



RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

AGENDA

Commissioners of Zone 1 of the Riverside County Flood Control and Water Conservation District will hold a Public Budget Hearing at 3:00 p.m. on Wednesday, December 7, 2022 at the Riverside County Flood Control District office, 1995 Market Street, Riverside.

The purpose of this meeting is to receive requests from interested parties for project funding for the budget of Fiscal Year 2023-2024.

1. Receive requests from interested parties for projects for Fiscal Year 2023-2024.
2. Oral communication from the audience.
3. Chief Engineer's Report of Zone Activities.

The Budget Work Session is set for 3:00 p.m. on Wednesday, February 15, 2023 at the Riverside County Flood Control and Water Conservation District office, 1995 Market Street, Riverside. The purpose of the meeting is to discuss the budgeting of projects for Fiscal Year 2023-2024.

ZONE 1

DON HARRIGER, 1st District

CHUCK KRIEGER, 2nd District

VACANT, 1st District

The demand for infrastructure generally outpaces available financial resources leaving many unmet needs.

The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

The available fund balance usually makes up the difference if projected revenue does not cover projected appropriations.



Fund Balance for FY 2021-2022

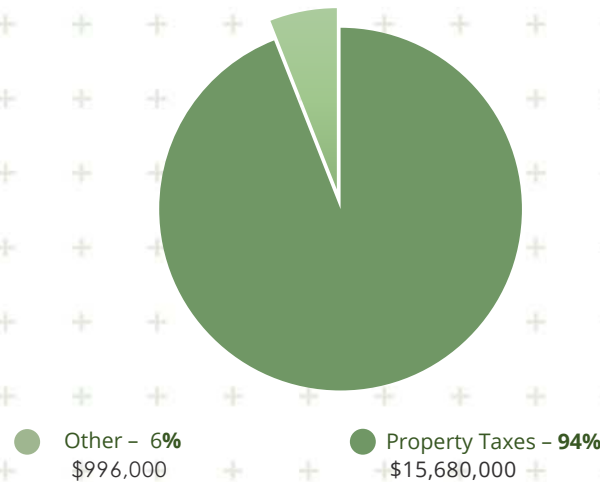
JULY 1, 2021 \$41,954,063

JUNE 30, 2022 \$46,560,639

Sources

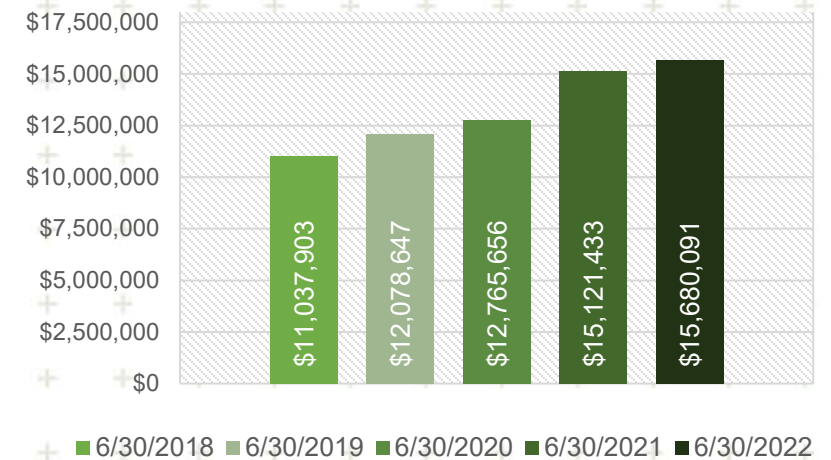
(Where the money comes from)

TOTAL \$16,676,000



Property Taxes

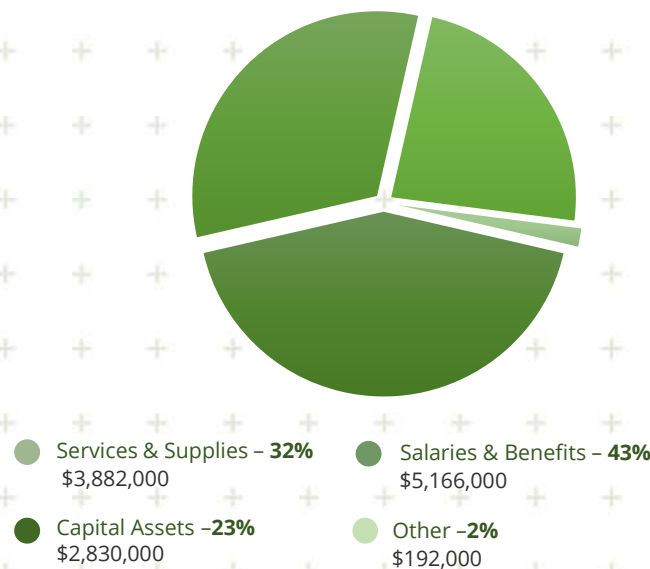
(5 year trend)



Expenditures

(Where the money is spent)

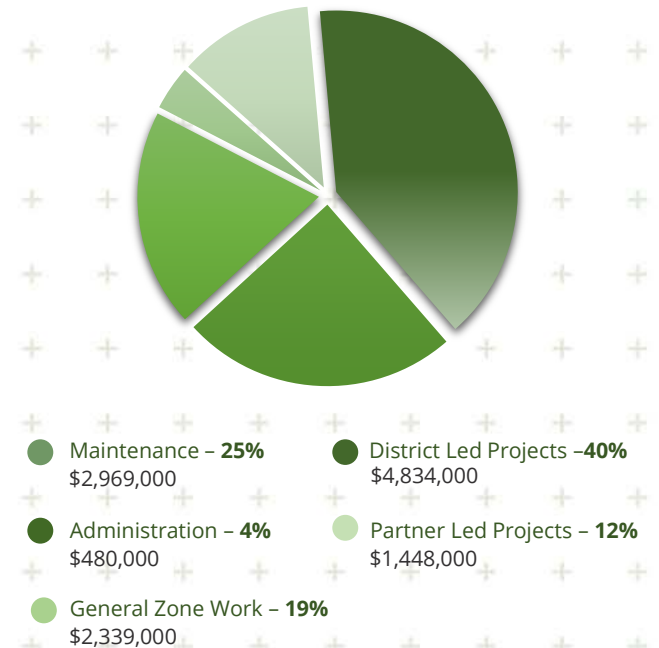
TOTAL \$12,070,000



Uses

(How the money is used)

TOTAL \$12,070,000



ZONE 1

DON HARRIGER, 1st District

CHUCK KRIEGER, 2nd District

VACANT, 1st District

The demand for infrastructure generally outpaces available financial resources leaving many unmet needs.

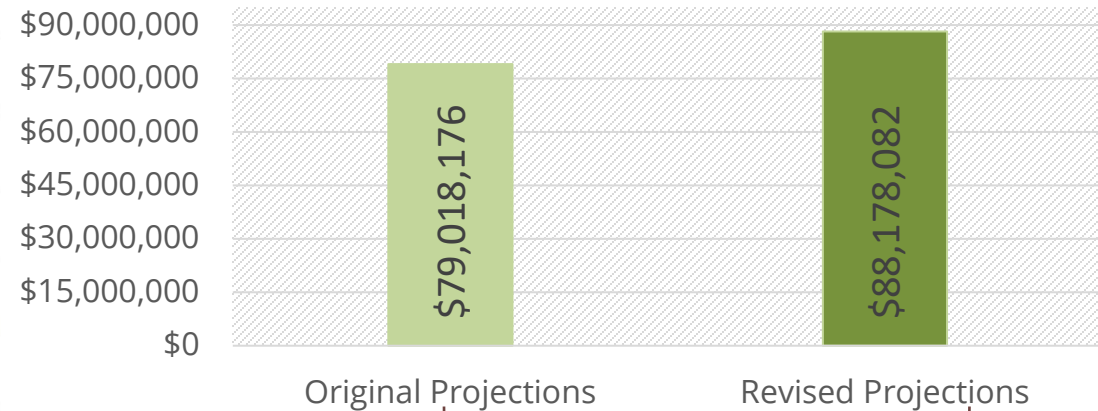
The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

The available fund balance usually makes up the difference if projected revenue does not cover projected appropriations.



**Forecasting
FY23-24 thru FY27-28**

Original Projections vs. Revised Projections Additional Revenue Available



**Additional
Revenue
\$9,160,000**



**5th Year Of
New CIP
FY27-28
\$15,760,000**

**Forecasting \$24,920,000 to be available for Cost Increases
on Existing Projects and New Requests**

Zone 1
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
September 2022

Completed Projects

Woodcrest Dam Outlet Modification (1-8-00045-90) D1

This was a District-led project to upgrade the safety and operation of Woodcrest Dam. The improvements included replacing the existing gate assembly and control system, replacing the existing outlet structure with a new debris rack outlet structure to reduce clogging potential, and installing erosion control measures on the embankment slope. The construction of the project started in July 2021 and is primarily complete, except for installation of the sluice gate. With difficulties procuring the gate, the project is currently expected to be fully completed by October 2022.

Active District-Led Projects

Santa Ana River – Levee Rehabilitation (District Reach) (1-8-00010-90) D1

This District-led project will rehabilitate the 'non-federal' reach of the Santa Ana River levee system to ensure the levee is adequately protected consistent with Federal Emergency Management Agency certification standards. The project is located within the County of San Bernardino, starting near S. Old Pellisier Road and extending southeasterly downstream approximately 6,165 feet to the Riverside-San Bernardino County line where the project will tie into the terminus of the Army Corps-led Santa Ana River – Levee Rehabilitation (Federal Reach). Levee rehabilitation will include replacing and grouting the existing levee rock slope protection as well as extending the rock slope protection deeper below the calculated scour depths. The District is currently finalizing the project charter and developing the Request for Proposal/Qualifications (RPF/Q) to select a consulting firm to perform the scour analysis and design and manage the project.

Sycamore Dam Outlet Modification (1-8-00042-90) D1

This is a District-led project to upgrade the safety and operation of the existing Sycamore Dam, located southeast of the intersection of Central Avenue and Chicago Avenue. The improvements include replacing the existing gate assembly and control system, replacing the existing outlet structure with a new debris rack outlet structure to reduce clogging potential, and redesigning the maintenance access road for safer entry from Central Avenue. The project also includes the development of two standard drawings for outlet structures (one gated and one non-gated), which can be used at various dam and basin sites. The District's consultant, HDR, completed the 30% plan phase for the project, and the District is currently developing a separate Request for Qualifications to select a consulting firm to perform the structural design and geotechnical investigation.

Paramount Estates MDP Line C (1-8-00266-01) D3

This project is a collaboration between the District, the City of Jurupa Valley, and a developer to deliver the master-planned Line C storm drain system. The objective for this project is to provide flood protection for the existing neighborhood southwest of the Canal Street and Opal Street intersection in Jurupa Valley. Through the collaboration with the developer, it will also provide flood protection to parts of Tentative Tract Map 37211. The project will include 1,100 feet of various size (36"-48") reinforced concrete pipe, 77 feet of a double cell 11'x7' reinforced concrete box, and modifications to both the existing Sunnyslope Channel and Sunnyslope Channel Freeway Lateral. The project is currently in the final stage of construction and is scheduled for completion in October 2022.

Zone 1
Report to the Zone Commissioners
September 2022

Active Partner-Led Projects

Riverside Northside Specific Plan MDP (1-6-10001) PLN

The City of Riverside is leading this study of the Northside Specific Plan area, which is located northwest of the I-215/91/60 interchange. This detailed study will evaluate the storm drain infrastructure needed to provide flood protection to the area and allow the Northside Specific Plan to advance. The District is funding this study. The City of Riverside has hired a consultant to perform the hydrologic and hydraulic analysis for the development of the Master Drainage Plan.

Santa Ana River Levee Rehabilitation Federal Reach (1-8-00010-91) FP

This U.S. Army Corps of Engineers (Corps)-led project will rehabilitate damaged portions of the federally constructed reach of the Santa Ana River levee system, which begins at the San Bernardino County line and continues southwesterly to 46th Street. Approximately 9,000 feet of the right (west) levee will be rehabilitated starting from Market Street and continuing southwesterly downstream to just past Capary Road. Approximately 4,000 feet of the left (east) levee will be rehabilitated starting from the County line and continuing southwesterly downstream to approximately Columbia Avenue. This project also includes a short reach of the left (east) levee between Market Street and State Route (SR) 60. Levee rehabilitation will include replacing and grouting the existing levee rock slope protection as well as extending the rock slope protection deeper than the existing condition. The Corps awarded the project construction to Skanska USA on June 6, 2022. Prior to construction, scheduled for September 2022, Skanska will obtain an encroachment permit with Caltrans for the work under SR 60, will set up an agreement with the City of Riverside for use of Carlson Bark Park as ingress/egress into the Santa Ana River, and will coordinate with the City of Riverside and County Parks for the Santa Ana River Trail closures and detours. The District is currently managing pre-construction transient coordination efforts with multiple partners, such as the Riverside County Park and Open-Space District, Riverside County Housing and Workforce Solutions, City of Riverside and their Multi-Disciplinary Team, City of Jurupa Valley, Riverside County Sheriff, and Riverside Police Department, to assist with the construction of the project.

Monroe MDP - Monroe Storm Drain (1-8-00071-05) SP

This City of Riverside-led project will upgrade the capacity of the existing Monroe Channel to adequately convey flows from a 10-year storm event. The project will replace and collect flows from the existing channel with 3,600 feet of underground storm drain from California Avenue to Colorado Avenue. The project will include multi-benefit features as the City will construct a public use trail over the underground storm drain for a recreational feature for the neighboring community. The Cooperative Agreement between the District and the City was executed in September 2021, and the City is currently working on the Request for Proposals to hire an engineering firm to design the project.

Monroe MDP Line E (1-8-00073-02, -03) D3

This City of Riverside-led project consists of an 11,200-foot underground storm drain system that will reduce flooding along Gratton Street, Hermosa Drive, and Dufferin Avenue in the Arlington Heights neighborhood of Riverside. The storm drain collects storm water along Hermosa Drive, then conveys it along Gratton Street, and discharges into the existing portion of Line E north of Lincoln Avenue and into Monroe Basin. The project is currently under final stage of construction and is scheduled for completion in October 2022.

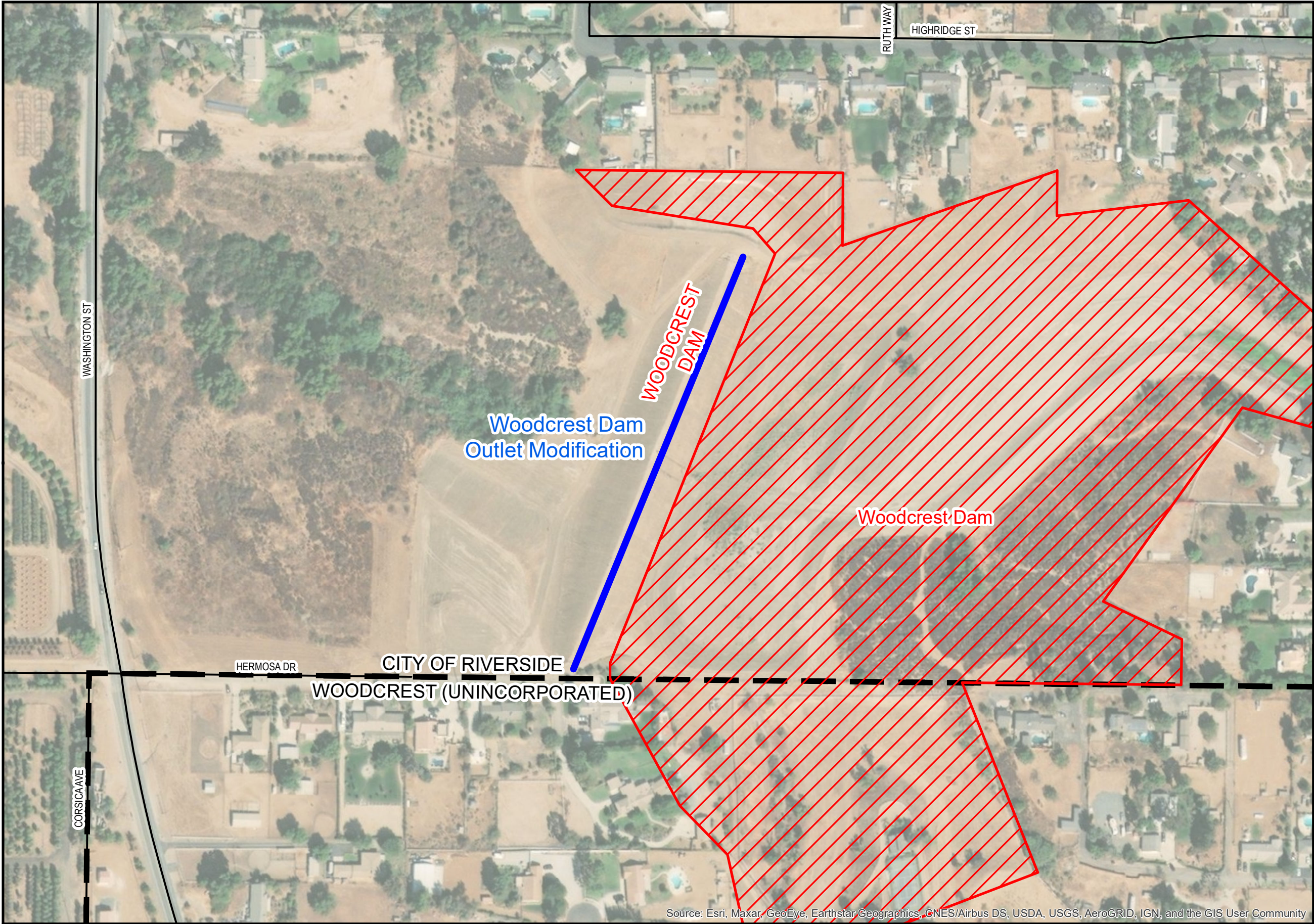
Zone 1
Report to the Zone Commissioners
September 2022

Box Springs MDP Line D (1-8-00089-01) SP

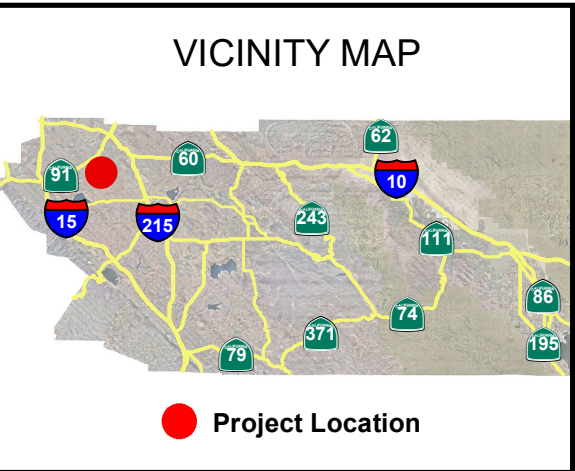
This City of Riverside-led project will construct 4,300 feet of storm drain line to collect and convey flows from the intersection of Kansas Avenue and Third Street to the intersection of Mission Inn Avenue and Commerce Street, where it will tie into an existing junction and stub out into the Box Springs Storm Drain. The project will alleviate flooding issues experienced in the area. The Cooperative Agreement between the District and the City was executed in March 2022, and the City has hired a design consultant to prepare final design plans for the project.

