

1995 MARKET STREET RIVERSIDE, CA 92501 951.955.1200 FAX 951.788.9965 www.rcflood.org

AGENDA

Commissioners of Zone 2 of the Riverside County Flood Control and Water Conservation District will hold a Public Budget Hearing at 2:00 p.m. on Thursday, December 9, 2021 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 2022-2023.

Call to Order	
Introductory Comments	Jason Uhley
Zone 2 Financial Overview	Jeanine Rey
Chief Engineer's Report for Zone 2	
Receive Zone 2 Project Requests	
Closing Comments	Jason Uhley

The Budget Work Session is set for 2:00 p.m. on Thursday, February 17, 2022 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 2022-2023.

ZONE 2

SERENA BURNETT, 1st District **TED HOFFMAN**, 2nd District **BAXTER MILLER**, 2nd 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.

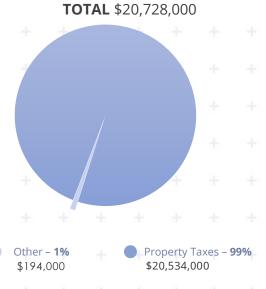


Fund Balance for FY 2020-2021

JUNE 30, 2021 \$83,008,974

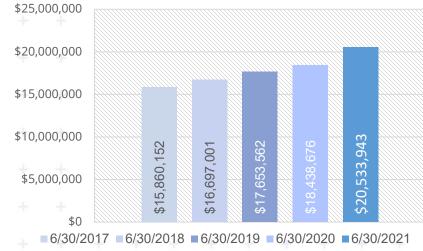
Sources

(Where the money comes from)



+ Property Taxes

(5 years revenue trend)



Expenditures

(Where the money is spent)

TOTAL \$20,469,000





Other – **10 %** \$2,174,000

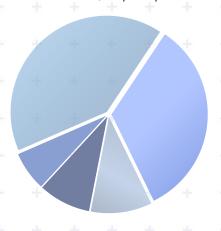


Services & Supplies - 15%\$3,026,000

Uses

(How the money is used)

