estate acquisition is also done to support projects derived from drainage management plans or other planning documents. Market conditions, site constraints, and availability are considered when developing a plan for real estate acquisitions.

NORTH ALBUQUERQUE ACRES ARROYOS – SANDIA HEIGHTS HYDRAULIC ANALYSES

DISTRICT	
AMAFCA	4
CITY COUNCIL	4
COUNTY COMMISSION	4
NM SENATE	19-21
NM HOUSE	22, 27, 31

POTENTIAL AMAFCA FUNDING	
2025	$25,000
2026	$25,000
2027	$25,000
2028	$25,000
2029	$25,000
2030	$25,000
TOTAL	**$150,000**

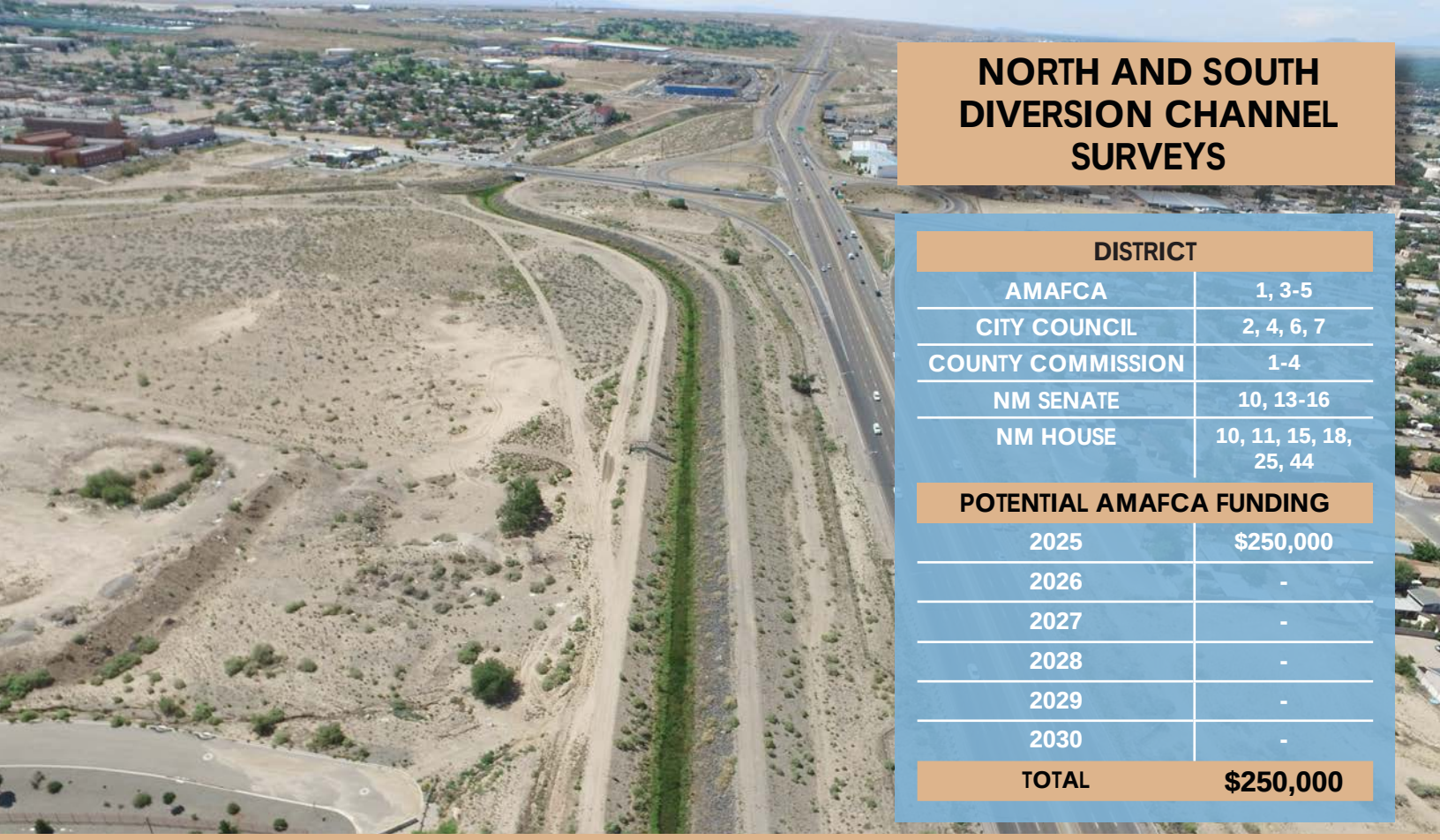
TOTAL COST: $300,000 | **SPONSORS:** AMAFCA

DESCRIPTION

The North Albuquerque Acres Arroyos – Sandia Heights Hydraulic Analyses will analyze the existing conditions in the region. This analysis will quantify the encroachments in the arroyo flow paths and determine the effects on stormwater conveyances and floodplains. This hydraulic analysis will also allow for future development to occur without impacts to the existing structures.

OBJECTIVES: *Remove floodplain*

PARTNERS: *BC*



NORTH AND SOUTH DIVERSION CHANNEL SURVEYS

DISTRICT	
AMAFCA	1, 3-5
CITY COUNCIL	2, 4, 6, 7
COUNTY COMMISSION	1-4
NM SENATE	10, 13-16
NM HOUSE	10, 11, 15, 18, 25, 44
POTENTIAL AMAFCA FUNDING	
2025	$250,000
2026	-
2027	-
2028	-
2029	-
2030	-
TOTAL	**$250,000**