Southwest Riverside MDP Line E-1 (1-8-00306-01) SP

This City of Riverside-led project will construct 4,150 feet of 48-inch storm drain. The project will collect flows from the natural low in Dufferin Avenue and convey them southwesterly to John Street, then continue northwest within John Street to Victoria Avenue, then northeast in Victoria Avenue where it will connect to the existing City-maintained Harrison Dam Outlet, Stage 1. The project will alleviate flooding issues affecting the surrounding area. The District and City are currently working on the cooperative funding agreement, and the City will select an engineering firm to complete the design upon execution of the agreement. Design is set to start this Fiscal Year 22-23.

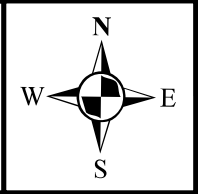
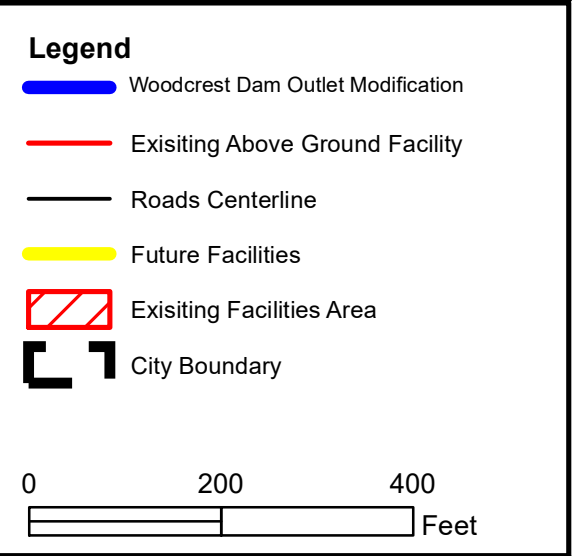


Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

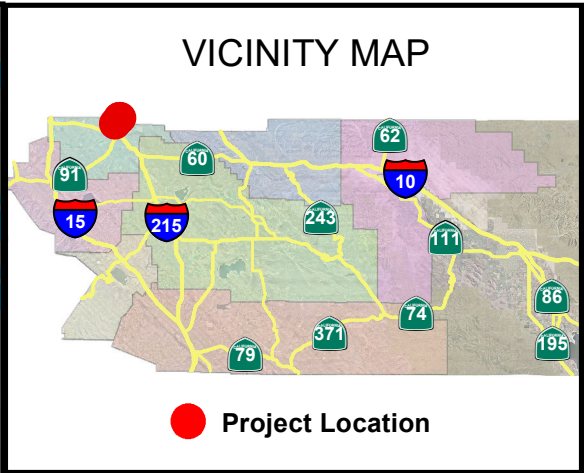
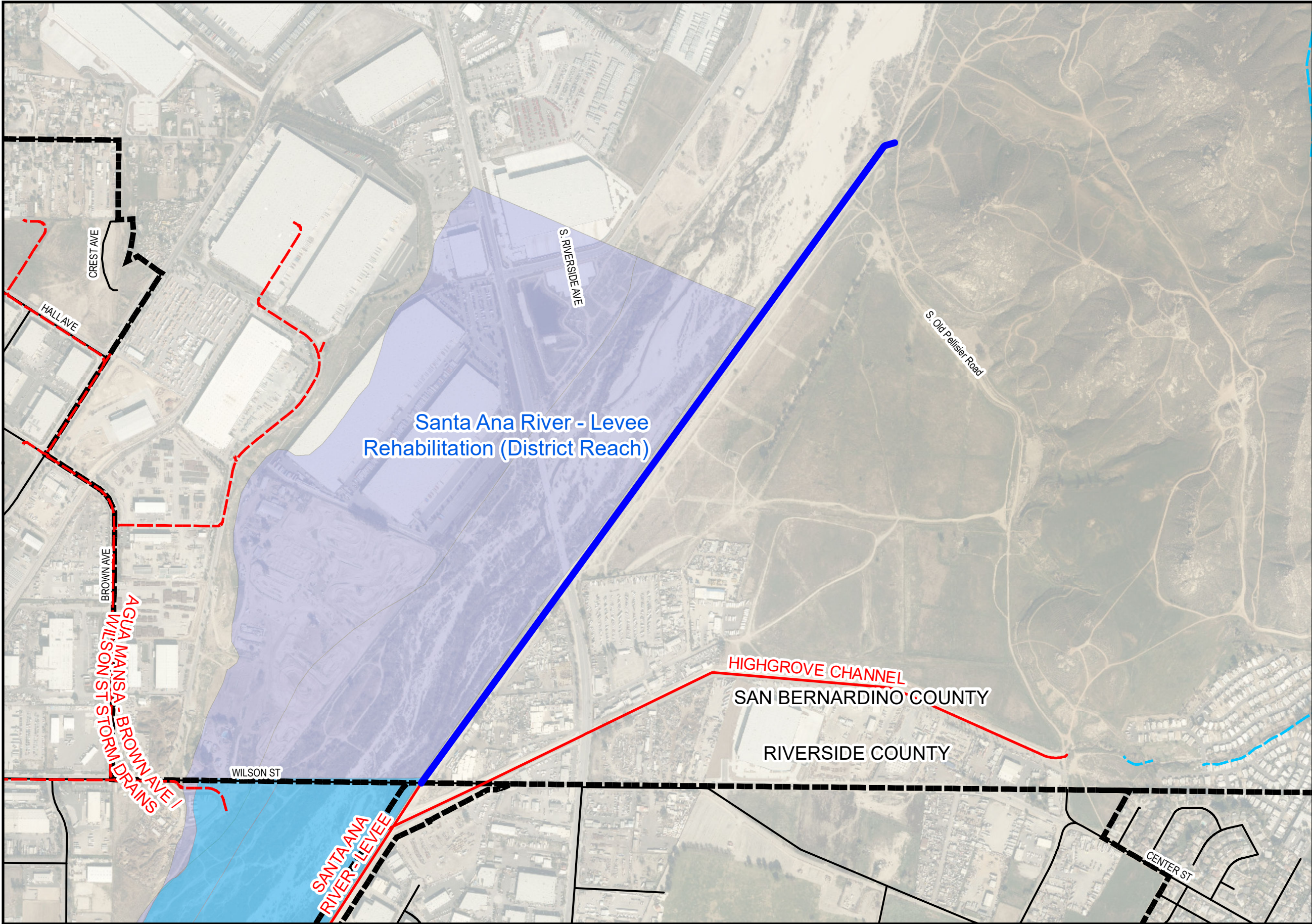


Description

This is a District-led project to upgrade the safety and operation of Woodcrest Dam. The improvements include replacing the existing gate assembly and control system, replacing the existing outlet structure with a new debris rack outlet structure to reduce clogging potential, and installation of erosion control measures on the embankment slope.

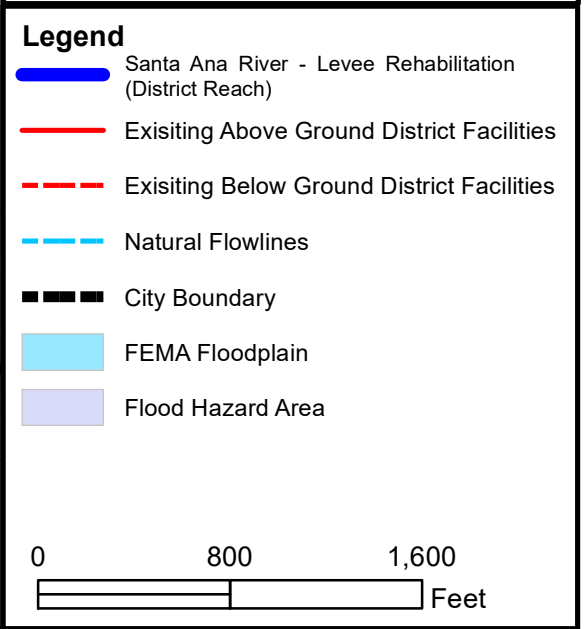


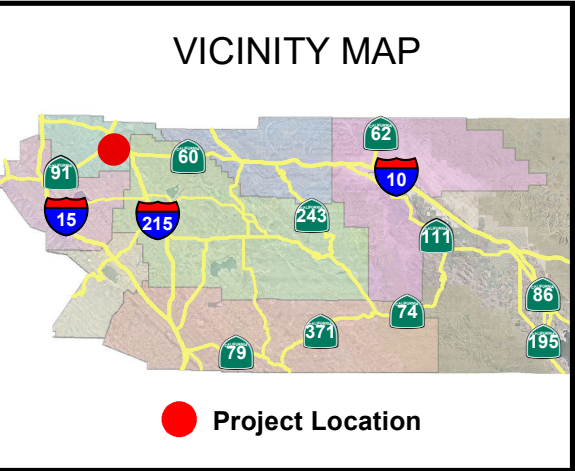
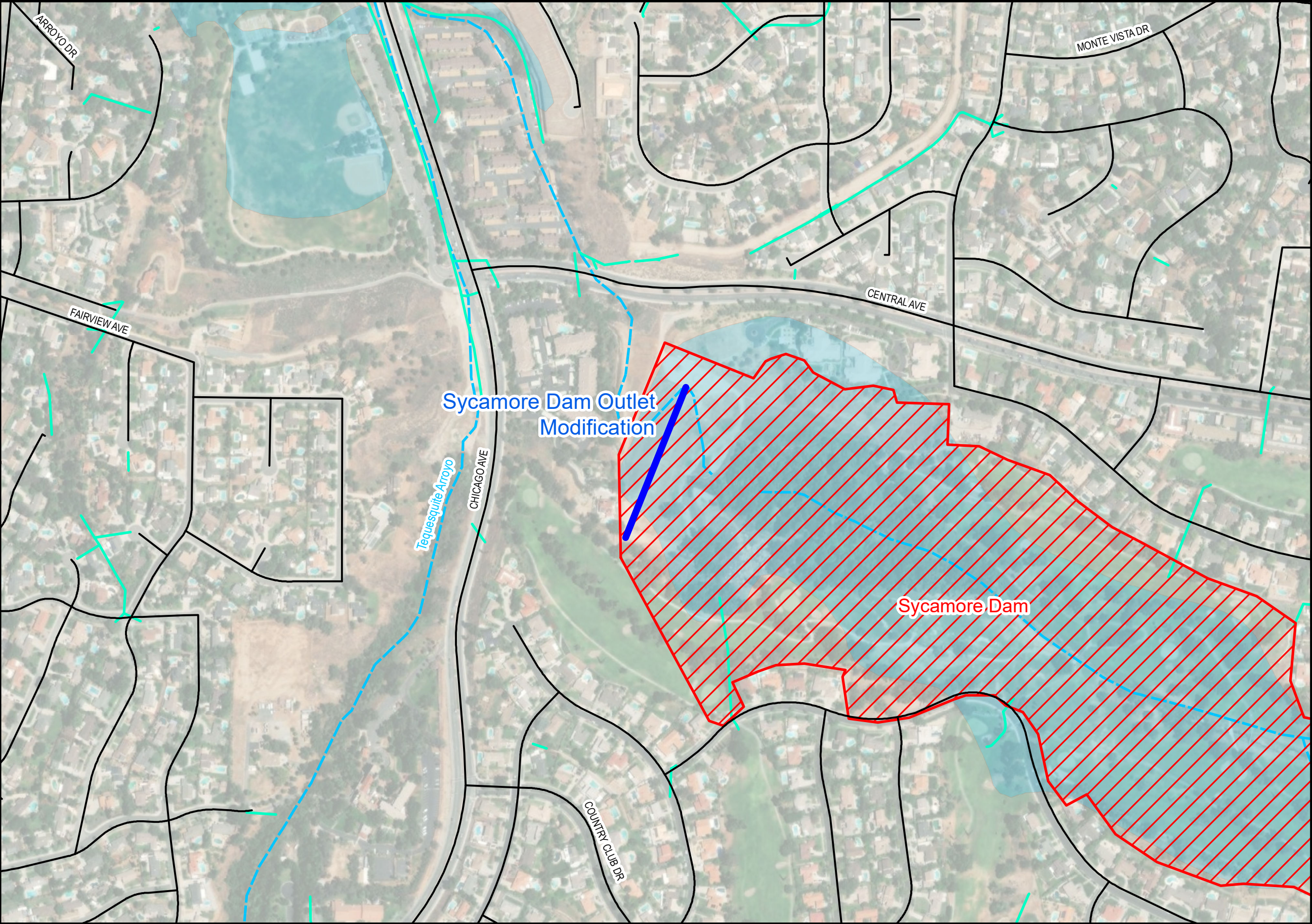
Project No.	1-8-00045
Engineer	D. Aguirre
Date Created	6/21/2021



Description

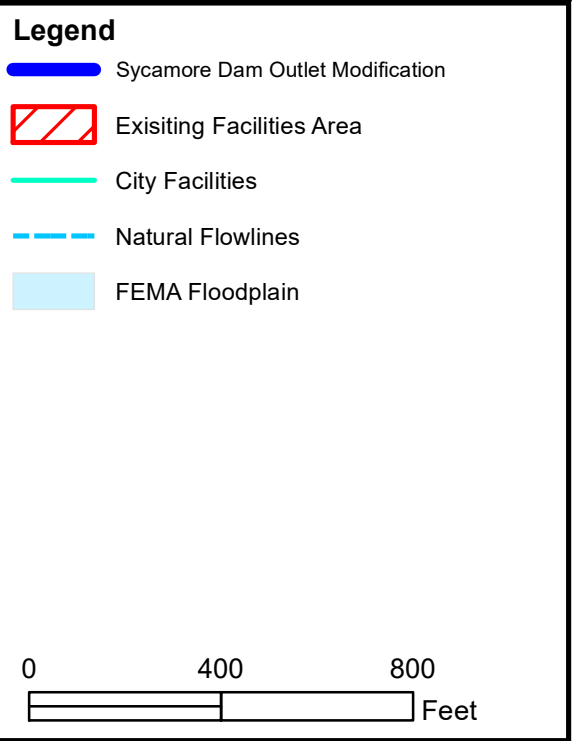
This District-led project will rehabilitate the 'non-federal' reach of the Santa Ana River levee system to ensure the levee is adequately protected consistent with Federal Emergency Management Agency certification standards. The project is located within the County of San Bernardino, starting near S. Old Pellisier Road and extending southeasterly downstream approximately 6,165 feet to the Riverside-San Bernardino County line where the project will tie into the terminus of the Army Corps-led Santa Ana River – Levee Rehabilitation (Federal Reach). Levee rehabilitation will include replacing and grouting the existing levee rock slope protection, as well as extending the rock slope protection deeper below the calculated scour depths.