TOTAL \$20,469,000

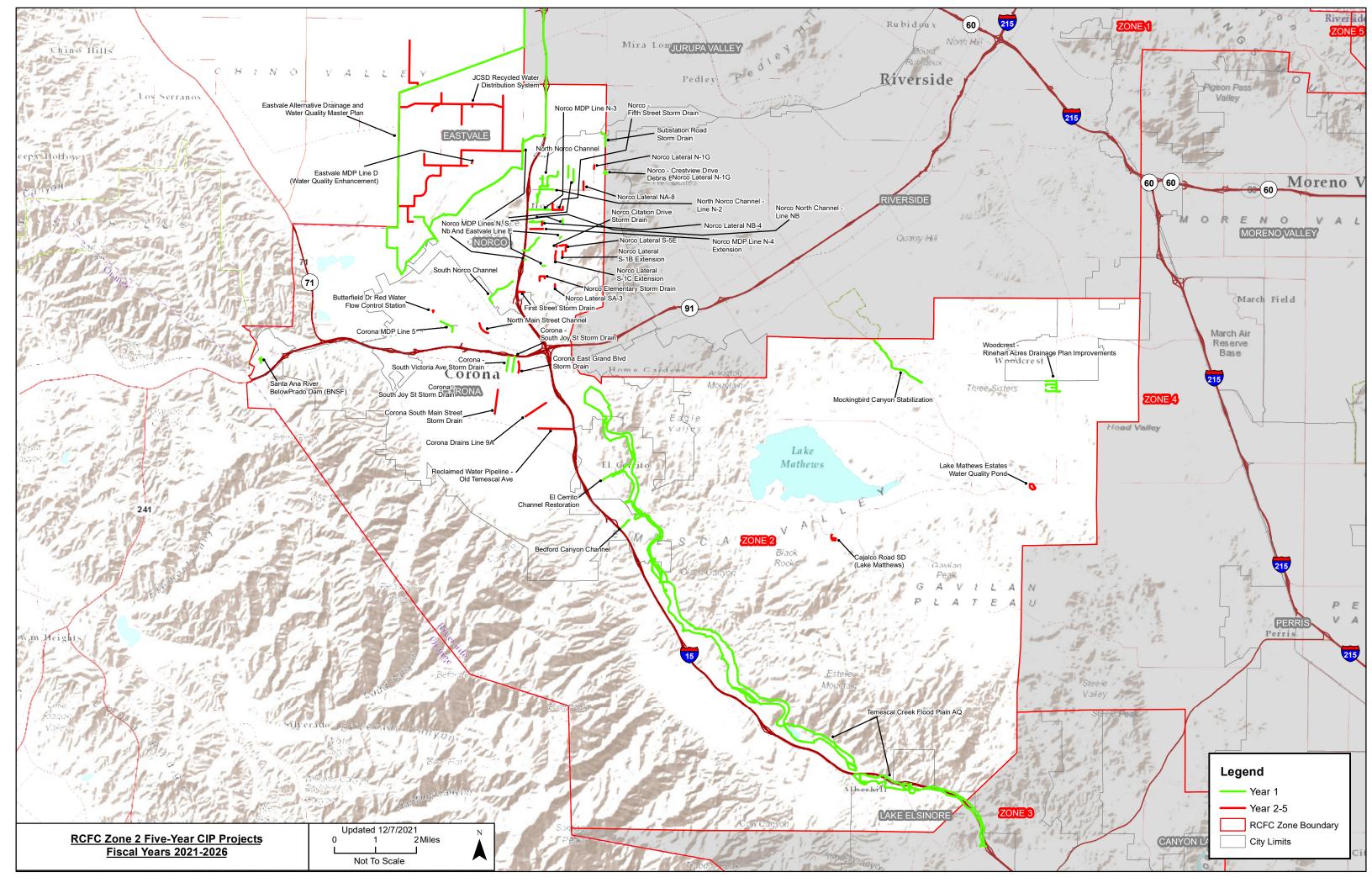


Maintenance - **7%** \$1,356,000



Partner Led Projects- **10%** Administration- **33%** \$2,107,000 \$6,840,000

General Zone Work – **9%** \$1,800,000



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DISTRICT LED PROJECT SUMMARY - ZONE 2 FISCAL YEARS 2021-22 THROUGH 2025-26

	Stg No.	Project Title	Project Cost Appropriations			Fundir	Total		
Project Number			Total Remaining Cost	FY 2021-22	FY 2022-26	Tax Revenue	ADP Contribution	External Contribution	Not District Funded
DESIGN ANI	D CON	NSTRUCTION							
2-8-00085	01	NORCO - CRESTVIEW DRIVE DEBRIS BASIN	\$142,857	\$142,857	\$0	\$142,857	\$0	\$0	\$0
2-8-00110	90	EL CERRITO CHANNEL RESTORATION	1,871,597	1,871,597	0	1,871,597	0	0	0
2-8-00140	11	NORTH NORCO CHANNEL	10,961,839	6,812,615	4,149,224	10,961,839	0	0	0
2-8-00144	01	NORTH NORCO CHANNEL LINE N-2	3,086,289	326,923	2,759,366	3,086,289	0	0	0
2-8-00145	03	NORTH NORCO CHANNEL - LINE NB	2,274,465	773,347	1,501,118	2,224,465	0	50,000	0
2-8-00180	03	MOCKINGBIRD CYN STABILIZATION	25,412,218	3,039,368	22,372,850	24,276,661	1,135,557	0	0
2-8-00253	01	BEDFORD CANYON CHANNEL	8,741,221	488,729	8,252,492	7,991,221	0	750,000	0
2-8-00406	01	WOODCREST RINEHART ACRES DRAINAGE PLAN IMP	4,300,993	621,993	3,473,652	4,095,645	0	0	(205,348)
PLANNING PROJECTS									
2-6-10000	00	FLOOD CONTROL BASIN RETROFIT STUDY	400,000	200,000	200,000	400,000	0	0	0
2-8-00052	01	TEMESCAL CREEK FLOOD PLAIN AQ	12,450,000	1,873,352	10,576,648	12,450,000	0	0	0
2-8-09058	00	LAKE MATHEWS ESTATES WATER QUALITY POND	4,841,223	0	4,840,945	4,840,945	0	0	(278)
2-8-09065	00	CAJALCO ROAD SD (LAKE MATTHEWS)	1,992,123	0	1,992,123	1,992,123	0	0	0
	DESIGN AND CONSTRUCTION		\$56,791,479	\$14,077,429	\$42,508,702	\$54,650,574	\$1,135,557	\$800,000	(\$205,348)
PLANNING PROJECTS			19,683,346	2,073,352	17,609,716	19,683,068	0	0	(278)
		ZONE 2 DISTRICT LED PROJECTS TOTAL	\$76,474,825	\$16,150,781	\$60,118,418	\$74,333,642	\$1,135,557	\$800,000	(\$205,626)