SPONSORS: AMAFCA | **TOTAL COST:** $250,000

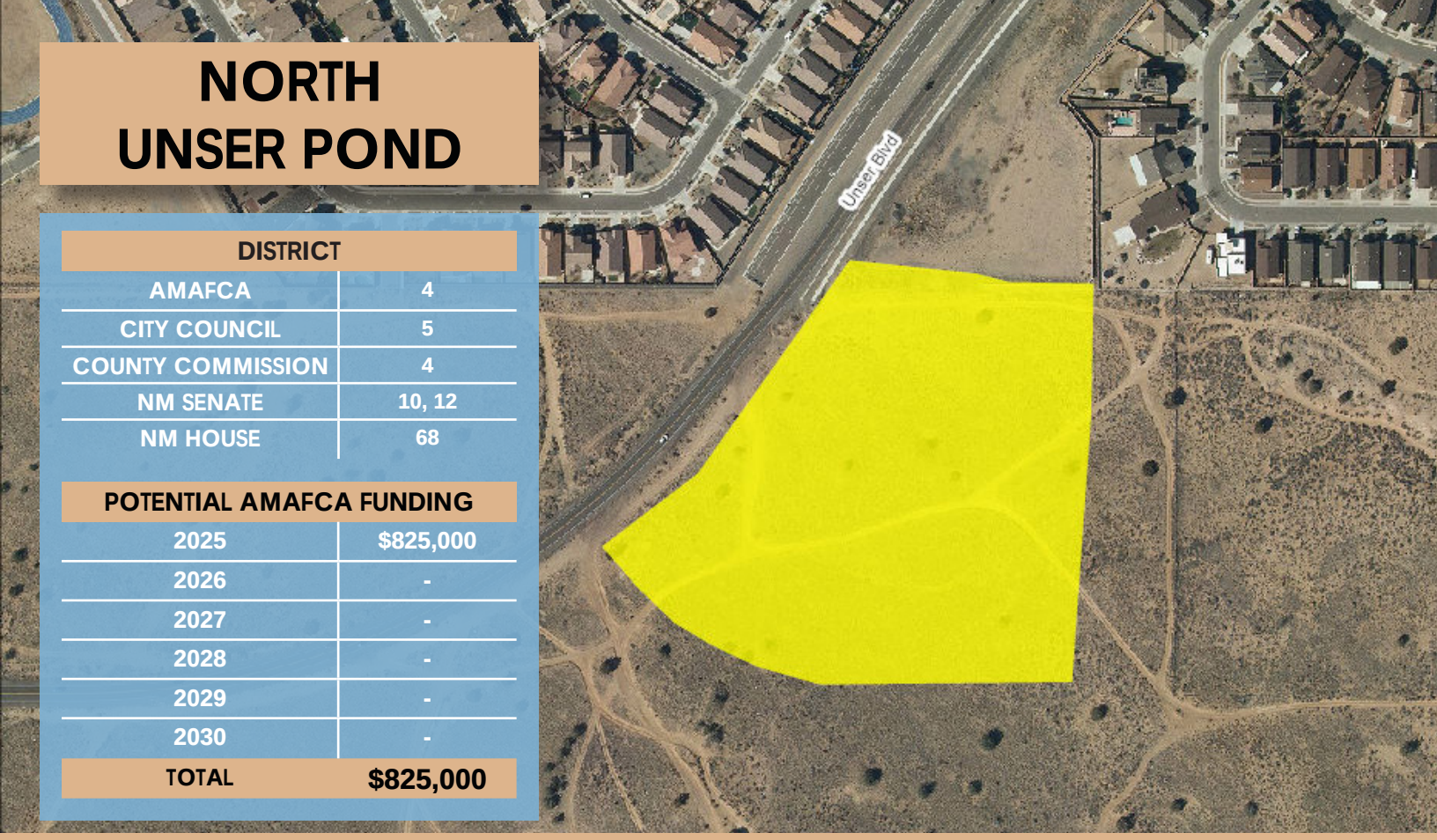
OBJECTIVES: *Provide emergency planning and mapping, Reduce drainage/flooding issues, Provide/enhance facility maintenance*

PARTNERS: *None*

DESCRIPTION

The North and South Diversion Channels serve as critical backbone infrastructure for the east side of the Albuquerque metro area, draining an area of over 100 square miles. Built over 50 years ago, there is limited updated hydraulic analyses available for the two facilities from their upstream starting point to the outlets to the Rio Grande. This survey will provide the supporting topographical and crossing structure information for development of hydraulic models that will be used to manage new inputs into the facilities.