Description

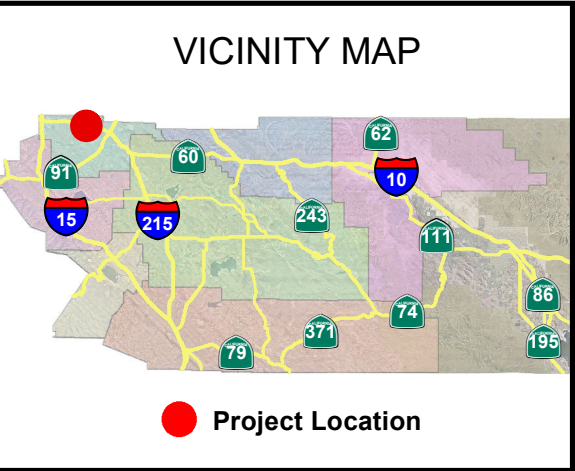
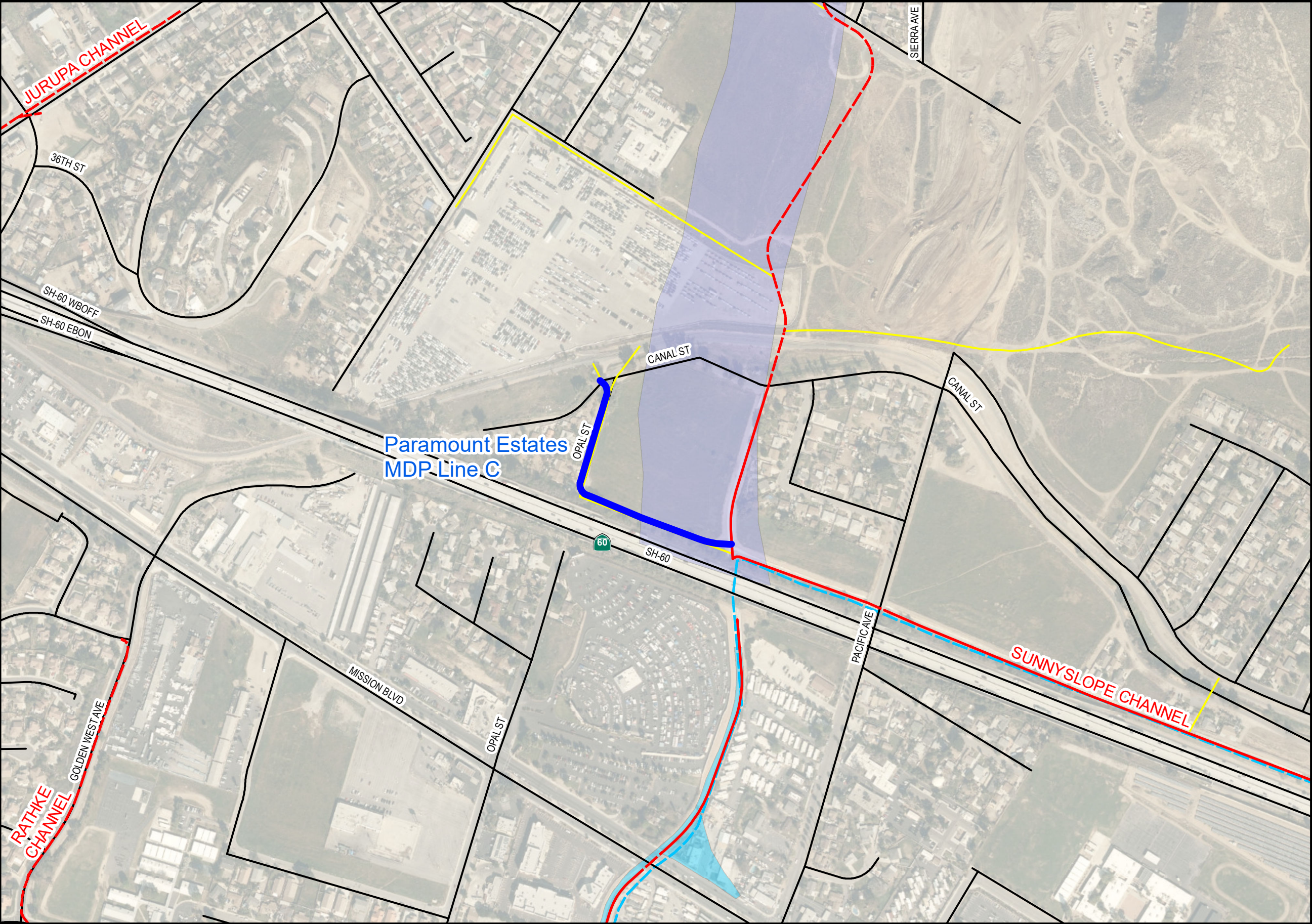
This is a District-led project to upgrade the safety and operation of the existing Sycamore Dam, located southeast of the Central Avenue-Chicago Avenue intersection. The improvements include replacing the existing gate assembly and control system, replacing the existing outlet structure with a new debris rack outlet structure to reduce clogging potential and redesigning the maintenance access road for safer entry from Central Avenue.



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Sycamore Dam Outlet Modification
Supervisory District 1

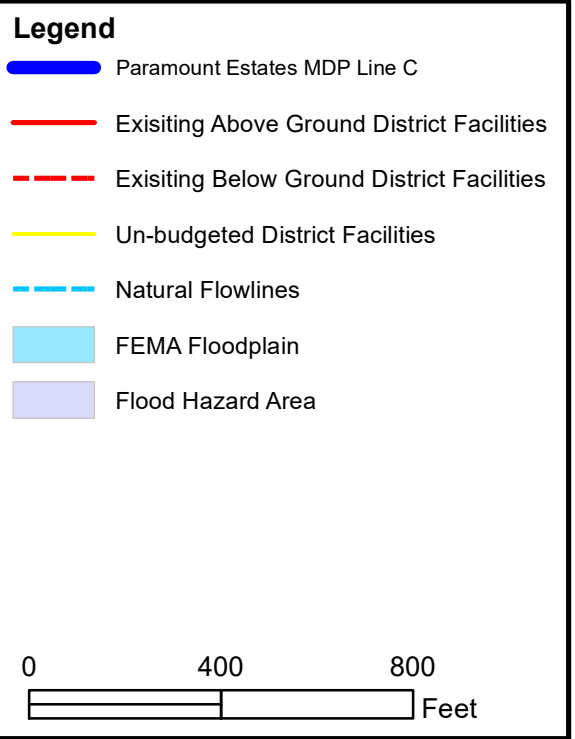


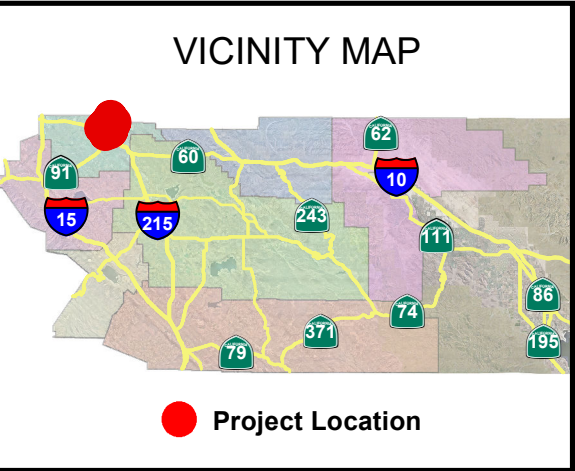
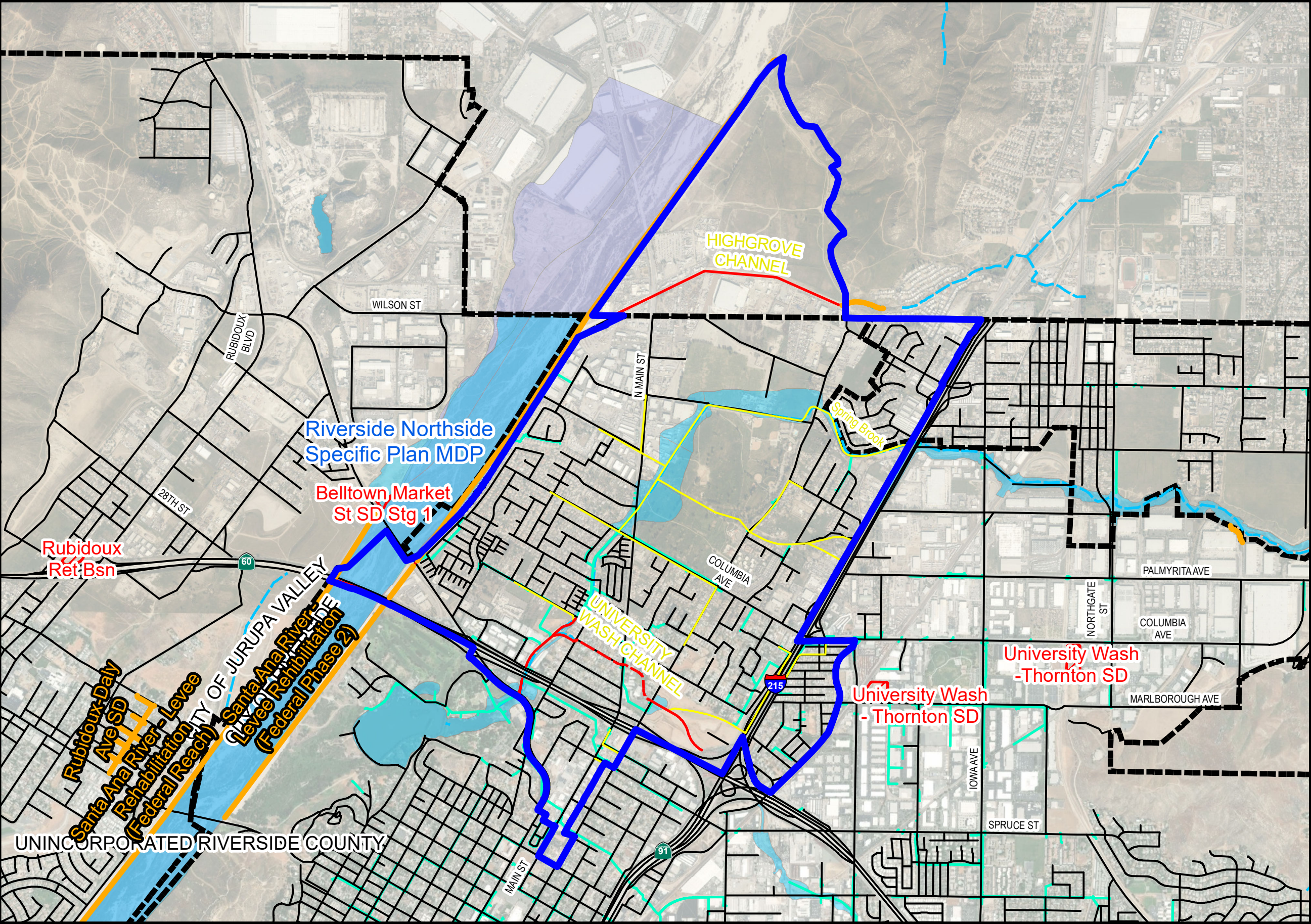
Project No.	1-8-00042
Engineer	A. Chan
Date Created	6/29/2022



Description

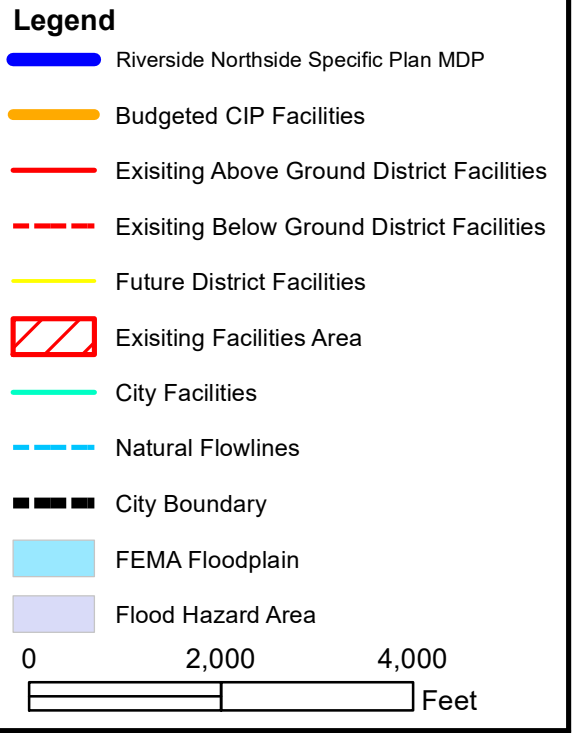
This project is a collaboration between the District, the City of Jurupa Valley and a Developer to deliver the master-planned Line C storm drain system. The objective for this project is to provide flood protection for the existing neighborhood southwest of the Canal Street and Opal Street intersection in Jurupa Valley. Through the collaboration with the Developer, it will also provide flood protection to parts of Tentative Tract Map 37211. The project will include 1,100 feet of various size reinforced concrete pipe (36"-48"), 77 feet of a double cell 11'x7' reinforced concrete box, and modifications to both the existing Sunnyslope Channel and Sunnyslope Channel Freeway Lateral.





Description

The City of Riverside is leading this study of the Northside Specific Plan area which is located northwest of the I-215/91/60 interchange. This detailed study will evaluate the storm drain infrastructure needed to provide flood protection to the area and allow the Northside Specific Plan to advance.



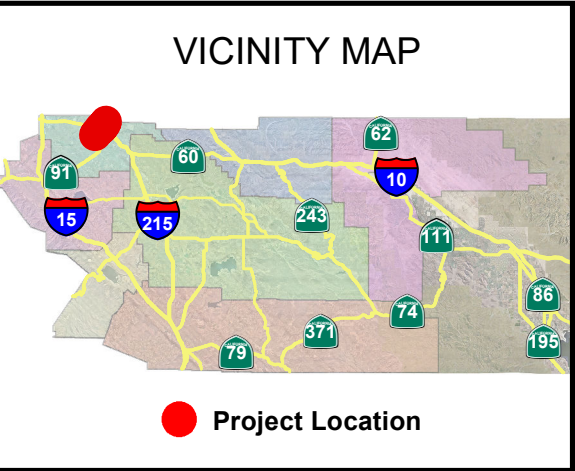
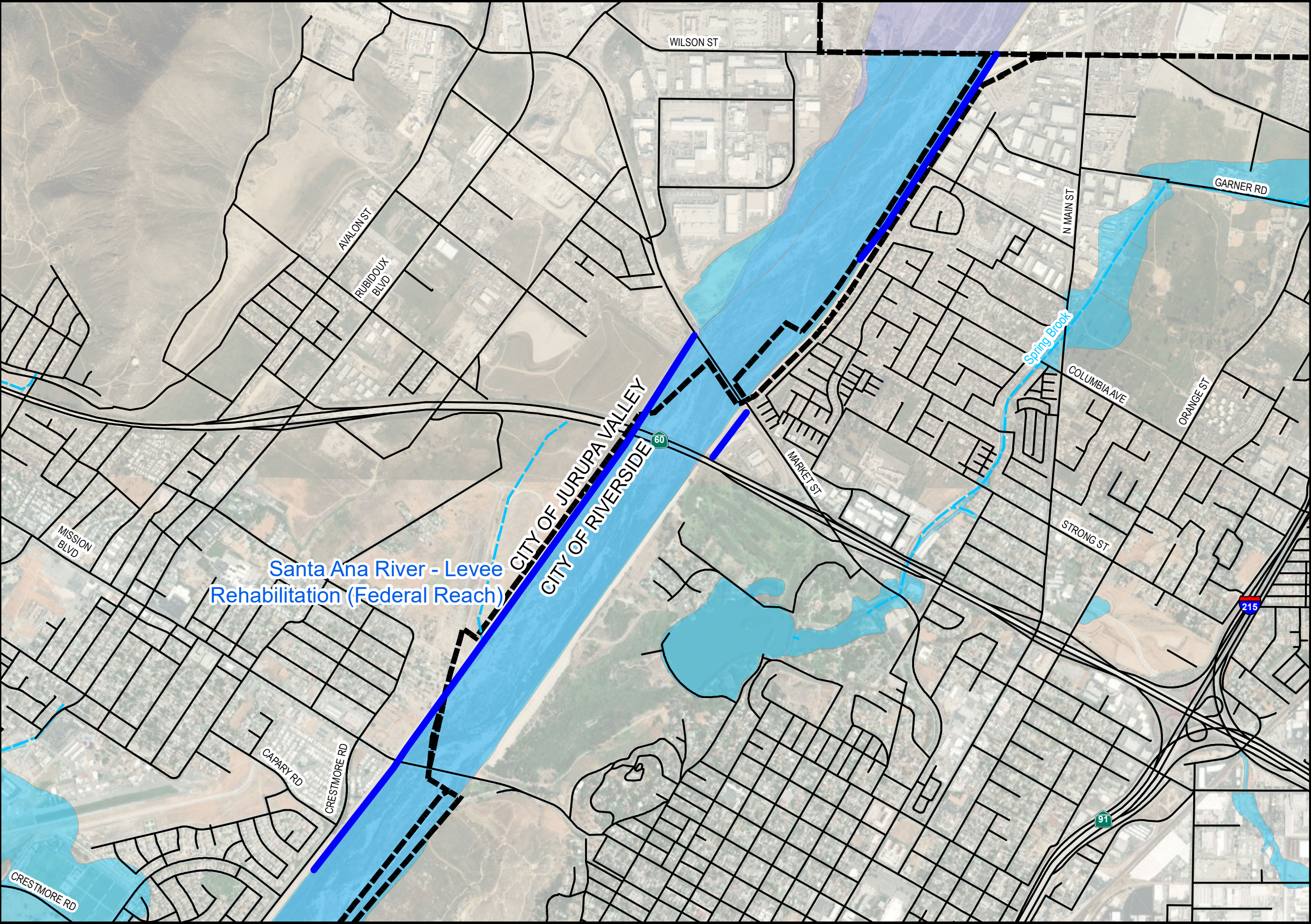
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Riverside Northside Specific Plan MDP

Supervisory District 2

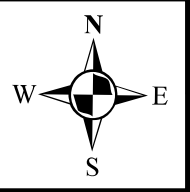
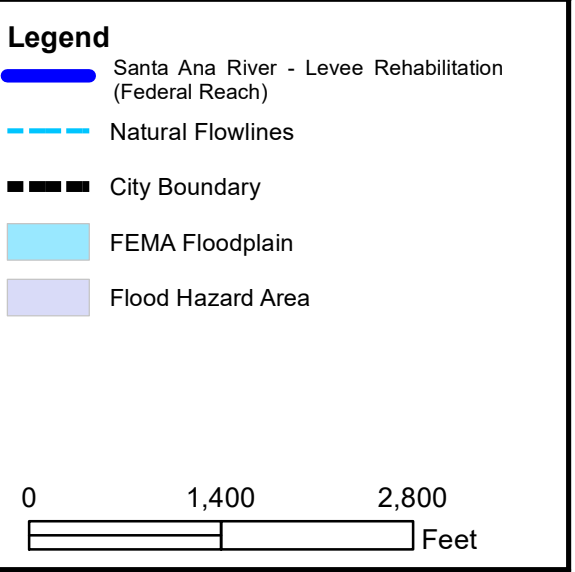


Project No.	1-6-10001
Engineer	O. Pearson
Date Created	6/29/2022

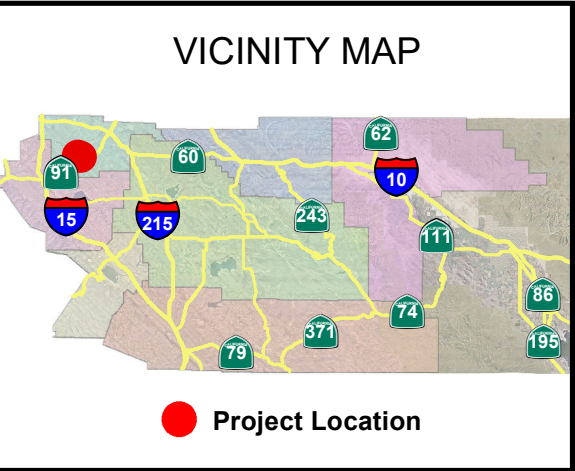


Description

This U.S. Army Corps of Engineers (Corps)-led project will rehabilitate damaged portions of the federally-constructed reach of the Santa Ana River levee system, which begins at the San Bernardino County line and continues southwesterly to 46th Street. Focusing on approximately 9,000 feet of the right (west) levee will be rehabilitated starting from Market Street and continue southwesterly downstream to just past Capary Road. Approximately 4,000 feet of the left (east) levee will be rehabilitated starting from the County line and continue southwesterly downstream to approximately Columbia Avenue. This project also includes a short reach of the left (east) levee between Market Street and State Route 60. Levee rehabilitation will include replacing and grouting the existing levee rock slope protection, as well as extending the rock slope protection deeper than the existing condition.