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2021:

	Zone 2 Fund	\$73,387,452	District Led Projects Appropriations	\$76,269,199
	ADP Sub Fund	1,158,628	Partner Led Projects Appropriations	75,170,877
	Total Fund Balance Forward	\$74,546,080	Misc Watershed Protection Projects	2,000,000
			Capital Project Cost Inflation @ 2.0%	1,525,384
REVENUE:			Operating & Maintenance Expenses	21,227,722
	Taxes	\$97,237,765	Contingencies	2,013,734
	Interest	6,195,881	ADP Refund - Lake Mathews ADP to MWD	10,000
	ADP Fees	1,000	Subtotal Appropriations	\$178,216,916
	Rental	1,500		
	Subtotal Revenue	103,436,146	ENDING FUND BALANCE - JUNE 30, 2026:	
	External Contribution	800,000	Zone 2 Fund	\$551,239
	Total Five Year Revenue	\$104,236,146	ADP Sub Fund	14,071
	TOTAL FUNDS AVAILABLE	\$178,782,226	Total Ending Fund Balance	\$565,310

FIVE YEAR APPROPRIATIONS:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PARTNER LED PROJECT SUMMARY - ZONE 2 FISCAL YEARS 2021-22 THROUGH 2025-26

			Project Appropriation					Funding Sources		Total
Project Stg Project Title Number No.		Project Cost	FY 2021-22		FY 2022-26		5-year total		Not	
		Total Remaining	District Direct	Contribution to	District Direct	Contribution to		ADP	District	
			Cost	Cost	Partner Agency	Cost	Partner Agency	Tax Revenue	Contribution	Funded
	1	ONTRIBUTION PROJECTS								
2-6-10005	50	RECLAIMED WATER PIPELINE - WRCRWA BLUFF ST	\$4,200,000	\$0	\$505,000	\$0	\$2,797,781	\$3,302,781	\$0	(\$897,219)
2-6-10023	00	NORCO MDP LINES N, S, NB AND EASTVALE	1,100,486	32,053	1,068,433	0	0	1,100,486	0	0
2-6-10031	00	CORONA - SOUTH JOY ST STORM DRAIN	1,469,000	0	120,000	39,000	1,310,000	1,469,000	0	0
2-6-10037	00	NORCO MDP LATERAL N-5	1,067,105	0	208,419	25,010	833,676	1,067,105	0	0
2-6-10038	00	SUBSTATION ROAD STORM DRAIN	1,200,000	0	300,000	0	900,000	1,200,000	0	0
2-6-10039	00	PARTNER PROJECT SUPPORT	500,000	0	250,000	0	250,000	500,000	0	0
2-6-10040	00	EASTVALE ALTERNATIVE DRAINAGE & WATER QUALITY	300,000	0	300,000	0	0	300,000	0	0
2-6-10003	50	RECLAIMED WATER PIPELINE - OLD TEMESCAL AVE	500,000	0	0	0	250,000	250,000	0	(250,000)
2-6-10018	50	JCSD RECYCLED WATER DISTRIBUTION SYSTEM	31,700,000	0	0	0	15,850,000	15,850,000	0	(15,850,000)
2-6-10027	00	NORCO MDP LINE N-4 EXTENSION	873,400	0	0	23,400	850,000	873,400	0	0
2-6-10029	50	BUTTERFIELD DR RECL WATER FLOW CONTR STATION	1,236,000	0	0	36,000	1,200,000	1,236,000	0	0
2-6-10032	00	CORONA - EAST GRAND BLVD STORM DRAIN	1,931,000	0	0	51,000	1,880,000	1,931,000	0	0
2-6-10033	00	CORONA SOUTH MAIN STREET STORM DRAIN	3,915,000	0	0	105,000	3,810,000	3,915,000	0	0
2-6-10034	00	NORCO LATERAL N-1G	308,100	0	0	8,100	300,000	308,100	0	0
2-6-10035	00	NORCO LATERAL NA-8	514,100	0	0	14,100	500,000	514,100	0	0
2-6-10036	00	NORCO LATERAL SA-3	308,250	0	0	8,250	300,000	308,250	0	0