NORTH UNSER POND



DISTRICT	
AMAFCA	4
CITY COUNCIL	5
COUNTY COMMISSION	4
NM SENATE	10, 12
NM HOUSE	68

POTENTIAL AMAFCA FUNDING	
2025	$825,000
2026	-
2027	-
2028	-
2029	-
2030	-
TOTAL	**$825,000**

TOTAL COST: $1,650,000 | **SPONSORS:** ONE ALBUQUERQUE, AMAFCA

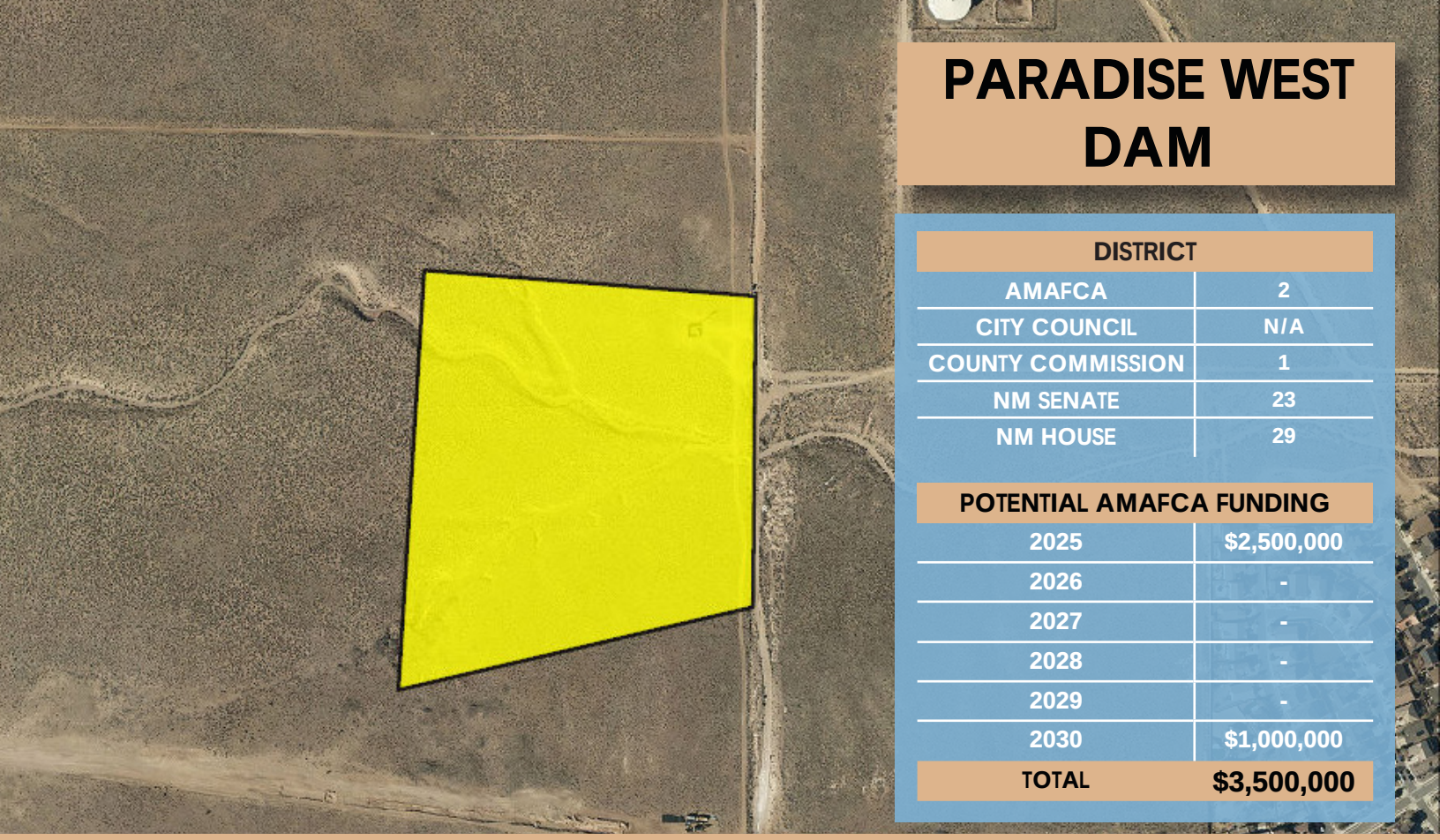
DESCRIPTION

The construction of the North Unser Pond will provide additional storage of diverted runoff from the Upper Piedras Marcadas watershed and maximize the use of the Lyon Blvd storm drain system. The diverted runoff will reduce flow to the Piedras Marcadas Dam, which is near capacity. The North Unser Pond will also improve stormwater quality by preventing sediment and debris conveyance downstream.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues, Provide/enhance storm water quality*

PARTNERS: *AMAFCA, NMDOT*

PARADISE WEST DAM



DISTRICT	
AMAFCA	2
CITY COUNCIL	N/A
COUNTY COMMISSION	1
NM SENATE	23
NM HOUSE	29

POTENTIAL AMAFCA FUNDING	
2025	$2,500,000
2026	-
2027	-
2028	-
2029	-
2030	$1,000,000
TOTAL	**$3,500,000**

SPONSORS: AMAFCA | **TOTAL COST:** $9,300,000

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues*

PARTNERS: *OSE-DSB*

DESCRIPTION

This large detention facility near Del Oeste Blvd will control flows in the West Branch of the Calabacillas Arroyo to historic rates, provide for reduction in sediment transport, and be designed for possible multi-use opportunities. Construction of the facility will allow for upstream development without impacting existing downstream infrastructure. Initial funding will include conceptual planning and site layouts. Later year funding will begin the design process.

PIEDRAS MARCADAS DAM OUTFALL

DISTRICT	
AMAFCA	4
CITY COUNCIL	1
COUNTY COMMISSION	1
NM SENATE	10
NM HOUSE	17

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	$400,000
2028	$4,700,000
2029	-
2030	-
TOTAL	**$5,100,000**

TOTAL COST: $5,100,000 | **SPONSORS:** AMAFCA

DESCRIPTION

The Piedras Marcadas Dam outfall pipe is currently controlled by a manually operated gate valve that must be coordinated with MRGCD to release detained stormwater into the Corrales Main Canal to avoid flooding or overtopping the canal. This project will extend the existing gravity outlet pipe roughly 4,000 linear feet in length, adjacent to the Corrales Main Canal to the La Orilla Outlet and ultimately the Rio Grande. The new outlet will provide additional capacity in the dam for runoff from upstream development; the dam currently does not have capacity for developed runoff.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues.*

PARTNERS: *MRGCD, OSE-DSB*

PINO DAM AUXILIARY SPILLWAY MODIFICATIONS

DISTRICT	
AMAFCA	4
CITY COUNCIL	8
COUNTY COMMISSION	4
NM SENATE	21
NM HOUSE	31

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	$300,000
2029	$4,360,000
2030	$443,000
TOTAL	**$5,103,000**

SPONSORS: AMAFCA | **TOTAL COST:** $5,103,000

OBJECTIVES: *Provide/enhance bank protection, Reduce drainage/flooding issues*

PARTNERS: *AMAFCA, OSE-DSB, Tanoan Residents*

DESCRIPTION

Pino Dam is presently an earthen embankment dam near Tramway Boulevard and San Antonio Drive. The earthen auxiliary spillway has the potential to undergo head cutting if the secondary spillway is operating. The modifications proposed for this project require either constructing a secondary auxiliary spillway on the west or south side of the dam and/or adding erosion resistant structural elements to the primary auxiliary spillway. Either proposal must get approval by the Office of the State Engineer, will require updated hydrologic analysis, and must not adversely affect the adjoining golf course.

POND E OUTFALL

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	$300,000
2029	$700,000
2030	-
TOTAL	**$1,000,000**

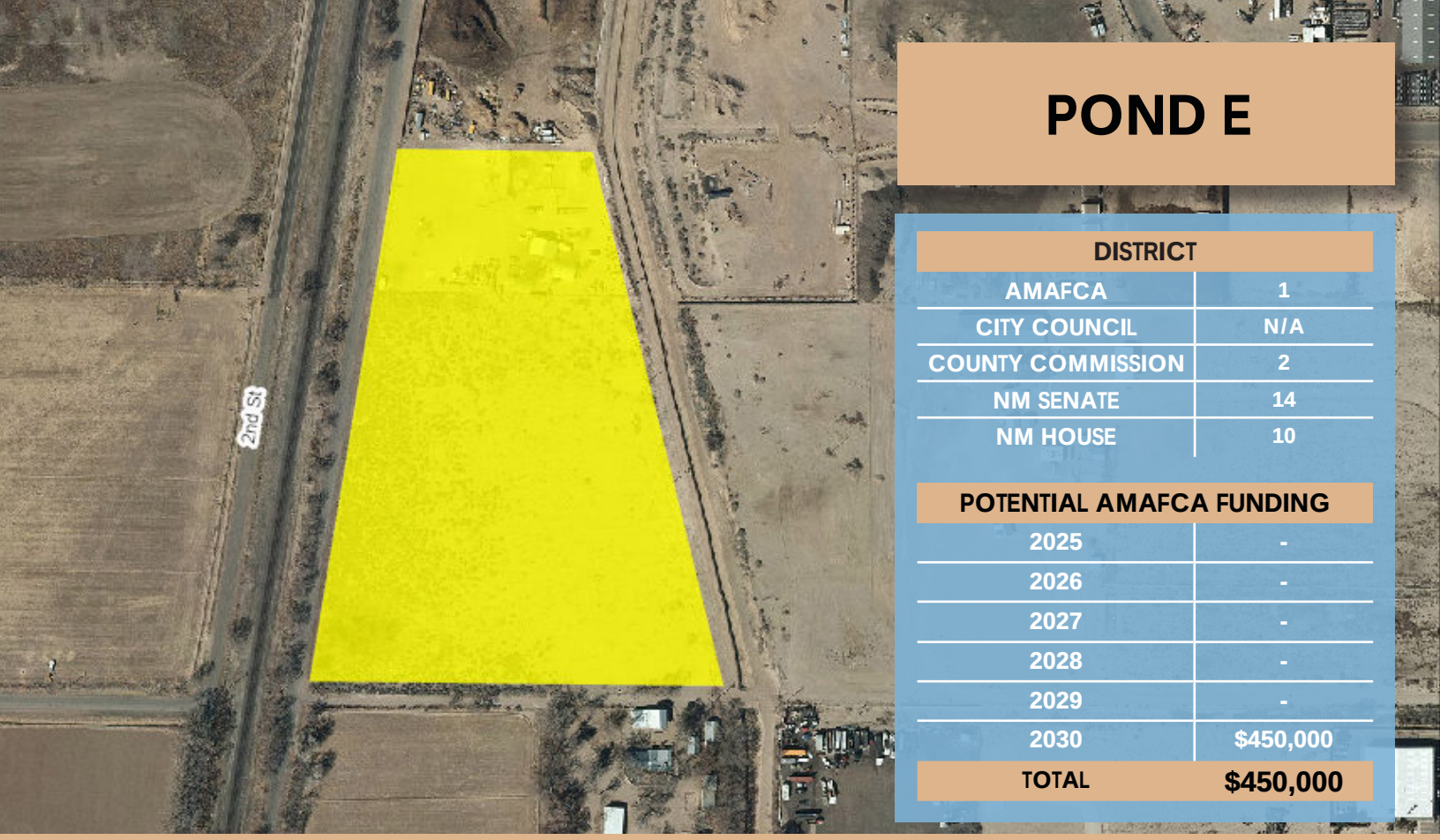
TOTAL COST: $1,000,000 | **SPONSORS:** AMAFCA