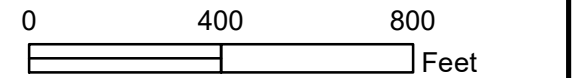
Project No.	1-8-00010
Engineer	J. Adams
Date Created	6/27/2022



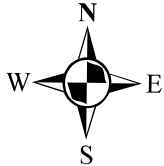
Description

The City of Riverside-led project will upgrade the capacity of the existing Monroe Channel to adequately convey flows from a 10-year storm event. Project will replace and collect flows from the existing channel with 3,600 feet of underground storm drain from California Avenue to Colorado Avenue. Project will include multi-benefit features as the City will construct a public use trail over the underground storm drain for a recreational feature to the neighboring community.

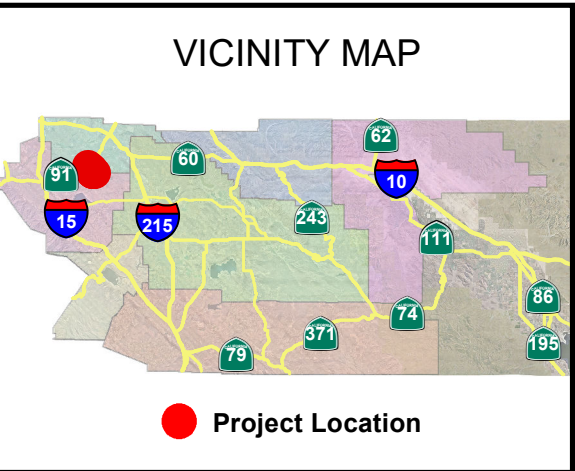
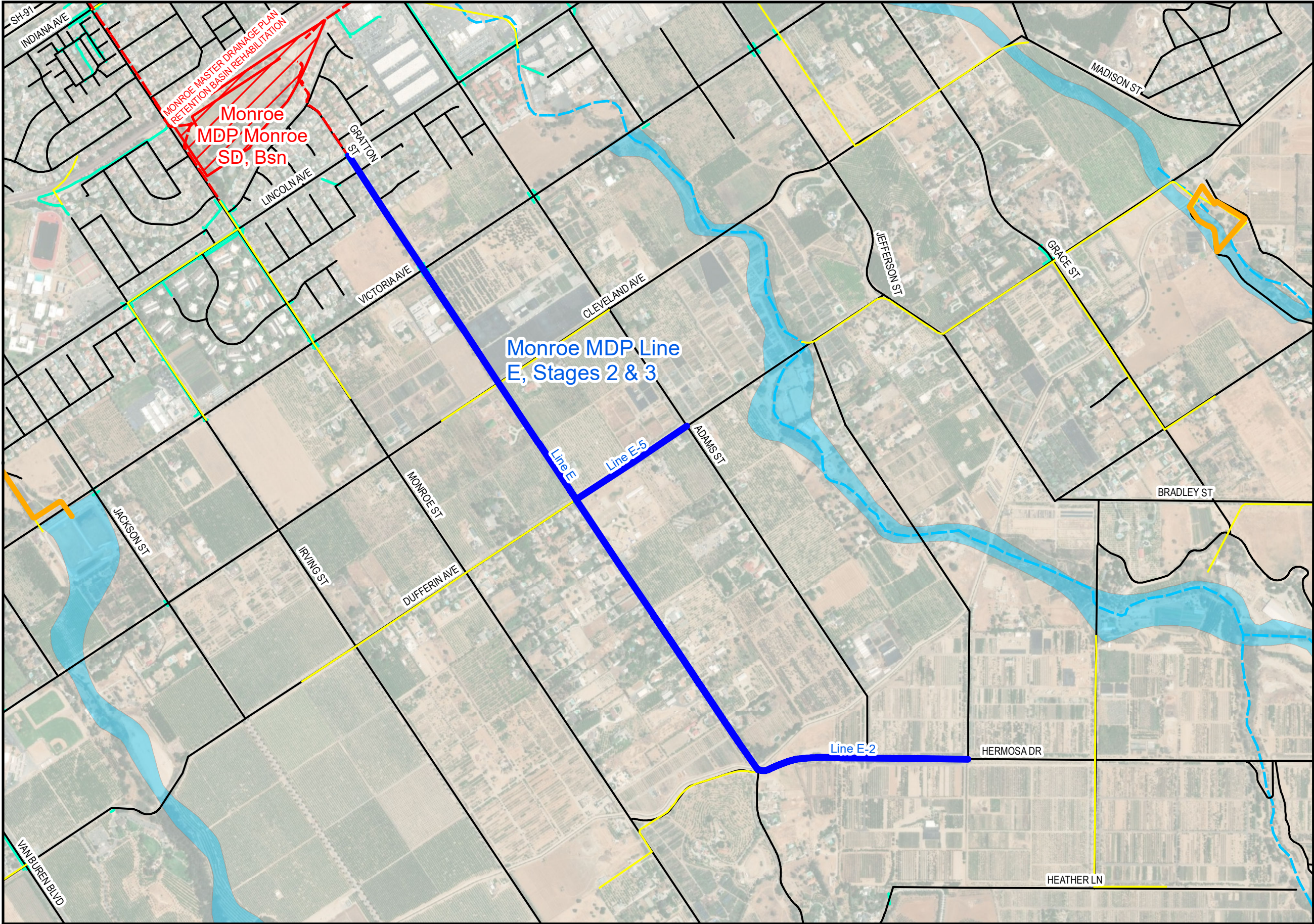
- ### Legend
- Monroe MDP - Monroe Storm Drain
 - Existing Below Ground District Facilities
 - Un-budgeted District Facilities
 - City Facilities



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Monroe MDP - Monroe Storm Drain
Supervisory District 1

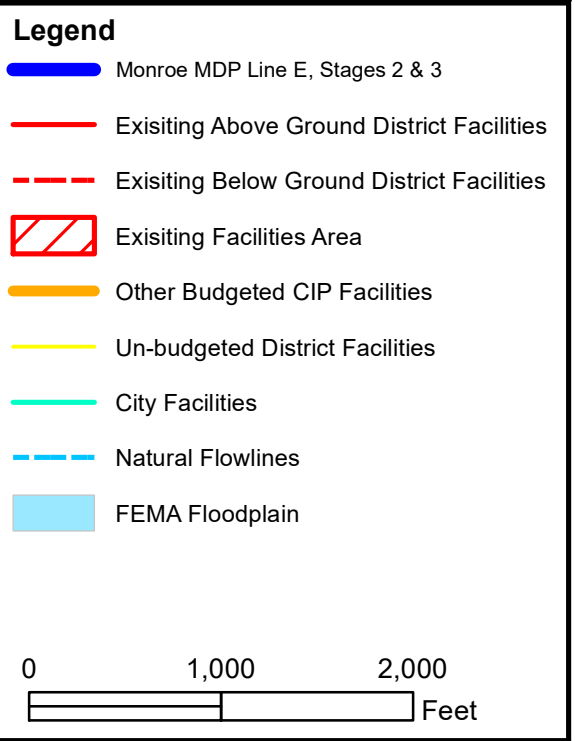


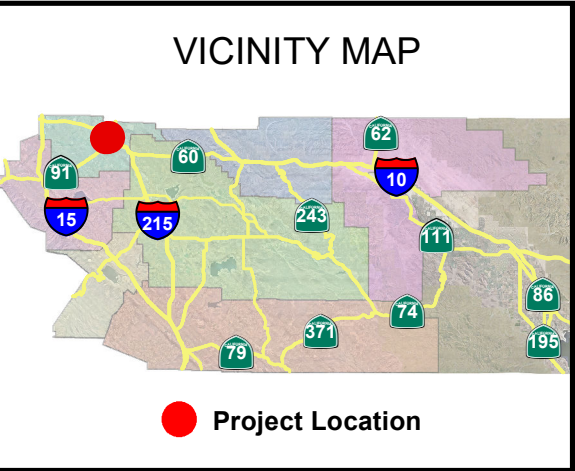
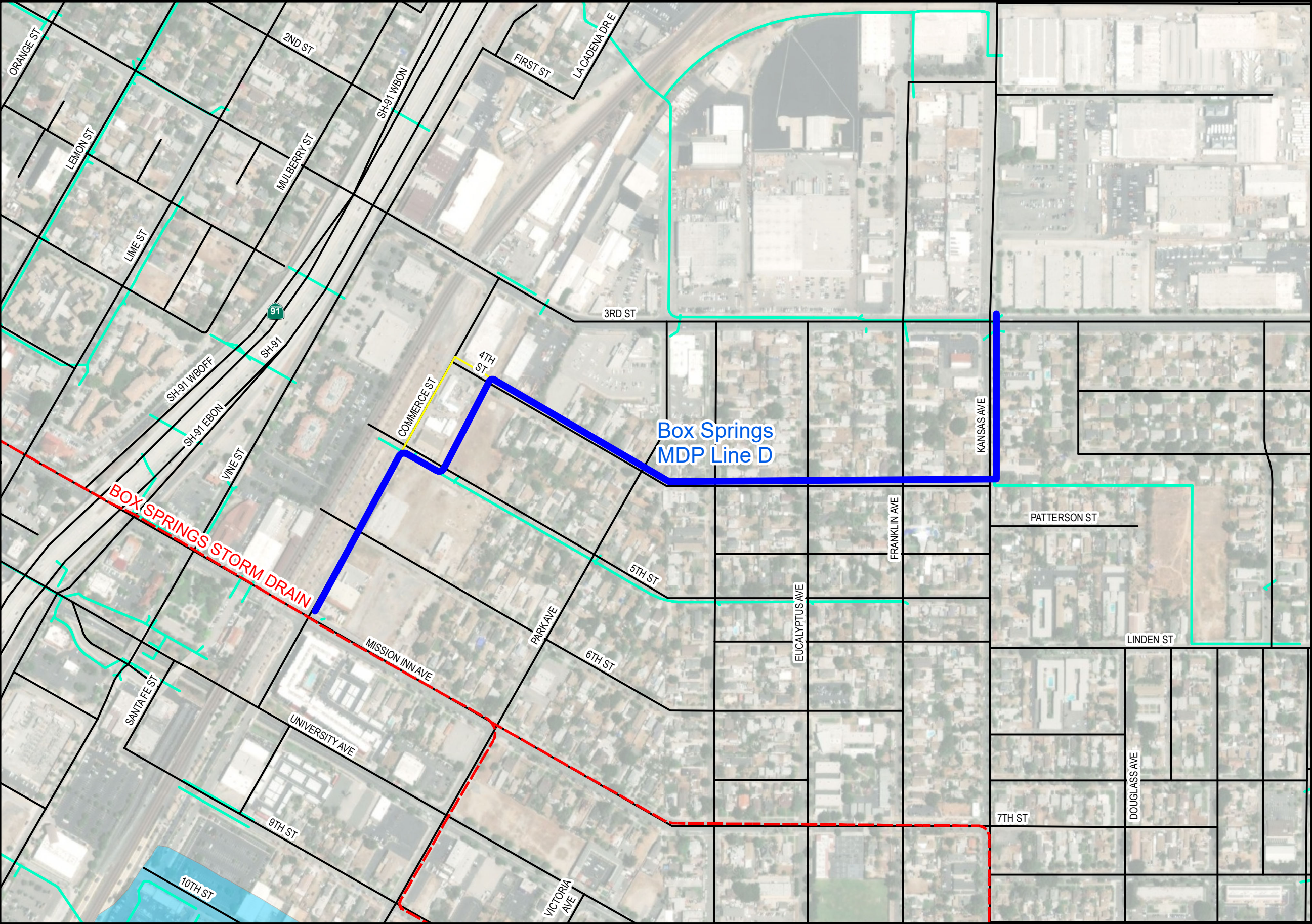
Project No.	1-8-00071
Engineer	A. Leung
Date Created	6/29/2022



Description

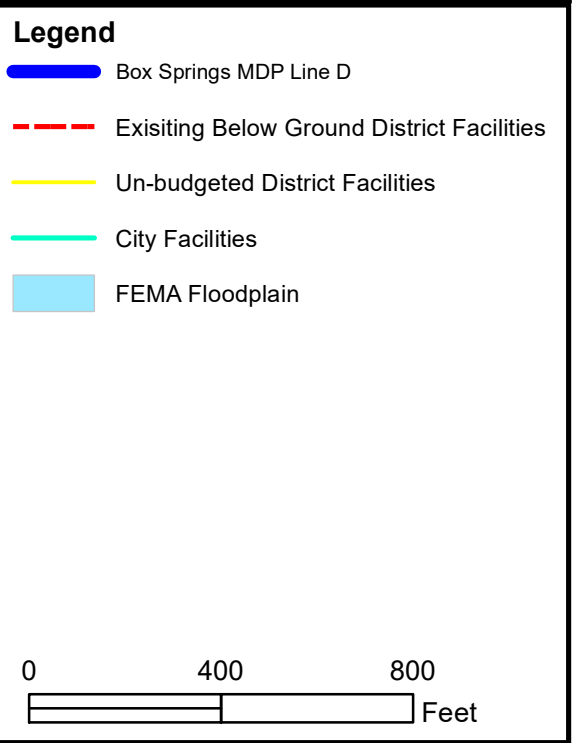
This City of Riverside-led project consists of an 11,200-foot underground storm drain system that will reduce flooding along Gratton Street, Hermosa Drive, and Dufferin Avenue in the Arlington Heights neighborhood of Riverside. The storm drain collects storm water along Hermosa Drive, then conveys it along Gratton Street and discharges into existing portion of Line E north of Lincoln Avenue and into Monroe Basin.

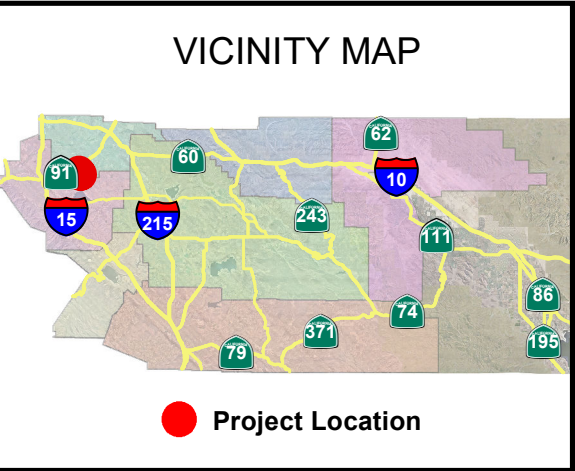
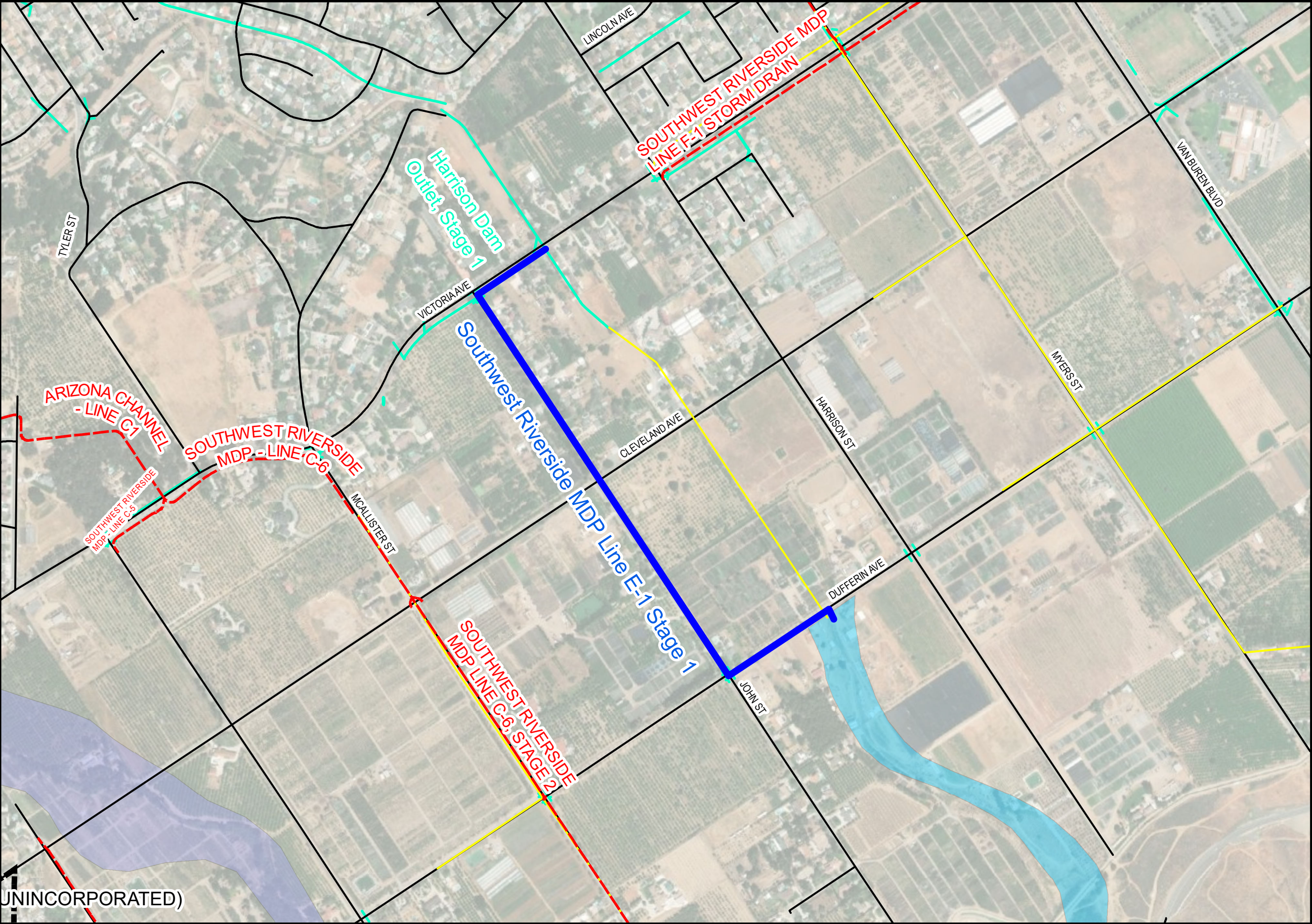