2-6-10041	00	NORCO LATERAL NB-4	308,250	0	0	8,250	300,000	308,250	0	0
PARTNER	LED CA	APITAL IMPROVEMENT PROJECTS								
2-8-00086	01	NORCO MDP LINE N-3, STAGE 1	1,438,902	21,199	1,417,703	0	0	1,438,902	0	0
2-8-00105	00	SANTA ANA RIVER - BELOW PRADO	51,034,674	69,184	10,300,000	253,148	0	10,622,332	0	(40,412,342)
2-8-00150	02	SOUTH NORCO CHANNEL STAGE 2	10,564,088	48,667	319,584	1,122,200	9,073,637	10,564,088	0	0
2-8-00208	01	CORONA-SOUTH VICTORIA AVE STORM DRAIN	1,469,000	0	120,000	39,000	1,310,000	1,469,000	0	0
2-8-00280	01	CORONA MDP LINE 5 STAGE 1	3,754,831	50,556	130,000	194,275	3,380,000	3,754,831	0	0
2-8-00060	02	NORTH MAIN STREET CHANNEL	3,797,386	0	0	256,295	3,541,091	3,797,386	0	0
2-8-00087	01	NORCO - FIFTH STREET STORM DRAIN	1,395,510	0	0	36,236	1,358,860	1,395,096	0	(414)
2-8-00235	01	CORONA DRAINS LINE 9A	3,812,000	0	0	102,000	3,710,000	3,812,000	0	0
2-8-00304	60	EASTVALE MDP LINE D (WTR QUALITY ENHNCMNT)	927,855	0	0	202,969	724,886	927,855	0	0
2-8-00310	60	EASTVALE MDP LINE E (WTR QUALITY ENHNCMNT)	505,915	0	0	110,669	395,246	505,915	0	0
2-8-09086	00	NORCO LATERAL S-1B EXTENSION	320,000	0	0	0	320,000	320,000	0	0
2-8-09087	00	FIRST STREET STORM DRAIN	400,000	0	0	0	400,000	400,000	0	0
2-8-09088	00	NORCO ELEMENTARY STORM DRAIN	560,000	0	0	0	560,000	560,000	0	0
2-8-09089	00	NORCO CITATION DRIVE STORM DRAIN	150,000	0	0	0	150,000	150,000	0	0
2-8-09090	00	NORCO LATERAL S-1C EXTENSION	500,000	0	0	0	500,000	500,000	0	0
2-8-09091	00	NORCO LATERAL S-5E	520,000	0	0	0	520,000	520,000	0	0
		PARTNER LED CONRIBUTION PROJECTS	\$51,430,691	\$32,053	\$2,751,852	\$318,110	\$31,331,457	\$34,433,472	\$0	(\$16,997,219)
		PARTNER LED CAPITAL IMPROVEMENT PROJECTS	81,150,161	189,606	12,287,287	2,316,792	25,943,720	40,737,405	0	(40,412,756)
			01,100,101	107,000	12,207,207	2,510,792	20,7 13,720	.0,757,105	U	(10,112,750)

\$221,659 \$15,039,139 \$2,634,902 \$57,275,177

\$75,170,877

\$0 (\$57,409,975)

ZONE 2 PARTNER LED PROJECTS TOTAL \$132,580,852

By Jason E. Uhley, General Manager-Chief Engineer November 2021

Active District-Led Projects

Norco - Crestview Drive Debris Basin (2-8-00085-01)

This District-led project requested by the City of Norco will reduce mud/debris issues along Crestview Drive by constructing a debris basin (1.8-acre site) at the foot of the La Sierra Hills. The debris basin will collect mud/debris at three locations along the La Sierra Hills. After settling larger sediment and debris in the basin, 10-year flows will drain from the basin southwesterly into the recently constructed underground storm drain in Crestview Drive (Norco MDP Line NA-1, Stage 2). The construction of the project started in January 2021 and was completed in June 2021. Prior to completing the project, a horse trail path was added via the District access road for the City to operate and maintain.