DESCRIPTION

A new storm drain crossing of Bates Rd., the railroad, and 2nd Street will serve as the principal outlet for Pond E, a master planned detention facility in the southeast valley, and will direct developed flows to the Valle de Oro Drainage Facility.

OBJECTIVES: *Provide/enhance storm water quality, Reduce drainage/flooding issues.*

PARTNERS: *BNSF and NMDOT Railroad, BC*



POND E

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	-
2029	-
2030	$450,000
TOTAL	**$450,000**

SPONSORS: AMAFCA

TOTAL COST: $4,200,000

OBJECTIVES: *Reduce drainage/flooding issues, Provide/enhance storm water quality*

PARTNERS: *BC, MRGCD*

DESCRIPTION

This master planned detention pond between Bates Rd. and the MRGCD's Barr Main Canal will provide storage for stormwater that drains west towards the railroad and 2nd Street. Combined with a new crossing under 2nd Street and the railroad, Pond E will direct developed runoff to the Valle de Oro Drainage Facility. Construction of this facility will also allow for development upstream towards Broadway Blvd.

READING & 2ND STREET POND OUTFALL

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	$300,000
2029	-
2030	$900,000
TOTAL	**$1,200,000**

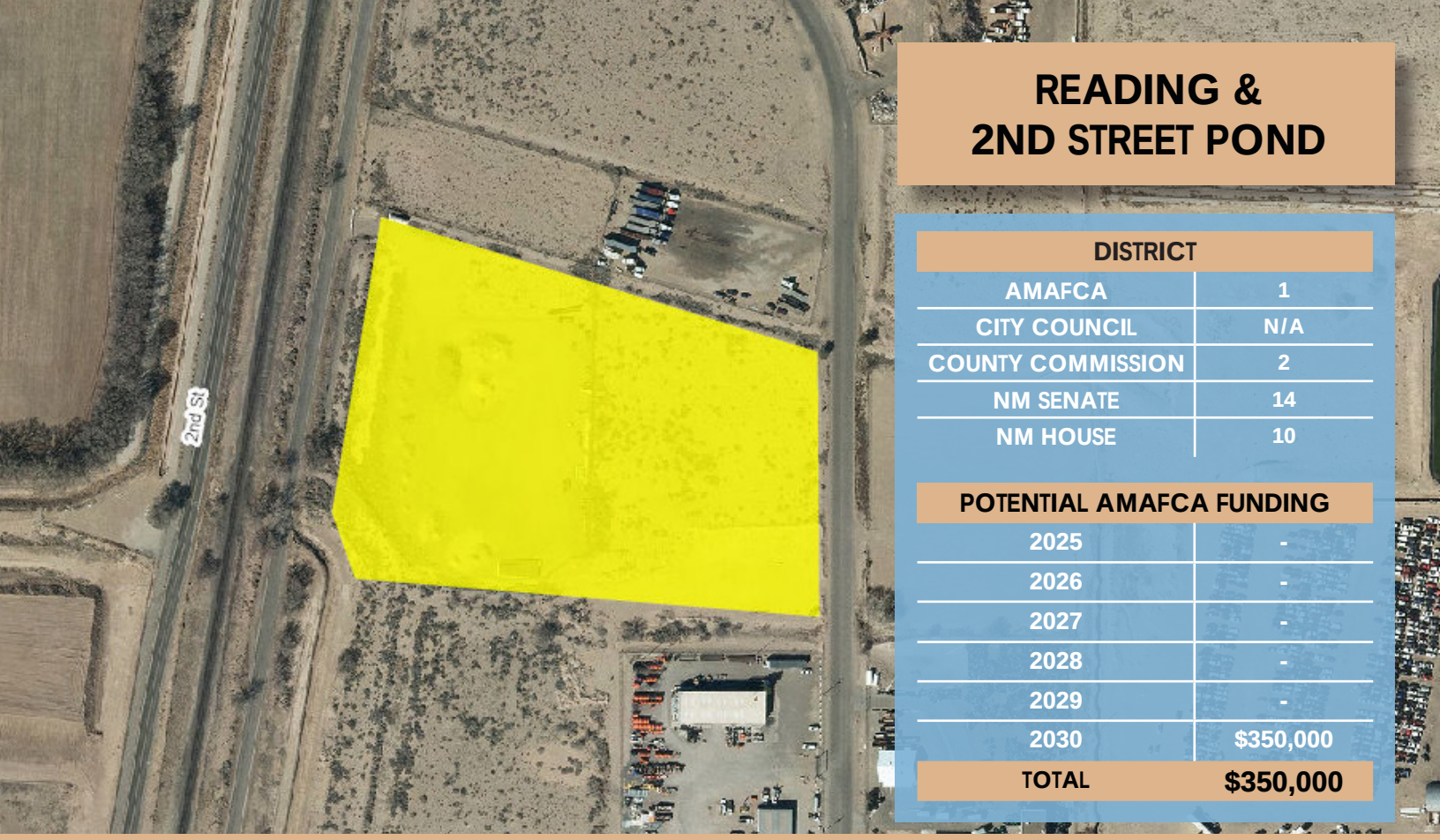
TOTAL COST: $1,200,000 | **SPONSORS:** AMAFCA

DESCRIPTION

A new storm drain crossing of Bates Rd., the railroad, and 2nd Street will serve as the principal outlet for the Reading & 2nd Street Pond, a master planned detention facility in the southeast valley, and will direct developed flows to the Valle de Oro Drainage Facility.