Description

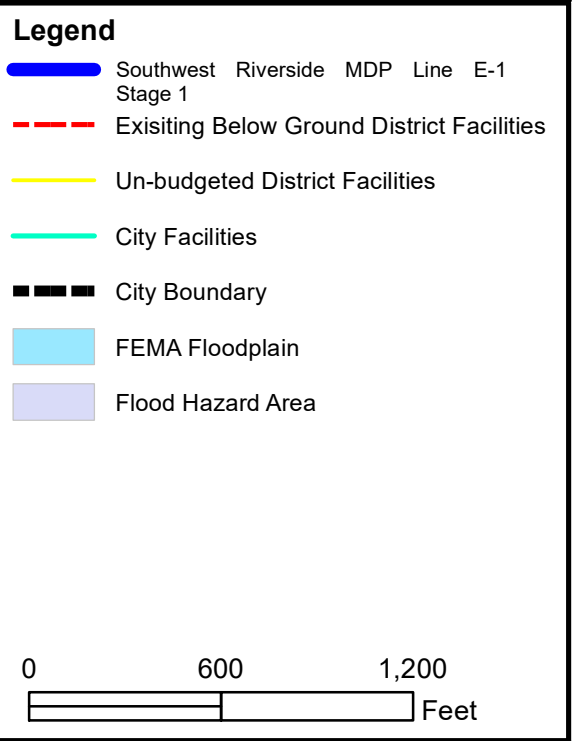
This City of Riverside-led project will construct 4,300 feet of storm drain line to collect and convey flows from the intersection of Kansas Avenue and Third Street to the intersection of Mission Inn Avenue and Commerce Street, where it will tie into an existing junction and stub out into the Box Springs Storm Drain. Project will alleviate flooding issues experienced within the area.





Description

The City of Riverside-led project will construct 4,150 feet of 48-inch storm drain. Project will collect flows from the natural low in Dufferin Avenue and convey flows southwest to John Street, continue northwest within John Street to Victoria Avenue, then head northeast in Victoria Avenue where it will connect to the existing City-maintained Harrison Dam Outlet, Stage 1. The project will alleviate flooding issues affecting the surrounding area.



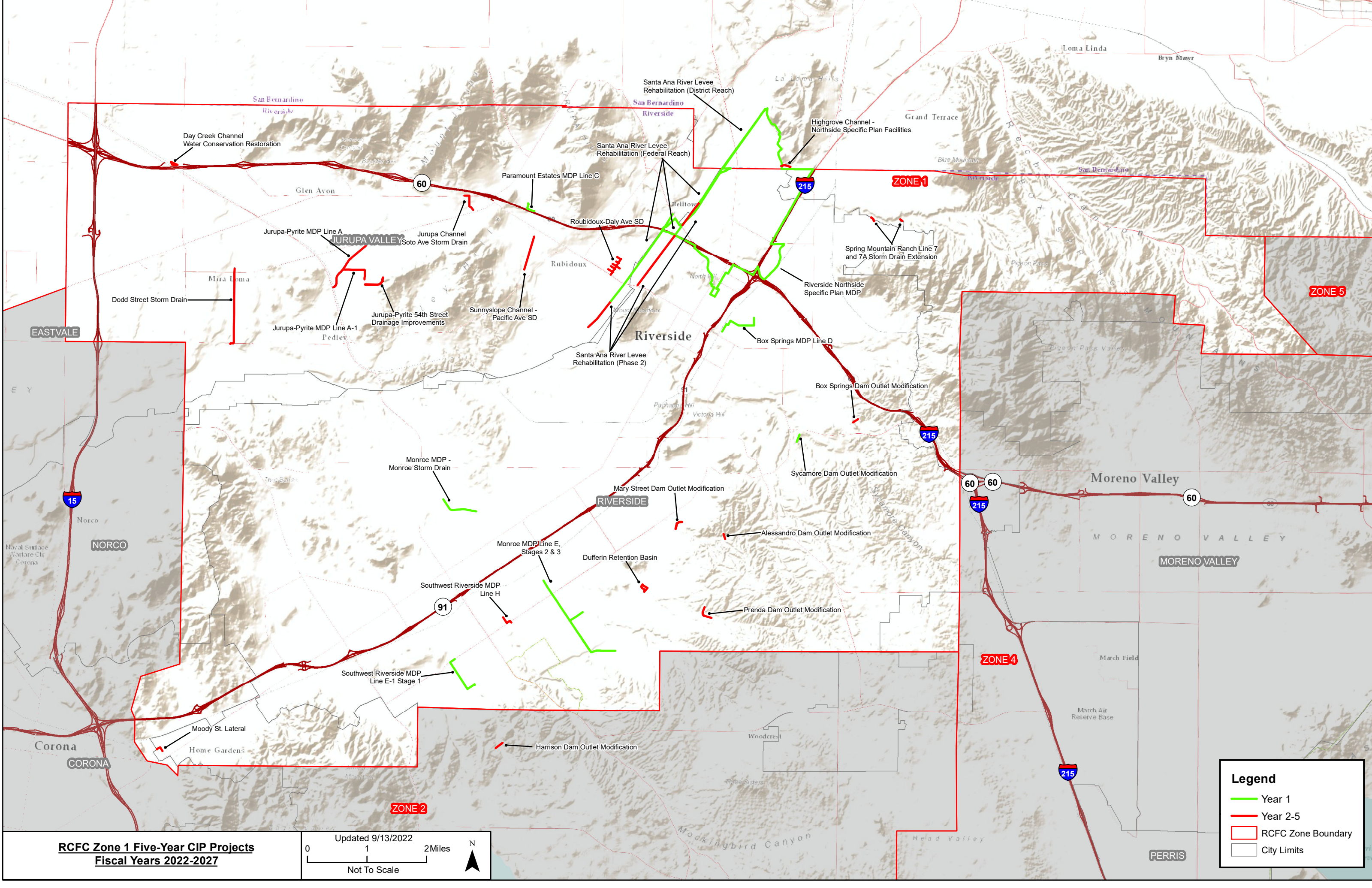
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Southwest Riverside MDP Line E-1 Stage 1

Supervisorial District 1



Project No.	1-8-00306
Engineer	T. Hanson
Date Created	6/29/2022



Legend

- Year 1
- Year 2-5
- RCFC Zone Boundary
- City Limits

Zone 1 Budget Hearing

December 7, 2022



For attendees joining via TEAMS:

- Please keep your microphone muted until called upon.
- Handouts can be accessed from:
 - www.rcflood.org/cip

Flood Control



Storm Drains, Channels, Levees, Dams

Shared Responsibility for Flood Protection



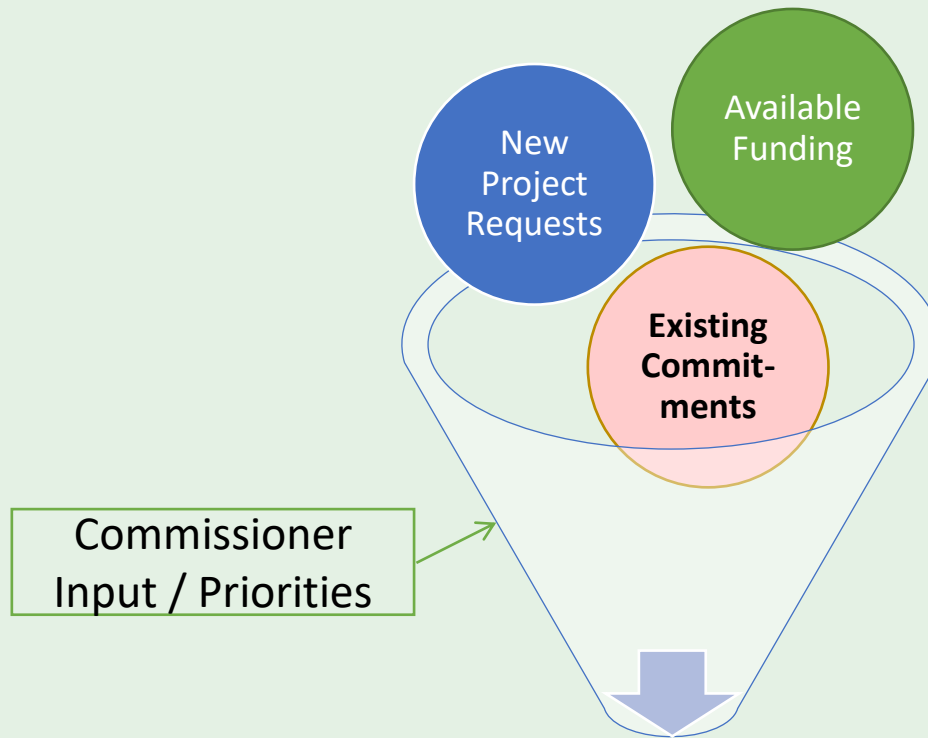
- Riverside County Flood
 - Dams, levees
 - Regional channels and storm drains
- Cities/County
 - Road culverts
 - Smaller storm drains ($\leq 36"$)
 - Catch basins (roadside inlets)
- Rural Property Owners/HOAs
 - Other drainage infrastructure
 - Natural washes



Hearing

New
Project
Requests

Hearing



District Staff Evaluate projects, costs, funding

Workshop





Available
Funding

Sunita Jain

Administrative Services Supervisor

ZONE 1

DON HARRIGER, 1st District

CHUCK KRIEGER, 2nd District

VACANT, 1st District

The demand for infrastructure generally outpaces available financial resources leaving many unmet needs.

The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

The available fund balance usually makes up the difference if projected revenue does not cover projected appropriations.



Fund Balance for FY 2021-2022

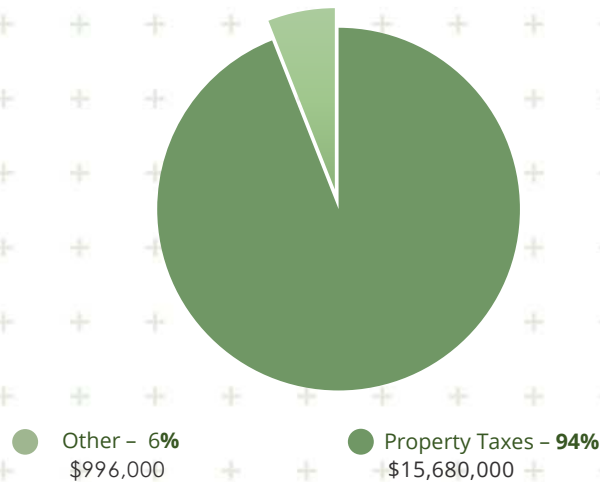
JULY 1, 2021 \$41,954,063

JUNE 30, 2022 \$46,560,639

Sources

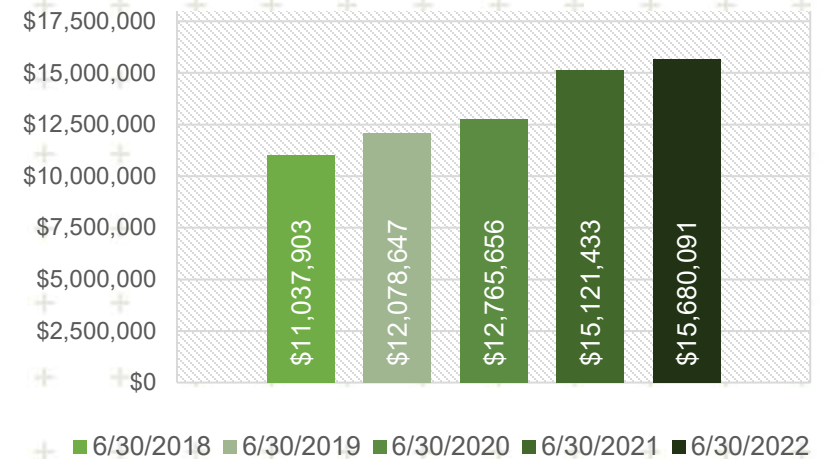
(Where the money comes from)

TOTAL \$16,676,000



Property Taxes

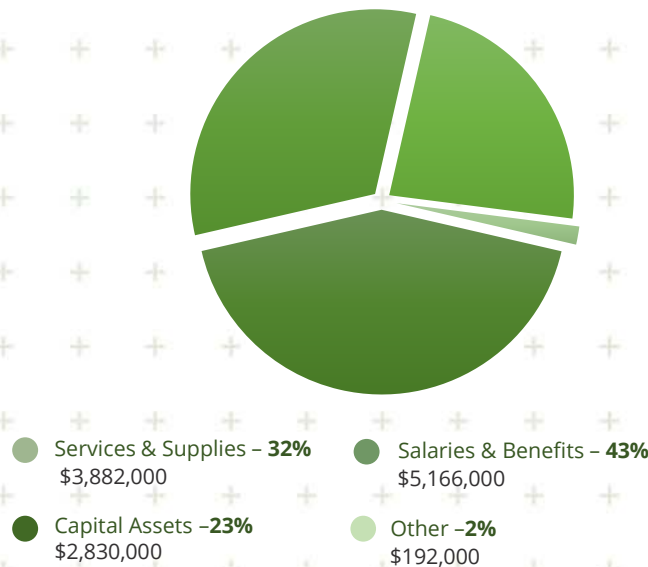
(5 year trend)



Expenditures

(Where the money is spent)

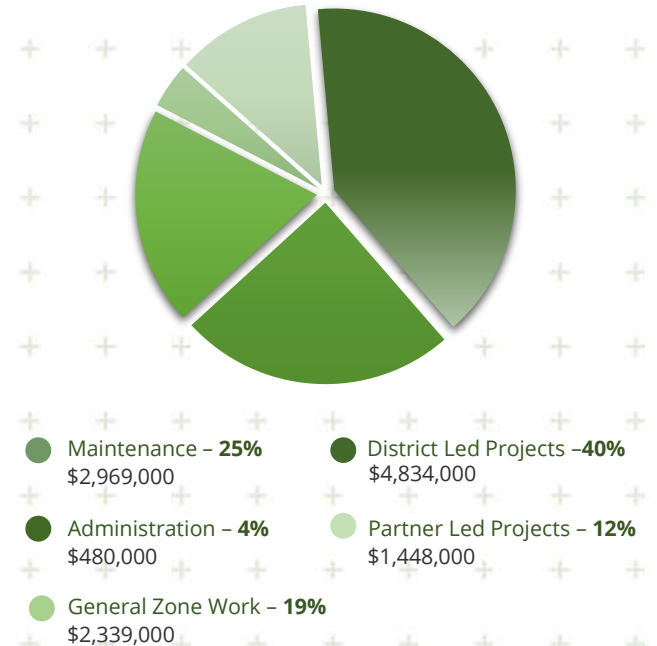
TOTAL \$12,070,000



Uses

(How the money is used)

TOTAL \$12,070,000



ZONE 1

DON HARRIGER, 1st District

CHUCK KRIEGER, 2nd District

VACANT, 1st District

The demand for infrastructure generally outpaces available financial resources leaving many unmet needs.

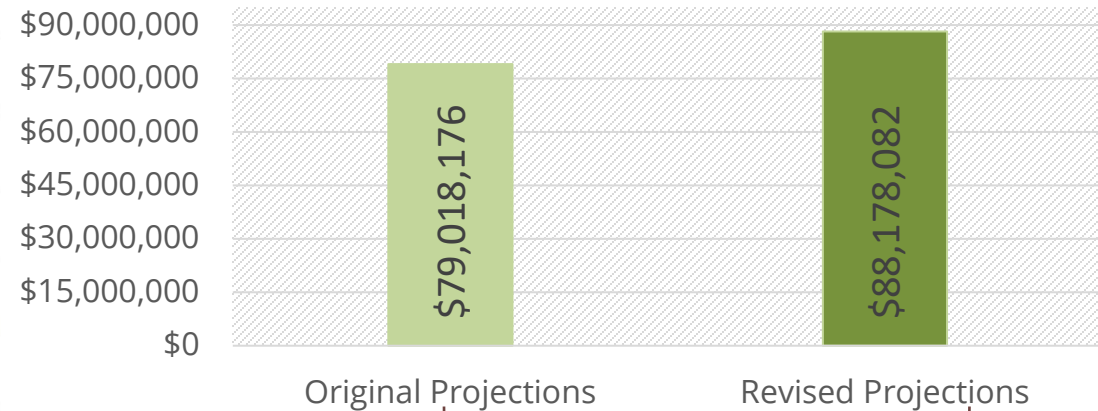
The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

The available fund balance usually makes up the difference if projected revenue does not cover projected appropriations.