El Cerrito Channel Restoration (2-8-00110-90)

This is a District-led project to replace approximately 2,300 lineal feet of existing concrete trapezoidal channel with reinforced concrete box and concrete rectangular channel ranging from 11' to 15' wide and 6' to 7' deep. The primary objective is to provide 100-year flow capacity within the proposed facility to remove the existing Federal Emergency Management Agency floodplain. Within the last year, the Riverside County Transportation Department (RCTD) requested the District extend the project limits an additional 200 lineal feet to accommodate RCTD's future Minnesota Road realignment project. In addition to extending the project limits, the facility was changed from rectangular channel to an underground reinforced concrete box between Quebec Avenue and Temescal Canyon Road. An updated draft of the 90% plans that reflects the RCTD requested change is anticipated to be completed by the end of 2021 with construction estimated to start June 2022.

North Norco Channel (2-8-00140-11)

The District-led project will replace an existing earthen channel with a higher capacity concrete-lined channel to convey the 100-year flow and significantly reduce the floodplain along the channel. The mainline will include approximately 5,900 lineal feet of trapezoidal and rectangular channel of various dimensions and will replace culverts under three street crossings (Corona Avenue, Valley View Avenue, and Sixth Street). Stage 11 will convey flows from the existing North Norco Channel Line N-1 storm drain to the existing confluence with North Norco Channel Line NA. The project will also construct two infiltration basins to reduce runoff pollutants from adjacent land. A draft of the 90% plans is in progress, and the project plans will be completed before the end of December 2021.

North Norco Channel Line N-2 (2-8-00144-01)

This is a District-led proposed storm drain project in Sixth Street. It will construct approximately 1,800 lineal feet of underground storm drain that includes 42" pipe and a 7' to 9' high by 4' wide box. Line N-2 will capture storm flows beginning at Corona Avenue and convey them westerly along Sixth Street to North Norco Channel, Stage 11 (see Project No. 2-8-00140 above). The primary objective of this project is to provide 100-year flood protection to businesses along Sixth Street. The preliminary plan and profile for these facilities are being prepared, and a 60% plan set is expected by May 2022.

November 2021

North Norco Channel Line NB (2-8-00145-03)

This is a District-led project to replace approximately 1,800 lineal feet of existing earthen channel with an open concrete trapezoidal and rectangular channel with base width and height ranging from 6'-11' and 5'-7', respectively. The primary objective is to provide 100-year flood protection to the community near the channel between Valley View Avenue and Sierra Avenue by collecting 100-year flows from the existing improved portion of Line NB upstream of Valley View Avenue and conveying them westerly in an upgraded channel until they are discharged into the existing North Norco Channel just east of Interstate 15. The project includes installation of a permeable paver lined invert at the downstream end of the project to promote infiltration of low flows. The District is currently developing the 90% design plans and expects to advertise the project in March 2022.

South Norco Channel, Norco MDP Line S-1, Norco MDP Line S-5 (2-8-00150-06)

This is a District-led project that will improve the existing earthen channel to ultimate capacity, reduce flooding, and remove properties from the floodplain between Second Street and Fourth Street east of Corona Circle. Also included are underground storm drains along Third Street and Hillside Lane. The project is fully District funded, except for a cost share with Western Municipal Water District for the relocation of a large waterline. Construction of the project has been successfully completed, and the Notice of Completion was accepted by the District's Board of Supervisors on July 20, 2021.

Mockingbird Canyon Stabilization (2-8-00180-03)

This District-led project contains roughly two miles of improvements along Mockingbird Canyon Wash. The primary objective for this project is to construct improvements that will stabilize Mockingbird Canyon Wash and reduce sediment transport and erosion that can both risk damage to public infrastructure and adjacent residences. The project begins at the Pennington Place bridge crossing and traverses parallel to Mockingbird Canyon Road to Van Buren Boulevard where the project ends. The roughly two miles of drainage improvements are anticipated to consist of rock-armoring, bank protection, and grade control structures. The project also includes an all-weather crossing at Greenview Drive, and will replace the existing Pennington Place bridge multi-use opportunities such as a trail system are being explored.