OBJECTIVES: *Provide/enhance storm water quality, Reduce drainage/flooding issues.*

PARTNERS: *BNSF and NMDOT Railroad, BC*



READING & 2ND STREET POND

DISTRICT	
AMAFCA	1
CITY COUNCIL	N/A
COUNTY COMMISSION	2
NM SENATE	14
NM HOUSE	10

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	-
2029	-
2030	$350,000
TOTAL	**$350,000**

SPONSORS: AMAFCA

TOTAL COST: $3,050,000

DESCRIPTION

This master planned detention pond between Bates Rd. and Reading Dr. will provide storage for stormwater that drains west towards the railroad and 2nd Street. Combined with a new crossing under 2nd Street and the railroad or to an improved Barr Main Canal, the Reading and 2nd Street Pond will direct developed runoff to the Valle de Oro Drainage Facility. Construction of this facility will also allow for development upstream towards Broadway Blvd.

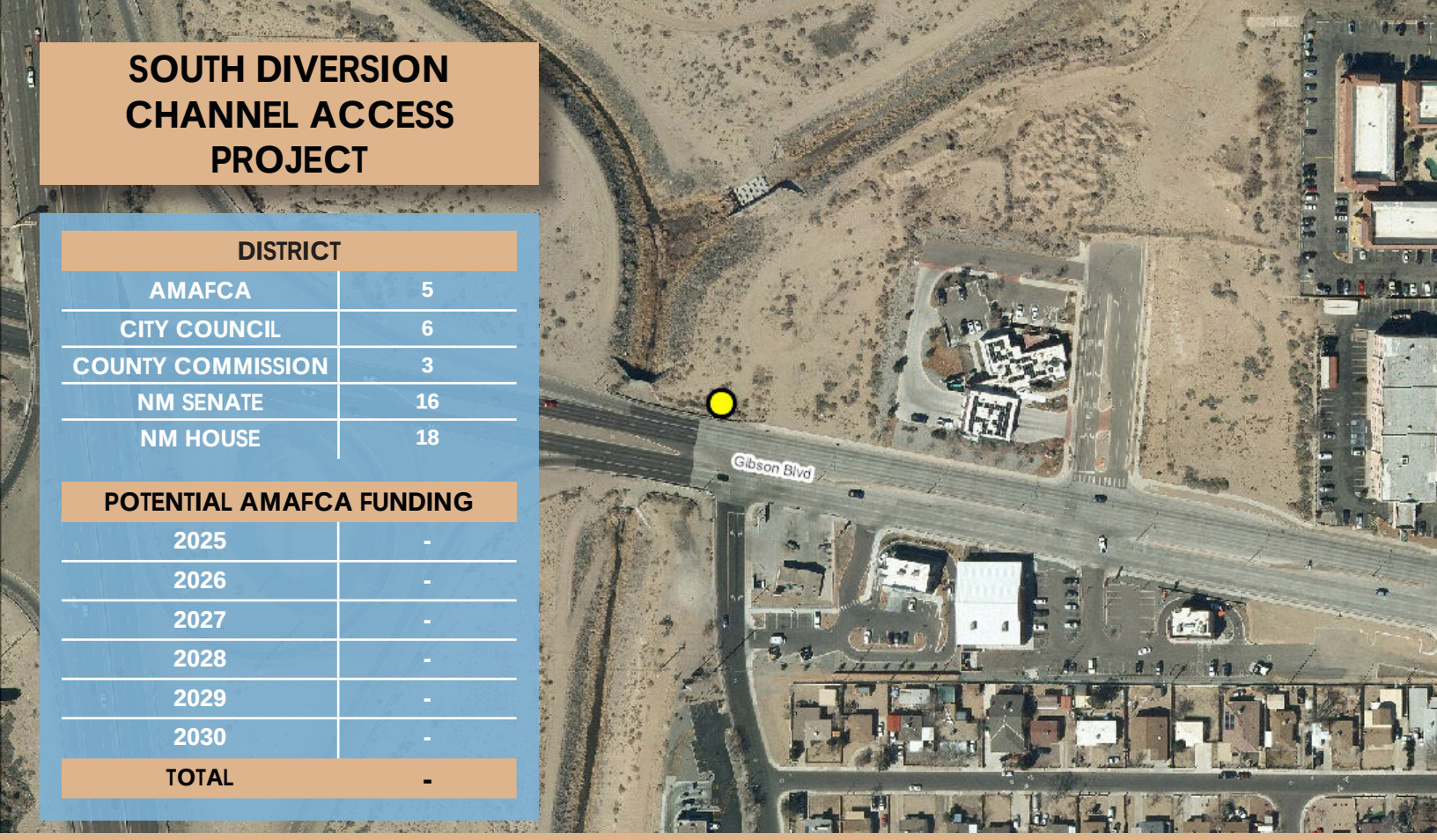
OBJECTIVES: *Reduce drainage/flooding issues, Provide/enhance storm water quality*

PARTNERS: *BC, MRGCD*

SOUTH DIVERSION CHANNEL ACCESS PROJECT

DISTRICT	
AMAFCA	5
CITY COUNCIL	6
COUNTY COMMISSION	3
NM SENATE	16
NM HOUSE	18

POTENTIAL AMAFCA FUNDING	
2025	-
2026	-
2027	-
2028	-
2029	-
2030	-
TOTAL	-



TOTAL COST: $150,000 | **SPONSORS:** PRIVATE DEVELOPMENT

DESCRIPTION

The South Diversion Channel Access Project will provide better access to the South Diversion Channel, Geneiva's Arroyo drop structure, and future water quality facilities. Access to the South Diversion Channel from Gibson Boulevard is problematic due to the proximity of the I-25 on and off ramps and two concrete side inlets that receive drainage from Gibson Boulevard. Access modification is anticipated to be rectified in partnership with adjacent land development by private property owners and/or improvements to the interchange.

OBJECTIVES: *Provide/enhance facility maintenance*
Provide/enhance storm water quality

PARTNERS: *AMAFCA, NMDOT*

SWINBURNE DAM MAIN BRANCH DROP STRUCTURE

DISTRICT	
AMAFCA	4
CITY COUNCIL	5
COUNTY COMMISSION	4
NM SENATE	23
NM HOUSE	68

POTENTIAL AMAFCA FUNDING	
2025	$200,000
2026	$4,200,000
2027	-
2028	-
2029	-
2030	-
TOTAL	**$4,400,000**

SPONSORS: AMAFCA | **TOTAL COST:** $4,400,000

OBJECTIVES: *Provide/enhance bank protection, Provide channel stability*

PARTNERS: *COA Open Space Division*

DESCRIPTION

The Calabacillas Arroyo Facility plans identified the need to remove over 400,000 cubic yards of sediment from the Swinburne Dam to provide the needed capacity in the dam to limit discharge from the dam to allowable rates. The removal of that much sediment will necessitate the construction of a drop control structure on the main branch of the Calabacillas Arroyo to prevent headcutting from the dam to the existing upstream grade control structure. The main branch drop structure will be designed concurrently with the west branch drop structure.