**Forecasting
FY23-24 thru FY27-28**

Original Projections vs. Revised Projections Additional Revenue Available




**Additional
Revenue
\$9,160,000**



**5th Year Of
New CIP
FY27-28
\$15,760,000**

**Forecasting \$24,920,000 to be available for Cost Increases
on Existing Projects and New Requests**

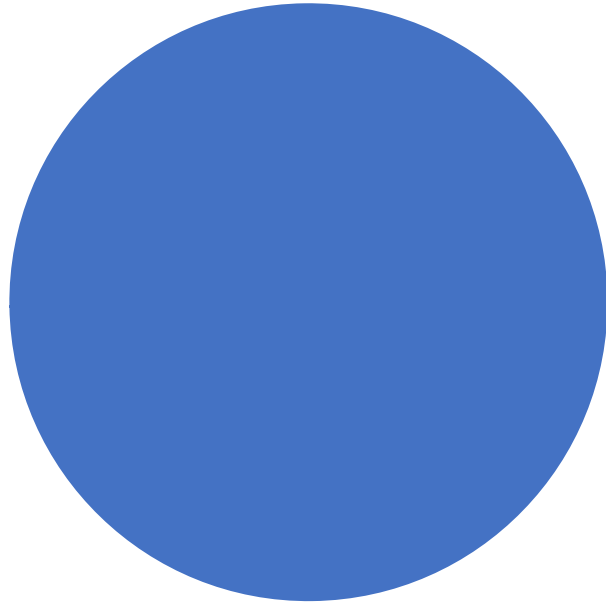


**Existing
Commitments**

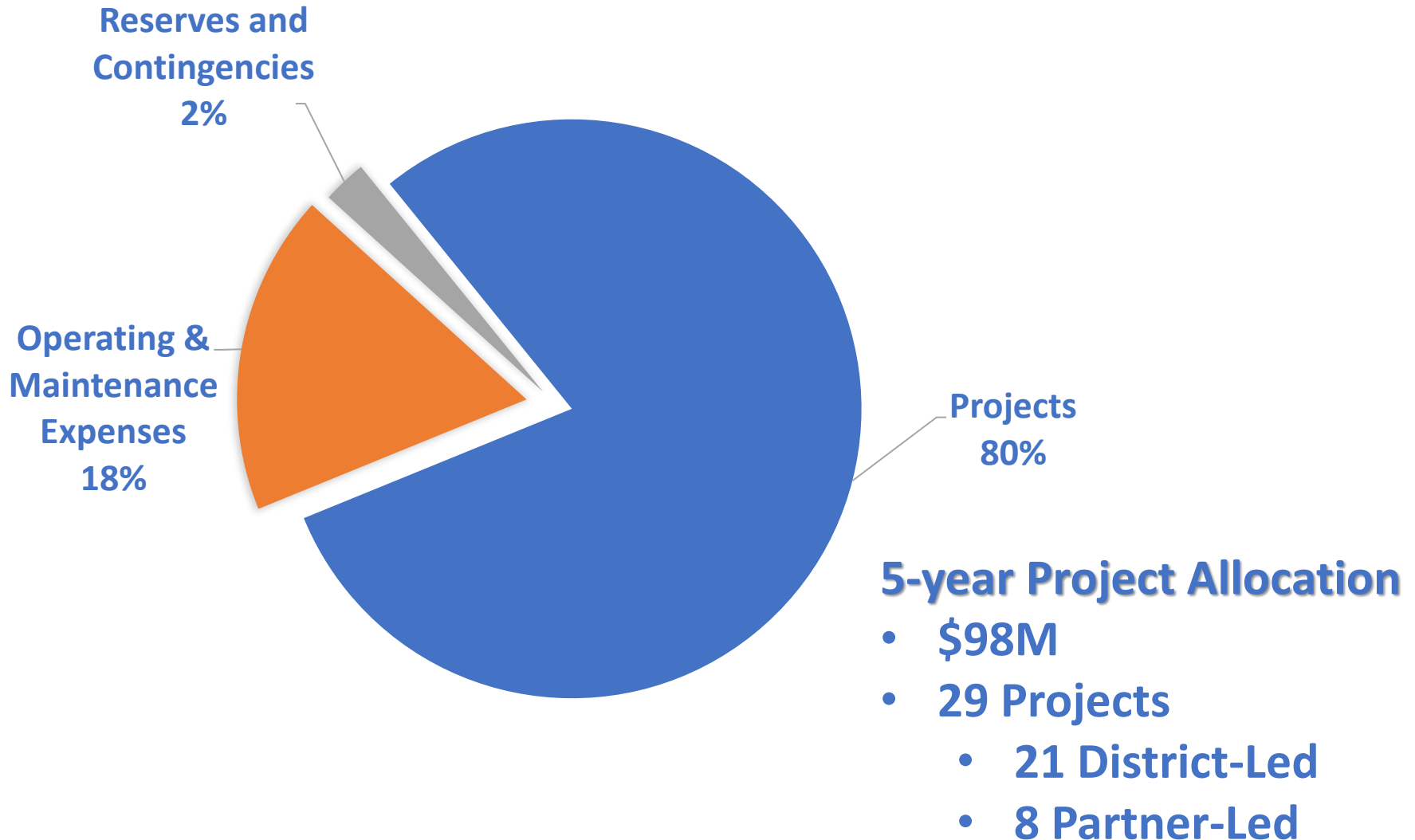


Komy Ghods
Chief of Design and Construction

Estimates from last February



5-Year Allocations per CIP



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DISTRICT LED PROJECT SUMMARY - ZONE 1
FISCAL YEARS 2022-23 THROUGH 2026-27

Project Number	Stg No.	Project Title	Project Cost	Appropriation		Funding Sources (5-Year Total)			Total Not District Funded
			Total Remaining Cost	FY 2022-23	FY 2023-27	Tax Revenue	ADP Contribution	External Contribution	
DESIGN AND CONSTRUCTION PROJECTS:									
1-8-00010	90	SANTA ANA RIVER REHABILITATION (DISTRICT REACH)	\$15,993,641	\$463,821	\$15,529,820	\$15,993,641	\$0	\$0	\$0
1-8-00042	90	SYCAMORE DAM OUTLET MODIFICATION	1,901,864	589,467	1,312,397	1,901,864	0	0	0
1-8-00266	01	PARAMOUNT ESTATES MDP LINES C	2,102,519	2,102,519	0	2,102,519	0	0	0
1-8-00041	90	BOX SPRINGS DAM OUTLET MODIFICATION	1,923,794	0	1,923,794	1,923,794	0	0	0
1-8-00043	90	ALESSANDRO DAM OUTLET MODIFICATION	1,923,679	0	1,923,679	1,923,679	0	0	0
1-8-00044	90	PRENDA DAM OUTLET MODIFICATION	1,924,602	0	1,924,602	1,924,602	0	0	0
1-8-00046	90	HARRISON DAM OUTLET MODIFICATION	1,923,794	0	1,923,794	1,923,794	0	0	0
1-8-00180	90	MARY STREET DAM OUTLET MODIFICATION	1,899,717	0	1,899,717	1,899,717	0	0	0
PLANNING PROJECTS:									
1-8-00102	01	SUNNYSLOPE CHANNEL-PACIFIC AVENUE SD	2,191,087	0	2,191,087	2,191,087	0	0	0
1-8-00235	01	JURUPA-PYRITE MDP LINE A	8,000,000	0	8,000,000	8,000,000	0	0	0
1-8-00250	90	DAY CREEK CH WATER CONSERVATION RESTORATION	590,429	0	590,429	0	590,429	0	0
1-8-00289	01	RUBIDOUX-DALY AVE SD	1,786,736	0	1,786,736	1,786,736	0	0	0
1-8-09021	00	DODD STREET STORM DRAIN	7,568,487	0	7,568,487	7,568,487	0	0	0
1-8-09033	00	JURUPA PYRITE MDP LINE A-1, STG 1	1,622,152	0	1,622,152	1,622,152	0	0	0
1-8-09042	00	JURUPA PYRITE 54TH ST DRAINAGE IMPROVEMENTS	503,943	0	503,943	503,943	0	0	0
1-8-09044	00	JURUPA CHANNEL SOTO AVENUE STORM DRAIN	723,758	0	723,758	723,758	0	0	0
1-8-09047	00	SOUTHWEST RIVERSIDE MDP LINE H	1,180,679	0	1,180,679	1,180,679	0	0	0
1-8-09049	00	HIGHGROVE CHANNEL-NORTHSIDE SPECIFIC PLAN FACILITIES	4,634,000	0	4,634,000	4,634,000	0	0	0
1-8-09056	00	DUFFERIN RETENTION BASIN	1,084,829	0	1,084,829	1,084,829	0	0	0
1-8-09057	00	MOODY STREET LATERAL	365,969	0	365,969	365,969	0	0	0
DESIGN AND CONSTRUCTION PROJECTS			\$29,593,610	\$3,155,807	\$26,437,803	\$29,593,610	\$0	\$0	\$0
PLANNING PROJECTS			30,252,069	0	30,252,069	29,661,640	590,429	0	0
ZONE 1 DISTRICT LED PROJECTS TOTALS			\$59,845,679	\$3,155,807	\$56,689,872	\$59,255,250	\$590,429	\$0	\$0

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2022:

Zone 1 Fund	\$41,689,871
ADP Sub Fund	1,413,385
Total Fund Balance Forward	\$43,103,256

REVENUE:

Taxes	\$79,018,176
Interest	505,524
ADP Fees	5,000
Rental	765,000
Subtotal Revenue	80,293,700
External Contribution	0
Total Five Year Revenue	\$80,293,700
Total Funds Available	\$123,396,956

APPROPRIATIONS:

District Led Projects Appropriations	\$59,845,679
Partner Led Projects Appropriations	38,096,879
Miscellaneous Watershed Protection Projects	100,000
Capital Project Cost Inflation	1,543,479
Operating & Maintenance Expenses	21,992,239
Contingencies	1,463,155
Subtotal Appropriations	\$123,041,431

ENDING FUND BALANCE - JUNE 30, 2027:

Zone 1 Fund	\$76,294
ADP Sub Fund	279,231
Total Ending Fund Balance	\$355,525

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PARTNER LED PROJECT SUMMARY - ZONE 1
FISCAL YEARS 2022-23 THROUGH 2026-27

Project Number	Stg No.	Project Title	Project Cost	Project Appropriation				Funding Sources		Total Not District Funded
				FY 2022-23		FY 2023-27		5-Year Total		
			Total Remaining Cost	District Direct Cost	Contribution to Partner Agency	District Direct Cost	Contribution to Partner Agency	Tax Revenue	ADP Contribution	
PARTNER LED CONTRIBUTION PROJECTS										
1-6-10001	00	RIVERSIDE NORTHSIDE SPECIFIC PLAN MDP	\$200,000	\$0	\$140,000	\$0	\$0	\$140,000	\$0	(\$60,000)
PARTNER LED CAPITAL IMPROVEMENT PROJECTS										
1-8-00010	91	SANTA ANA RIVER REHABILITATION (FEDERAL REACH)	3,200,000	1,000,000	0	2,200,000	0	3,200,000	0	0
1-8-00071	05	MONROE MDP - MONROE STORM DRAIN	14,322,496	60,870	1,150,000	461,626	12,650,000	14,322,496	0	0
1-8-00073	02	MONROE MDP LINE E STG 2 & 3	1,823,774	95,103	1,728,671	0	0	1,823,774	0	0
1-8-00089	01	BOX SPRINGS MDP LINE D STAGE 1	3,811,216	57,031	0	199,185	3,555,000	3,811,216	0	0
1-8-00306	01	SOUTHWEST RIVERSIDE MDP LINE E-1 STG 1	5,799,393	70,270	1,097,114	243,550	4,388,459	5,234,092	565,301	0
1-8-00010	92	SANTA ANA RIVER REHABILITATION (PHASE 2)	6,000,000	0	0	6,000,000	0	6,000,000	0	0
1-8-09055	00	SPRING MOUNTAIN RANCH LINES 7 & 7A STORM DRAIN EXT	3,050,000	0	0	0	3,000,000	3,000,000	0	(50,000)
PARTNER LED CONTRIBUTION PROJECTS			\$200,000	\$0	\$140,000	\$0	\$0	\$140,000	\$0	(\$60,000)
PARTNER LED CAPITAL IMPROVEMENT PROJECTS			38,006,879	1,283,274	3,975,785	9,104,361	23,593,459	37,391,578	565,301	(50,000)
ZONE 1 PARTNER LED PROJECTS TOTALS			\$38,206,879	\$1,283,274	\$4,115,785	\$9,104,361	\$23,593,459	\$37,531,578	\$565,301	(\$110,000)

Zone 1
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
September 2022

Completed Projects

Woodcrest Dam Outlet Modification (1-8-00045-90) D1

This was a District-led project to upgrade the safety and operation of Woodcrest Dam. The improvements included replacing the existing gate assembly and control system, replacing the existing outlet structure with a new debris rack outlet structure to reduce clogging potential, and installing erosion control measures on the embankment slope. The construction of the project started in July 2021 and is primarily complete, except for installation of the sluice gate. With difficulties procuring the gate, the project is currently expected to be fully completed by October 2022.

Active District-Led Projects

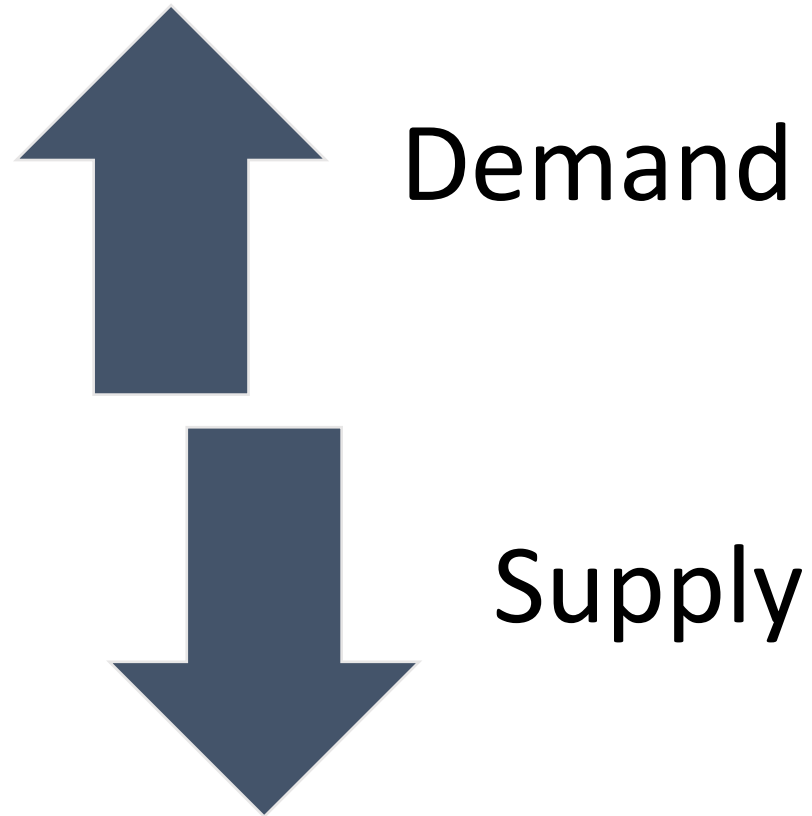
Santa Ana River – Levee Rehabilitation (District Reach) (1-8-00010-90) D1

This District-led project will rehabilitate the 'non-federal' reach of the Santa Ana River levee system to ensure the levee is adequately protected consistent with Federal Emergency Management Agency certification standards. The project is located within the County of San Bernardino, starting near S. Old Pellisier Road and extending southeasterly downstream approximately 6,165 feet to the Riverside-San Bernardino County line where the project will tie into the terminus of the Army Corps-led Santa Ana River – Levee Rehabilitation (Federal Reach). Levee rehabilitation will include replacing and grouting the existing levee rock slope protection as well as extending the rock slope protection deeper below the calculated scour depths. The District is currently finalizing the project charter and developing the Request for Proposal/Qualifications (RPF/Q) to select a consulting firm to perform the scour analysis and design and manage the project.

A blurred background image of a financial chart or stock market data. It features a line graph with various peaks and troughs, a pen resting on the right side, and some numerical values like '2,47' and '5' visible. The overall tone is blue and professional.

Recent Activity and Trends

Recent Trends



- Construction Costs
 - 25-30% increase
- Construction Delays
 - 3-8 month lead times

Construction Projects

Active and Pending



Woodcrest Dam Outlet Modification (1-8-00045-90)

- Approximate \$1,000,000
- Construction started in July 2021 and substantially complete as of September 2022.



Woodcrest Dam Outlet Modification (1-8-00045-90)

- Approximate \$1,000,000
- Construction started in July 2021 and substantially complete as of September 2022.



Woodcrest Dam Outlet Modification (1-8-00045-90)

- Approximate \$1,000,000
- Construction started in July 2021 and substantially complete as of September 2022.



Woodcrest Dam Outlet Modification (1-8-00045-90)

- Approximate \$1,000,000
- Construction started in July 2021 and substantially complete as of September 2022.



Paramount Estates Line C (1-8-00226-01)

- Approximate \$1,800,000
- Construction started in March 2022 and completed as of October 2022.



Paramount Estates Line C (1-8-00226-01)

- Approximate \$1,800,000
- Construction started in March 2022 and completed as of October 2022.