The design consulting firm finished the existing bridge structural evaluation/recommendation and preliminary design memorandum. The preliminary design was completed and is currently being used to discuss with the stakeholders of the project. Additionally, the geotechnical investigations commenced in October 2021.

Bedford Canyon Channel (2-8-00253-01)

This District-led project proposes to improve approximately 1,510 lineal feet of improvements in Bedford Canyon Wash, located east of Interstate 15, west of Temescal Canyon Road, and south of Cajalco Road in Corona, California. The primary objective for this project is to safely convey the 100-year storm flows in a stabilized system that reduces erosion and sediment generated in the wash. Additionally, the project will aim to accommodate space for the Butterfield Overland Trail Project. The District selected a consultant for the project and expects to have the 30% design phase completed in the first quarter of 2022.

November 2021

Woodcrest - Rinehart Acres Drainage Plan Improvements (2-8-00406-01)

This is a District-led project to reduce street and community flooding in the rural Woodcrest Rinehart Acres subdivision. The project consists of 6,450 lineal feet of street improvements and 6,925 lineal feet of a reinforced concrete pipe storm drain system ranging in diameter from 18"-66" to convey flows from streets of Mariposa Avenue, Granite Avenue, Boulder Avenue, and Dallas Avenue to outlet into the natural watercourse to the southeast intersection of Wood Road and Dallas Avenue. The street improvements identified for this project are necessary to collect and deliver runoff to the proposed storm drains. The District hired a consultant for this project in May 2021, and the consultant is currently working on the 60% plans, with final design plans expected in August 2022.

November 2021

Active Partner-Led Projects

Reclaimed Water Pipeline - WRCRWA Bluff Street (2-6-10005-50)

This is a City of Corona-led project to improve the City's reclaimed water network. This project includes the construction of 5,100 lineal feet of reclaimed water pipeline system to be constructed between the Western Riverside County Regional Wastewater Authority (WRCRWA) Wastewater Treatment Plant and an existing 20-inch reclaimed water pipeline located in River Road at Bluff Street. The project will, as part of the larger system, help reduce use of imported water, conserve the local groundwater supply, and stabilize the Temescal Groundwater Basin. The funding agreement has been executed, and the District will contribute \$2.9 million toward construction costs. The City plans to advertise this project in February 2022.

Jurupa Community Services District (JCSD) Recycled Water Distribution (2-6-10018-50)

This is a JCSD-led project for a regional solution to enhance reclaimed water use and distribution with approximately 31,600 lineal feet of 24" pipe throughout Eastvale. The reclaimed water will be used in Eastvale and other service areas. JCSD will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. The District will fund 50% of the project in the amount of \$15.85 million, which will secure JCSD meeting the local match requirements to leverage a multimillion-dollar grant. JCSD is currently working with the State Water Regional Control Board on an agreement for State Revolving Fund loan funding for the project. JCSD expects to complete the design of the facility by September 2022. A funding agreement is currently being developed to formalize the details of the District's contribution toward this project.

Norco Minor Drainage Improvements - Catch Basin Retrofit Pilot Project (2-6-10022-00)

This is a City of Norco-led pilot project that will retrofit trash capture devices within select catch basins. The City is working on the plans, specifications, contract, selection of a manufacturer and anticipates bidding this project by November 2021 for construction.

Norco MDP Lines N, S, NB and Eastvale E-3 (2-6-10023-00)

City of Norco-led and District funded projects to design and construct several underground storm drains within the Norco Master Drainage Plan. The flood control facilities will improve drainage within the City. The remaining proposed drainage facilities include:

- Norco MDP Lateral S-5A A storm drain system from Kingman Drive southwesterly for approximately 250 lineal feet to Hillside Lane. The low bid was approved in May 2021, and construction is expected to be complete by June 2022.
- Norco MDP Line S-6 A storm drain system from Temescal Avenue north of Second Street (approximately at Norco High School) westerly approximately 600 lineal feet to the existing South Norco Channel. The low bid was approved in May 2021, and construction is expected to be complete by June 2022.