SWINBURNE DAM WEST BRANCH DROP STRUCTURE

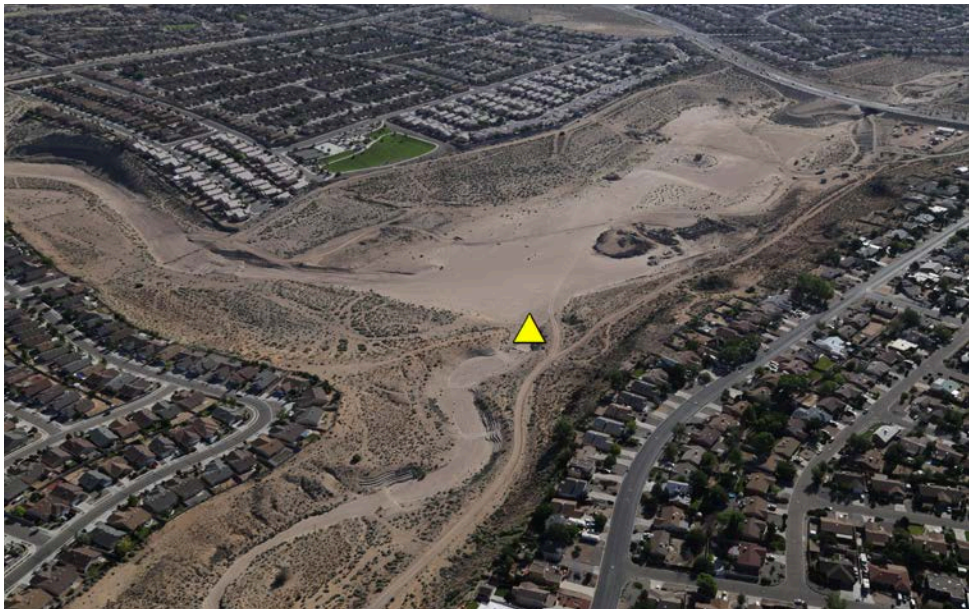
DISTRICT	
AMAFCA	4
CITY COUNCIL	5
COUNTY COMMISSION	4
NM SENATE	12
NM HOUSE	68

POTENTIAL AMAFCA FUNDING	
2025	$200,000
2026	-
2027	$3,300,000
2028	-
2029	-
2030	-
TOTAL	**$3,500,000**

TOTAL COST: $3,500,000 | **SPONSORS:** AMAFCA

DESCRIPTION

The Calabacillas Arroyo Facility plans identified the need to remove over 400,000 cubic yards of sediment from the Swinburne Dam to provide the needed capacity in the dam to limit discharge from the dam to allowable rates. The removal of that much sediment will necessitate the construction of a drop control structure on the west branch of the Calabacillas Arroyo to prevent headcutting from the dam to the existing upstream grade control structure. The west branch drop structure will be designed concurrently with the main branch drop structure.