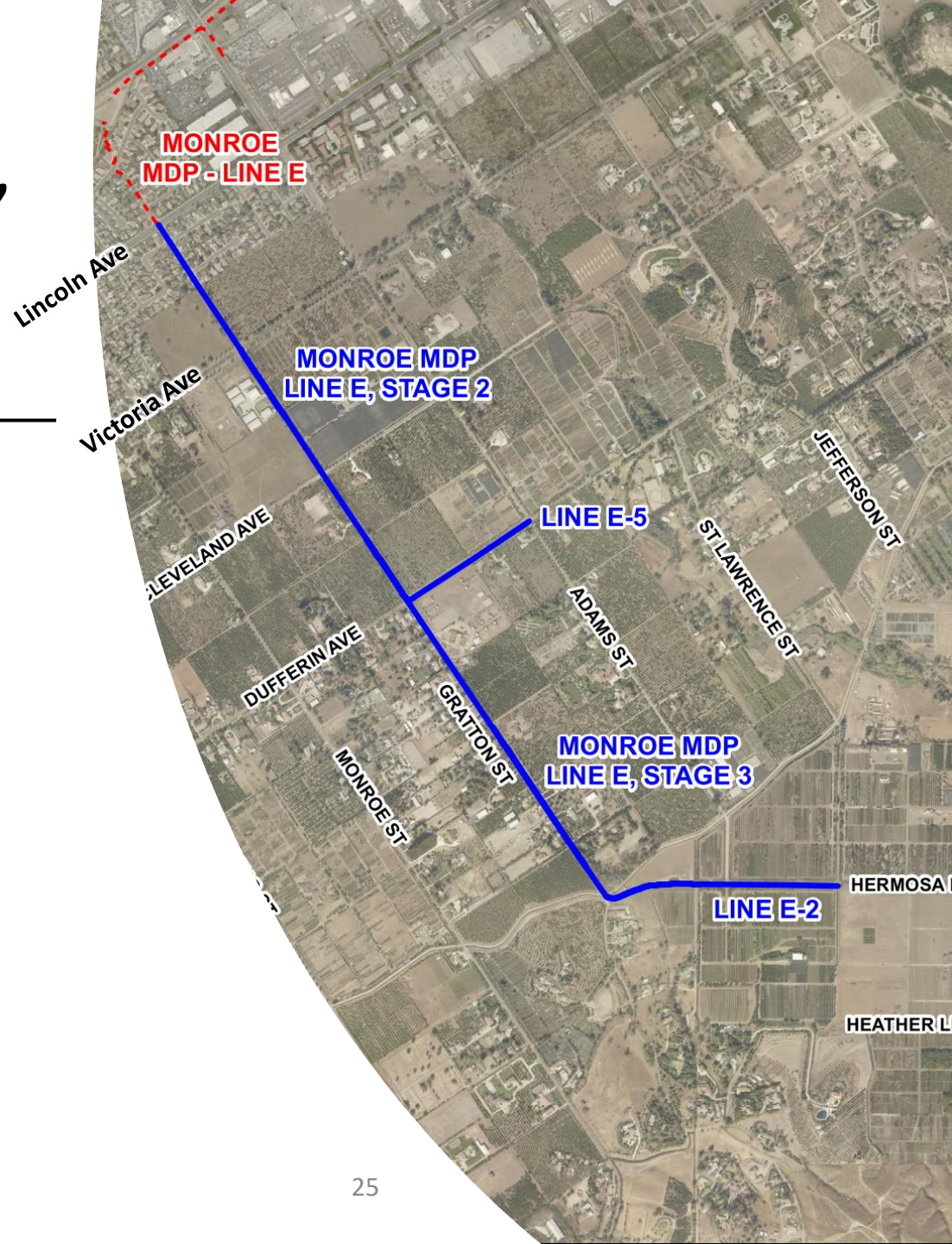


Paramount Estates Line C (1-8-00226-01)

- Approximate \$1,800,000
- Construction started in March 2022 and completed as of October 2022.

Monroe Line E, E-2 and E-5

- Original Contract \$12M
 - Expected Under Budget
- Led by City of Riverside
 - Construction completed Q3 2022

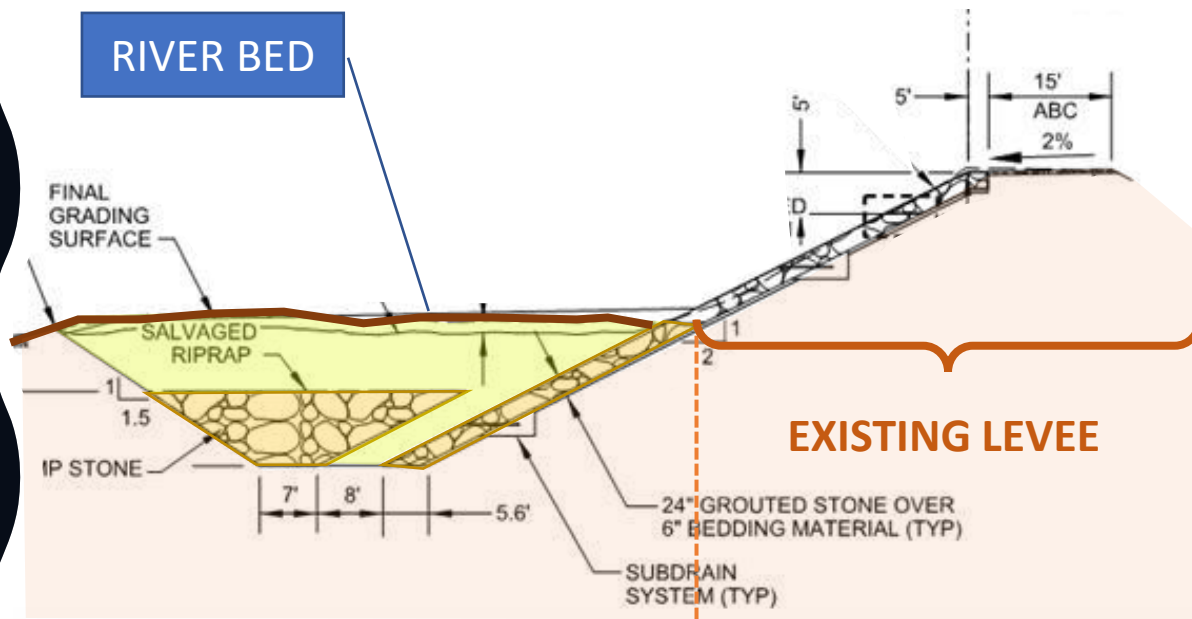


Design Projects

The background of the slide features a grayscale image of several rolled-up architectural blueprints. The blueprints are partially unrolled, revealing technical drawings of building plans. These drawings include various geometric shapes, lines, and numerical dimensions in millimeters and meters. For example, one drawing shows a large rectangular area with dimensions like 2500, 3175, and 1185. Another drawing shows a smaller section with dimensions like 740, 970, and 830. The blueprints are arranged in a way that creates a sense of depth and complexity, typical of architectural design work.

Santa Ana River Stabilization (1-8-00010-90)

- ACOE Levees
- District Levee
- Pursuing coordination with Corps






Sycamore Dam Outlet Modification

(1-8-00042-90)

- Outlet Structure Replacement
 - Gate Replacement
 - Debris Rack Replacement
- Access Road Improvements
- 30% design phase completed by Quarter 4 2022



**Existing
Commitments**



Partner Projects



Deborah de Chambeau
Chief of Planning

Partner Projects

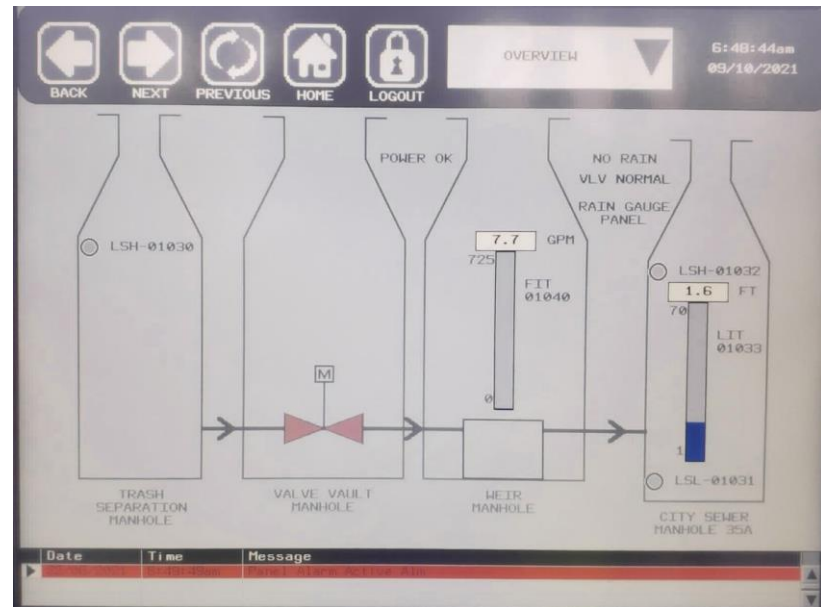
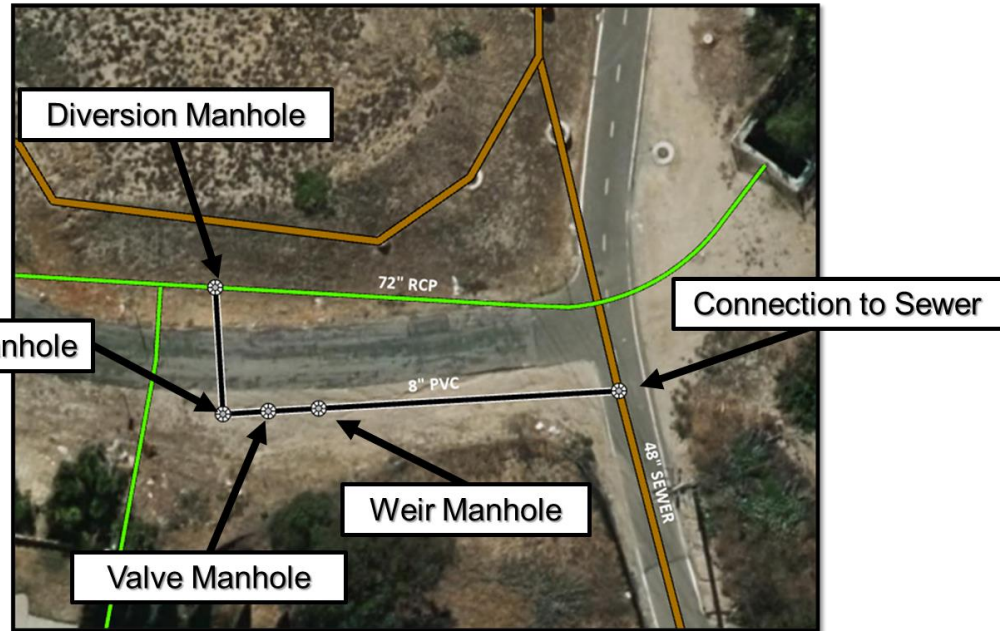
Riverside Northside
Specific Plan MDP

Monroe Storm Drain
Stage 5

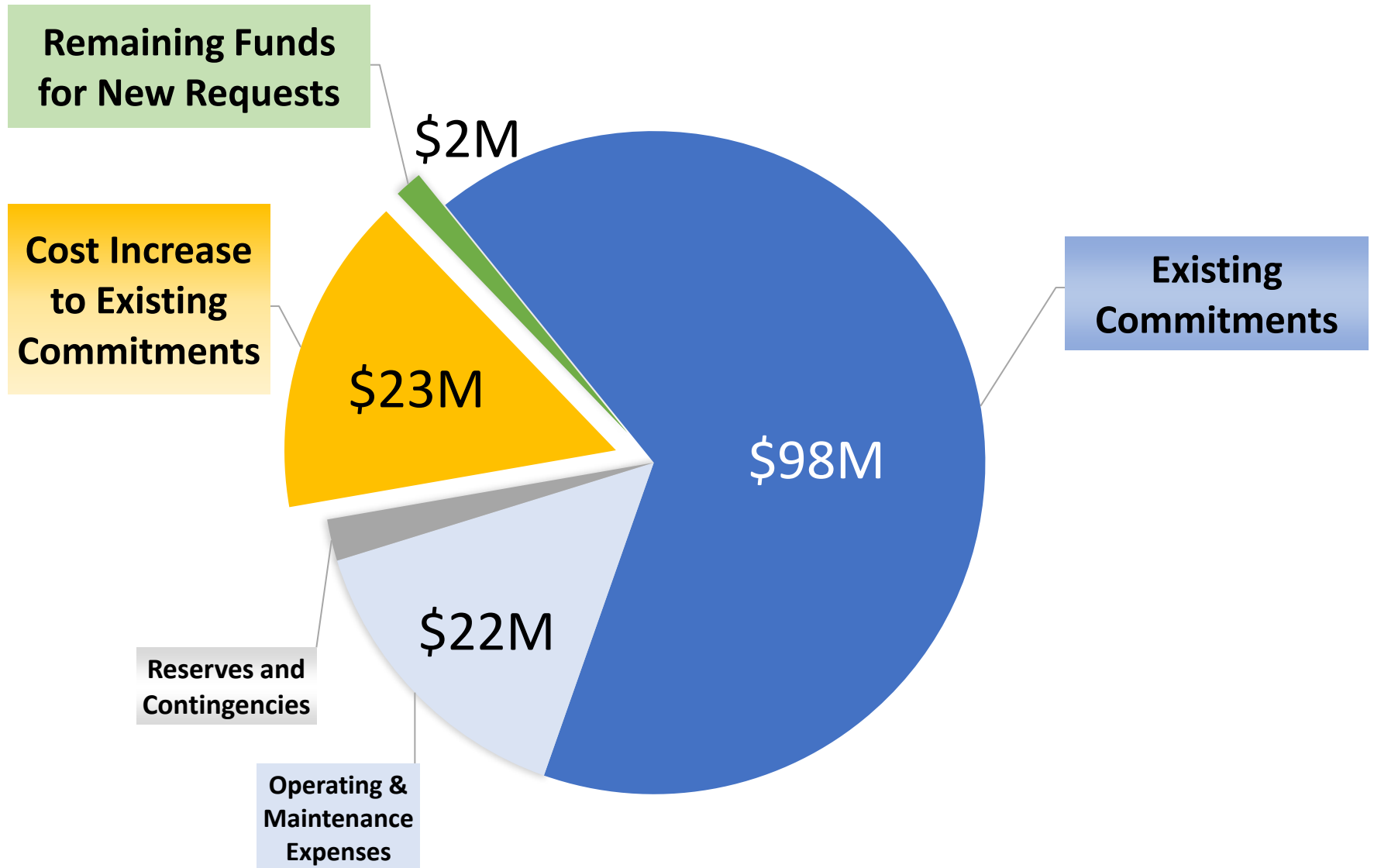
Box Springs Line D

Southwest Riverside
MDP Line E-1

Phoenix Ave SD Dry Weather Diversion



New CIP Development





New Project Requests

New Funding Requests Received to Date

Total \$13M+ in new requests

Riverside (\$350k)	Jurupa Valley(\$300K)	RCFC District (\$12M)	Public
<ul style="list-style-type: none">• Chicago Avenue and Central Avenue Drainage and Slope Improvement (+\$350k)• Six (6) Existing Projects	<ol style="list-style-type: none">1.Camino Real Culvert Structure (+\$150k)2.Limonite Avenue Roadway Widening Culvert Design (+\$50k)3.Drainage Study Pepe's Peak near Loveland Drive (+\$100k)4.Eight (8) Existing Projects	<ul style="list-style-type: none">• Watershed Compliance Division - Sunnyslope Channel Trash Retrofit (\$2M)• Jurupa-Pyrite MDP Line A-3 (\$5M)• Jurupa-Pyrite MDP Line B (\$5M)	<ul style="list-style-type: none">• Canyon Hills of Riverside HOA – Nancy Guterrez



New Project
Requests

Interested Parties

Tequesquite Arroyo Erosion Repair

Applicant: Canyon Hills of Riverside Homeowners Association

CIP Request

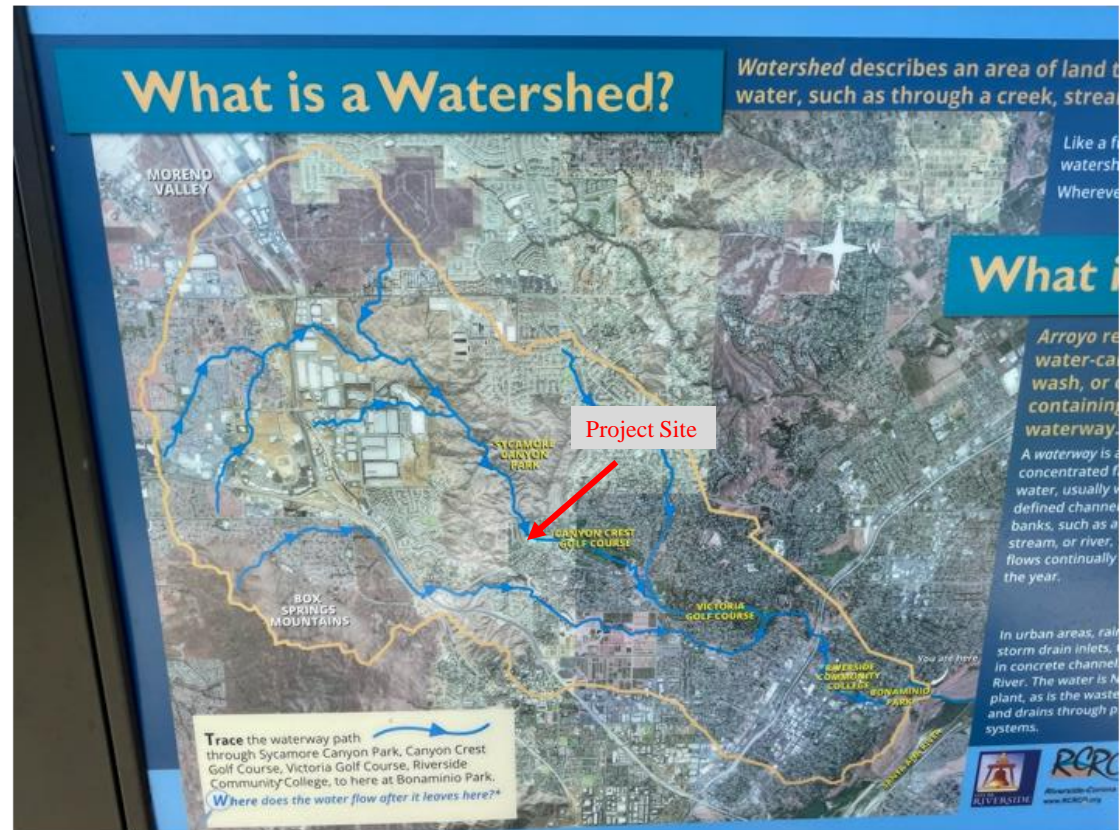
For the District to:

- Repair erosion damage on the Tequesquite Arroyo slope that was caused by stormwater drainage and Arroyo stream scouring.
- Design and install a permanent solution to prevent the stormwater erosion from reoccurring and undermining the slope upon which homes are built.
- Provide regular maintenance services to the stormwater system on the Tequesquite Arroyo.