November 2021

Norco MDP Line N-4 Extension (2-6-10027-00)

This is a City of Norco-led project to reduce street and community flooding along 4th Street and Valley View Avenue. The proposed underground storm drain consists of about 2,900 lineal feet of 24"-36" diameter pipe collecting water along Valley View Avenue and 4th Street to convey it west down 4th Street and discharge it to the existing North Norco Channel. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. The District is working on the cooperative agreement with the City.

Temescal Wash Improvements at Temescal Canyon Road (2-6-10030-00)

This is a City of Lake Elsinore-led project to replace the Temescal Canyon Road bridge with a proposed 375 lineal feet bridge with 15 feet of clearance. As part of the bridge replacement project, approximately two acres worth of portions of Temescal Wash would be acquired from private landowners, and the wash would be improved to ensure that the adjacent infrastructure is protected. This project also advances the District's goal of securing floodplain within Temescal Wash. The District will contribute partial funding of \$2.7 million toward the total project cost of \$18.4 million.

Design plans are currently 90% complete, and the City plans to advertise the project for construction in Fiscal Year 2022-2023.

Corona South Joy Street Storm Drain (2-6-10031-00)

This is a City of Corona-led project to reduce flooding along Joy Street. The project consists of an underground storm drain pipe ranging in diameter from 24" to 36" proposed to collect runoff at 7th Street and convey it to the existing culvert under the 91 Freeway. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. The District is coordinating with new City engineer on details to move the project forward.

Corona - East Grand Boulevard Storm Drain (2-6-10032-00)

This City of Corona-led project is fully funded by the District and proposes an underground storm drain in East Grand Boulevard between East 7th Street and the 91 Freeway that will connect to the recently constructed Corona Drains Line 52 at the downstream end. The City will lead all aspects of the project and will assume responsibility for operation and maintenance when construction is complete. The District is coordinating with new City engineer on details to move the project forward.

Norco Lateral N-1G (2-6-10034-00)

This is a City of Norco-led project to reduce street flooding on California Avenue. The proposed underground storm drain would consist of about 600 lineal feet of 24" maximum diameter pipe collecting flows and conveying them south in California Avenue and connecting to existing Line N-1. The City of Norco will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. The District is working with the City on the cooperative agreement for the project.

Norco Lateral NA-8 (2-6-10035-00)

This is a City of Norco-led project to reduce street flooding on Pedley Avenue. The proposed underground storm drain consists of approximately 1,100 lineal feet of 36" maximum diameter pipe that will convey flows within Pedley Avenue south to the existing Norco MDP Line NA within 6th Street. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. The District is working with the City on the cooperative agreement for the project.

November 2021

Norco MDP Line N-3 (2-8-00086-01)

The City of Norco-led project will construct a master-planned storm drain to provide flood protection to residences along 5th Street. The project consists of an underground storm drain along 5th Street, approximately 2,100 feet, ranging in pipe diameter from 36" to 66". The project will collect runoff at Aryana Avenue and convey it to the existing North Norco Channel on the east side of Interstate 15. The District is willing to accept for operation and maintenance portions of the project that meet District requirements and standards. The District is currently working on the cooperative funding agreement with the City. The City has selected a consultant for the design of the project and is currently working on 60% design plans.

Norco - Fifth Street Storm Drain (2-8-00087-01)

This is a City of Norco-led project to install approximately 2,700 lineal feet of 42" to 48" reinforced concrete pipe in Corona Avenue, 5th Street, and Temescal Avenue to alleviate flooding on the private properties between Temescal Avenue and Corona Avenue. The District is willing to accept for operation and maintenance portions of the project that meet District requirements and standards. The City issued the Request for Proposals and is currently in the preliminary stages for design of the project. The District is working with the City on the cooperative agreement for the project.