OBJECTIVES: *Provide/enhance bank protection, Provide channel stability*

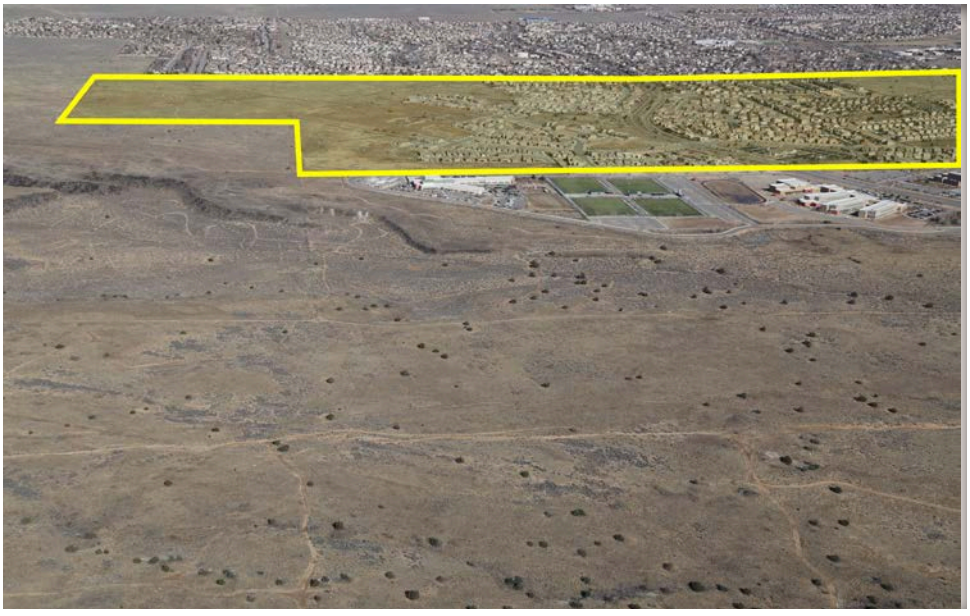
PARTNERS: *COA Open Space Division*

TRAILS SUBDIVISION DRAINAGE MASTER PLAN UPDATE

DISTRICT	
AMAFCA	2
CITY COUNCIL	5
COUNTY COMMISSION	1, 4
NM SENATE	23
NM HOUSE	29, 68

POTENTIAL AMAFCA FUNDING	
2025	$250,000
2026	-
2027	-
2028	-
2029	-
2030	-
TOTAL	$250,000

SPONSORS: AMAFCA, ONE ALBUQUERQUE | **TOTAL COST:** $250,000



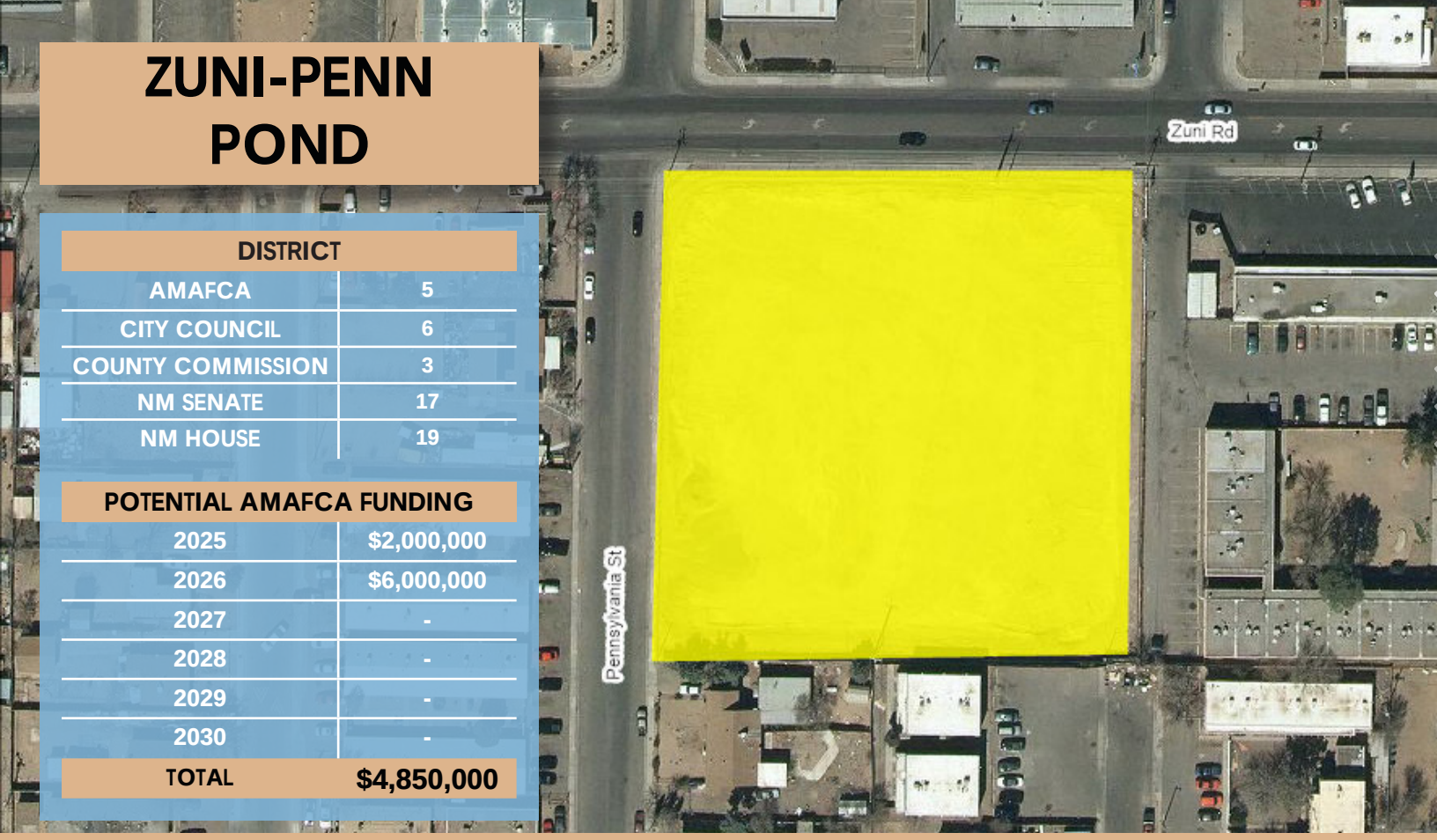
DESCRIPTION

Updates to the existing Drainage Master Plan for the Trails Subdivision are needed to reflect current conditions and to update the Storm Water Management Model for the area. Generally located south of Paseo del Norte and west of Universe Blvd., the Trails subdivision has limited discharge allowed to the Boca Negra Dam through the storm drain in Universe Blvd. This update will incorporate existing and already approved development plans in the area and identify the need for additional drainage infrastructure, if necessary.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues*

PARTNERS: *COA, Private Development*

ZUNI-PENN POND



DISTRICT	
AMAFCA	5
CITY COUNCIL	6
COUNTY COMMISSION	3
NM SENATE	17
NM HOUSE	19

POTENTIAL AMAFCA FUNDING	
2025	$2,000,000
2026	$6,000,000
2027	-
2028	-
2029	-
2030	-
TOTAL	**$4,850,000**

TOTAL COST: $9,700,000 | **SPONSORS:** AMAFCA, ONE ALBUQUERQUE

DESCRIPTION

A surge pond near the intersection of Zuni Road and Pennsylvania Street will provide temporary storage for stormwater within the Dallas Storm Drain system. Adding this relief provides the capacity needed to prevent water from bypassing the existing infrastructure and inundating roadways during moderate sized rain events. Construction of this upper watershed facility will allow for reduced facility needs downstream and allow for development along the Central Blvd. corridor.

OBJECTIVES: *Provide/increase system/facility capacity, Reduce drainage/flooding issues, Remove floodplain*

PARTNERS: *AMAFCA, COA*

PROJECT TABLE

Calabacillas Arroyo GCS 2 Extension

PROJECT FUNDING

The following Project Spreadsheet is a snapshot of AMAFCA's intended timeframe to implement projects in the next six years. It has been coordinated with the schedules of other agencies for the purpose of possible joint funding in order to make the projects more successful. Timeframes can be adjusted as other agency schedules change or projects are re-prioritized.