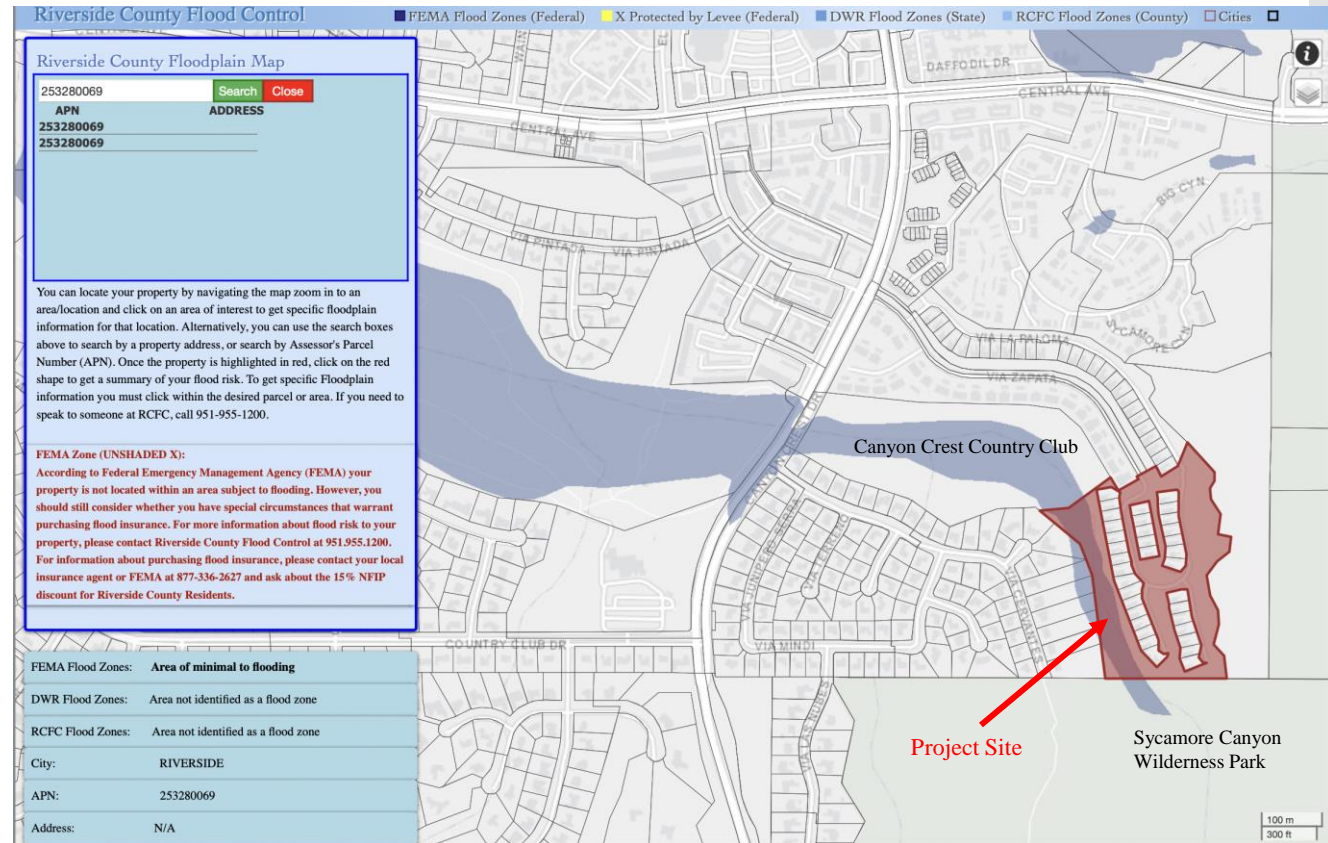
Setting

- Our PUD was approved by the City of Riverside in 1979.
- It consists of 62 single-family lots and one common lot.
- Each homeowner owns $\frac{1}{62}$ of the common lot and is responsible for its maintenance and repair.
- The common lot consists of:
 - Private streets
 - Pool
 - Landscaping
 - Storm drainage infrastructure including 1,000 linear feet of the Tequesquite Watershed that runs from south of Alessandro Boulevard to the Santa Ana River.

Project Location Within the Tequesquite Watershed



Project Location



Plans are checked and found to comply with City of Riverside requirements.
by John S. [Signature] 6/8/11
CG Engineering

CITY OF RIVERSIDE, CALIF.
DEPARTMENT OF PUBLIC WORKS

J.F. DAVIDSON ASSOCIATES
CIVIL ENGINEERS - SURVEYORS - PLANNERS

STORM DRAIN PLAN

TRACT 9565

PROJECT NO.

D-369

SHEET No. 3 OF 6

FILE NO. 5544

Background

- Typically, cities do not require HOAs to be responsible for flood control operations.
- In 1979, this section of the Tequesquite Arroyo was ephemeral with water flowing only during storm events.
- Urban runoff from subsequent development on the edges of Sycamore Canyon Wilderness Park and periodic water release from the MWD facility on Alessandro Boulevard has turned this section of the watershed into a highly vegetated area.
 - Impedes the flow of stormwater.
 - Attracts nesting birds and animals complicating efforts to obtain environmental permits.

Problem

- After a storm event in 2014, erosion materialized on the Arroyo slope.
- It appears that water draining from Storm Drain Line 'B' merged with water flowing from Sycamore Canyon Wilderness Park creating an eddy that eroded a 300+ square foot area of the slope.
- When the HOA began repair and clean up efforts, it was informed that the Tequesquite Arroyo contains a blue-line stream and that any activity would require permits from a variety of federal, state, regional, and local environmental agencies.

Photo 1 of
Eroded Area



Photo 2 of
Eroded Area



Photo 3 of
Eroded Area



HOA Actions

- Since 2014, the HOA has hired engineers, consultants, lawyers, and environmentalists to help us obtain the necessary permits to repair the slope erosion. We have spent thousands of dollars and numerous hours without success.
- In the interim, the slope erosion is accelerating, the costs to repair are increasing, and access is becoming more difficult as the vegetation grows.
- In November 2022, we obtained a grading permit and CEQA NOE from the City of Riverside for the temporary recontouring of the eroded area. However, we cannot initiate construction until we get the environmental permits.

Permits Needed

- Environmental Permits
 - Army Corps of Engineers (404)
 - US Department of Fish & Wildlife (delineation)
 - California Department of Fish & Wildlife (1600)
 - Santa Ana Regional Water Quality Control Board (401)
 - Regional Conservation Authority (MSHCP and DBESP)
 - City of Riverside (CEQA)
 - Prerequisites such as a hydrology study, a biological study, and a burrowing owl survey.
- Grading and Construction Permits

City of Riverside Involvement

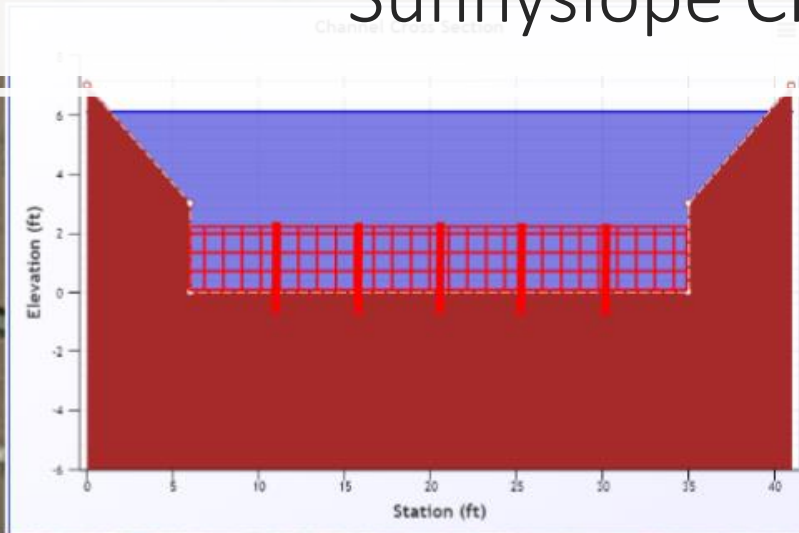
- The City told previous HOA Boards that it is not responsible for stormwater management and is not able/willing to provide technical or financial assistance.
- The current HOA Board is meeting with our City Councilperson, Clarissa Cervantes, on December 8th to reopen discussions on how the City can support our efforts.

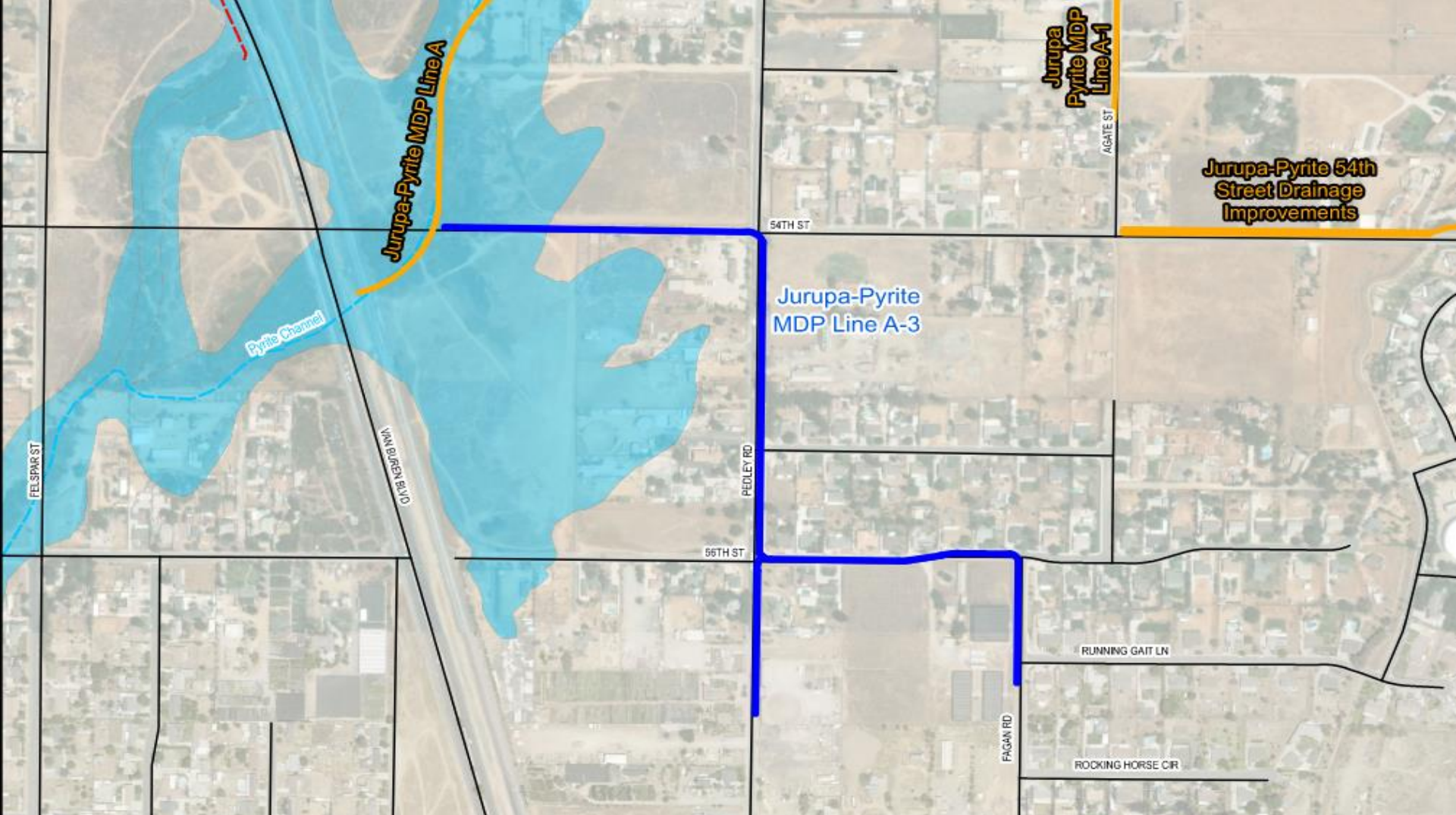
Conclusion

- Our small HOA does not have the technical knowledge or the financial resources to repair the slope erosion and install a permanent stormwater protection system.
- We need municipal assistance to safeguard our residents. We cannot do this on our own.
- The HOA is willing to provide the District whatever legal instrument is warranted to grant access to our property.

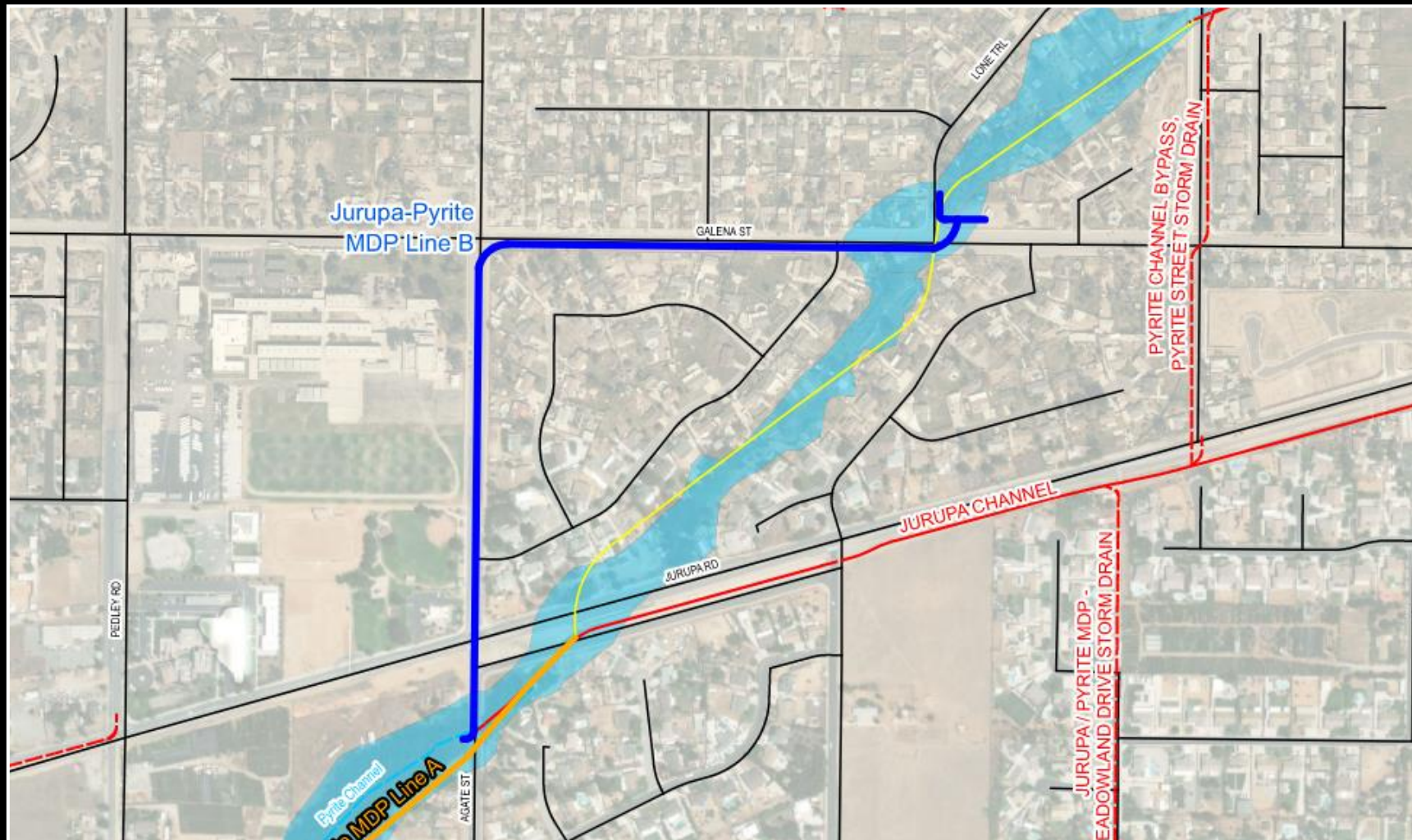


Sunnyslope Channel Trash Retrofit





Jurupa-Pyrite Line A-3



Jurupa-Pyrite Line B