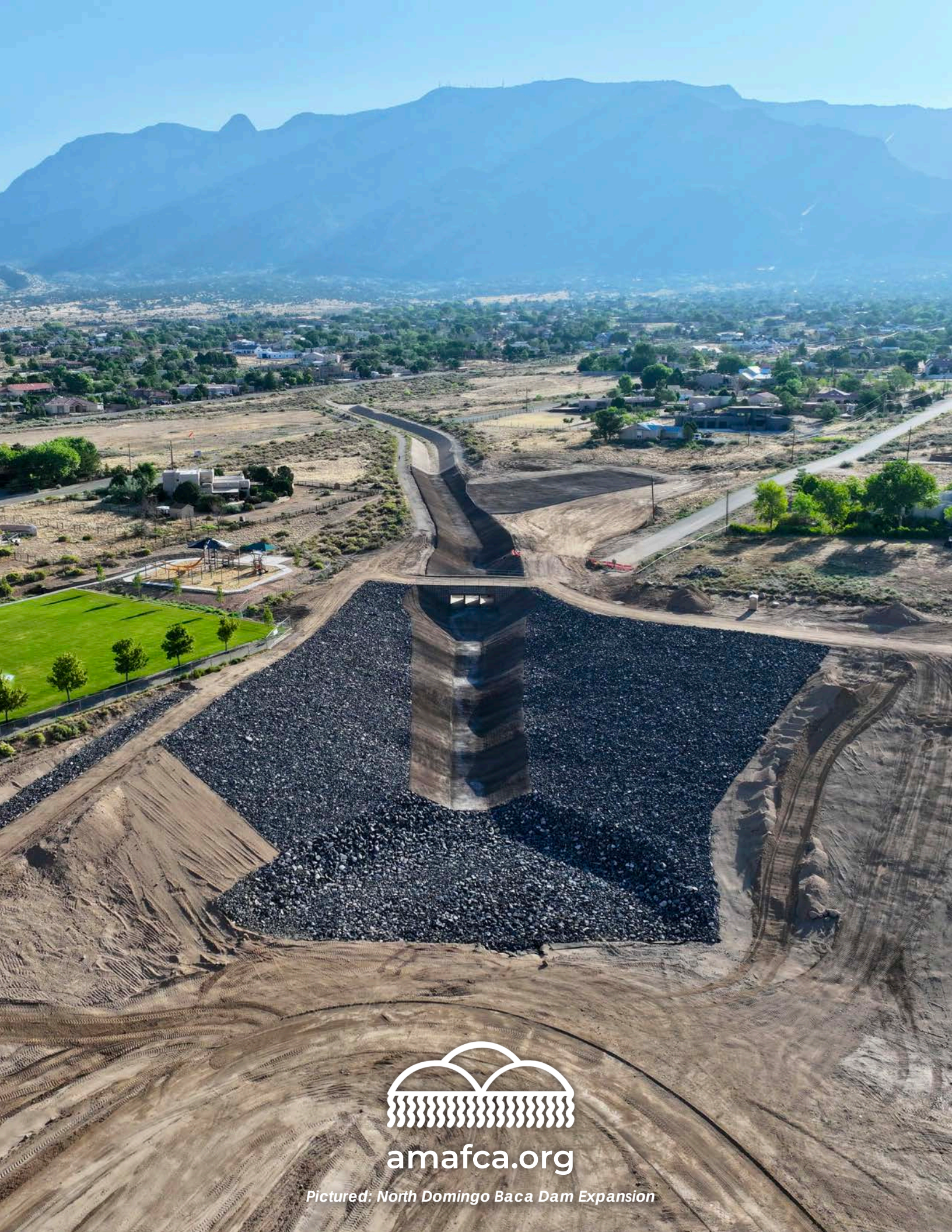
AGENCY LEGEND

AGENCY NAME	ABBREVIATION
Albuquerque Metropolitan Arroyo Flood Control Authority	**AMAFCA**
Bernalillo County	**BC**
Burlington Northern Santa Fe Railway	**BNSF**
City of Albuquerque	**COA**
Middle Rio Grande Conservancy District	**MRGCD**
NM Department of Transportation	**NMDOT**
NM Office of the State Engineer - Dam Safety Bureau	**OSE-DSB**
US Army Corps of Engineers	**USACE**

Facility Name	Lead Agency	Partner Agency	Grant Possible?	Total Est. Cost
Agency & Area-Wide Flood Control Rehabilitation	AMAFCA	-	-	$7,500,000
AMAFCA Dam EAPs & Inundation Mapping	AMAFCA	-	-	$600,000
AMAFCA Drainage Master Plan Updates	AMAFCA	-	-	$1,800,000
AMAFCA Telemetry Phase 2	AMAFCA	-	Yes	$1,300,000
Amole Arroyo & Hubbell Channel Modifications	AMAFCA	-	-	$9,500,000
Black Mesa Phase 1 Manhole Upgrades	AMAFCA	-	-	$1,600,000
Calabacillas GCS 3a1, 3b1, and Bank Protection	AMAFCA	-	Yes	$5,775,000
Desert & 2nd Street Pond	AMAFCA	BC	-	$5,400,000
Grantline Water Quality Lining	AMAFCA	-	-	$540,000
Hubbell Lake Dam Expansion	AMAFCA	-	-	$9,250,000
Industry Way Storm Drain	AMAFCA	BC	-	$6,177,000
International District Library Pond & Storm Drain Modifications	COA	AMAFCA	-	$1,800,000
Miscellaneous Construction Projects	AMAFCA	-	-	$2,700,000
Miscellaneous Real Estate Acquisition	AMAFCA	-	-	$1,800,000
North & South Diversion Channel Surveys	AMAFCA	-	-	$250,000
North Albuquerque Acres - Sandia Heights Hydraulic Analyses	AMAFCA	BC	Yes	$300,000
North Unser Pond	COA	AMAFCA	-	$1,650,000
Paradise West Dam	AMAFCA	-	-	$9,300,000
Piedras Marcadas Dam Outfall	AMAFCA	-	-	$5,100,000
Pino Dam Auxiliary Spillway Modifications	AMAFCA	-	-	$5,103,000
Pond E	AMAFCA	BC	-	$4,200,000
Pond E Outfall	AMAFCA	BC	-	$1,000,000
Reading & 2nd Street Pond	AMAFCA	BC	-	$3,050,000
Reading & 2nd Street Pond Outfall	AMAFCA	BC	-	$1,200,000
South Diversion Channel Access Project	Priv. Dev.	AMAFCA	-	$150,000
Swinburne Dam Main Branch Drop Structure	AMAFCA	-	Yes	$4,400,000
Swinburne Dam West Branch Drop Structure	AMAFCA	-	Yes	$3,500,000
Trails Subdivision Drainage Master Plan Update	AMAFCA	COA	-	$250,000
Zuni-Penn Pond	AMAFCA	COA	-	$9,700,000
-	TOTALS	-	-	$103,895,000

AMAFCA Est. Cost	FY25	FY26	FY27	FY28	FY29	FY30
$7,500,000	$1,000,000	$1,000,000	$1,000,000	$1,500,000	$1,500,000	$1,500,000
$600,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
$1,800,000	$300,000	$300,000	$300,000	$300,000	$300,000	$300,000
$1,300,000	$200,000	-	$50,000	$500,000	$50,000	$500,000
$9,500,000	-	-	$700,000	$4,400,000	$4,400,000	-
$1,600,000	-	-	-	$160,000	$1,440,000	-
$5,775,000	-	$5,775,000	-	-	-	-
$5,400,000	-	$575,000	$4,825,000	-	-	-
$540,000	-	-	-	-	-	-
$9,250,000	$900,000	$7,200,000	$1,150,000	-	-	-
-	-	-	-	-	-	-
$400,000	-	$400,000	-	-	-	-
$2,700,000	$450,000	$450,000	$450,000	$450,000	$450,000	$450,000
$1,800,000	-	-	$450,000	$450,000	$450,000	$450,000
$250,000	$250,000	-	-	-	-	-
$150,000	$25,000	$25,000	$25,000	$25,000	$25,000	$25,000
$825,000	$825,000	-	-	-	-	-
$9,300,000	$2,250,000	-	-	-	-	$1,000,000
$5,100,000	-	-	$400,000	$4,700,000	-	-
$5,103,000	-	-	-	$300,000	$4,360,000	$443,000
$4,200,000	-	-	-	-	-	$450,000
$1,000,000	-	-	-	$300,000	$700,000	-
$3,050,000	-	-	-	-	-	$350,000
$1,200,000	-	-	-	$300,000	-	$900,000
-	-	-	-	-	-	-
$4,400,000	$200,000	$4,200,000	-	-	-	-
$3,500,000	$200,000	-	$3,300,000	-	-	-
$250,000	$250,000	-	-	-	-	-
$4,850,000	$2,000,000	$6,000,000	$1,700,000	-	-	-
$91,343,000	**$8,950,000**	**$26,025,000**	**$14,450,000**	**$13,485,000**	**$13,775,000**	**$6,468,000**

Pictured: San Antonio Outfall Water Quality Facility



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Pictured: North Domingo Baca Dam Expansion