Santa Ana Canyon - Below Prado [Corps Project] (2-8-00105-00)

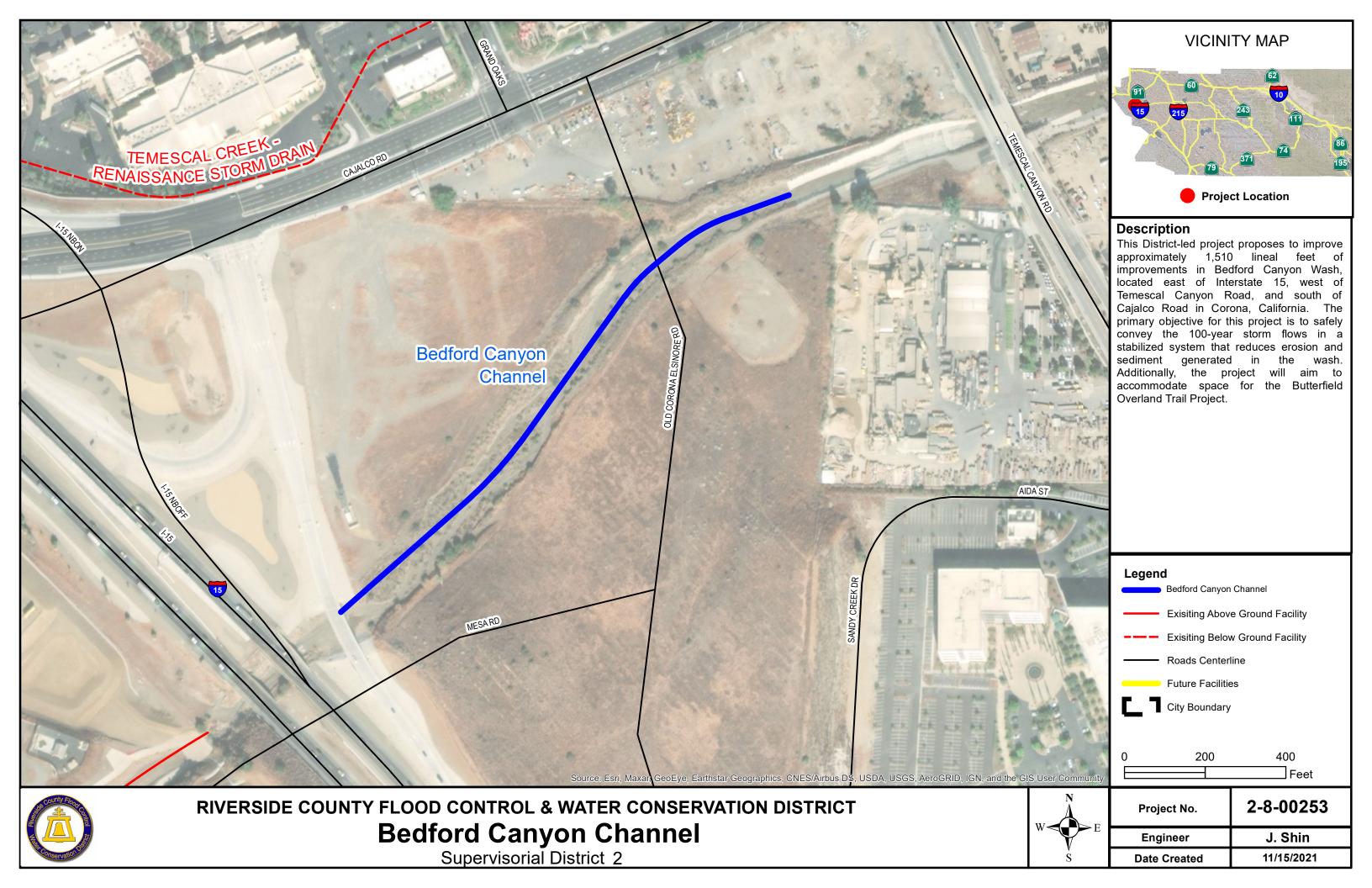
The District is in support of the U.S. Army Corps of Engineers (Corps) Santa Ana River Mainstem project for streambank improvements necessary due to the planned capacity improvements to Prado Dam. Construction of Reach 9, Phases 2A and 2B of the Below Prado Project are completed but have not been turned over to the District for operation and maintenance. The District is currently reviewing the as-built plans and will soon be reviewing the Operation & Maintenance Manual needed for the maintenance of the BNSF project.

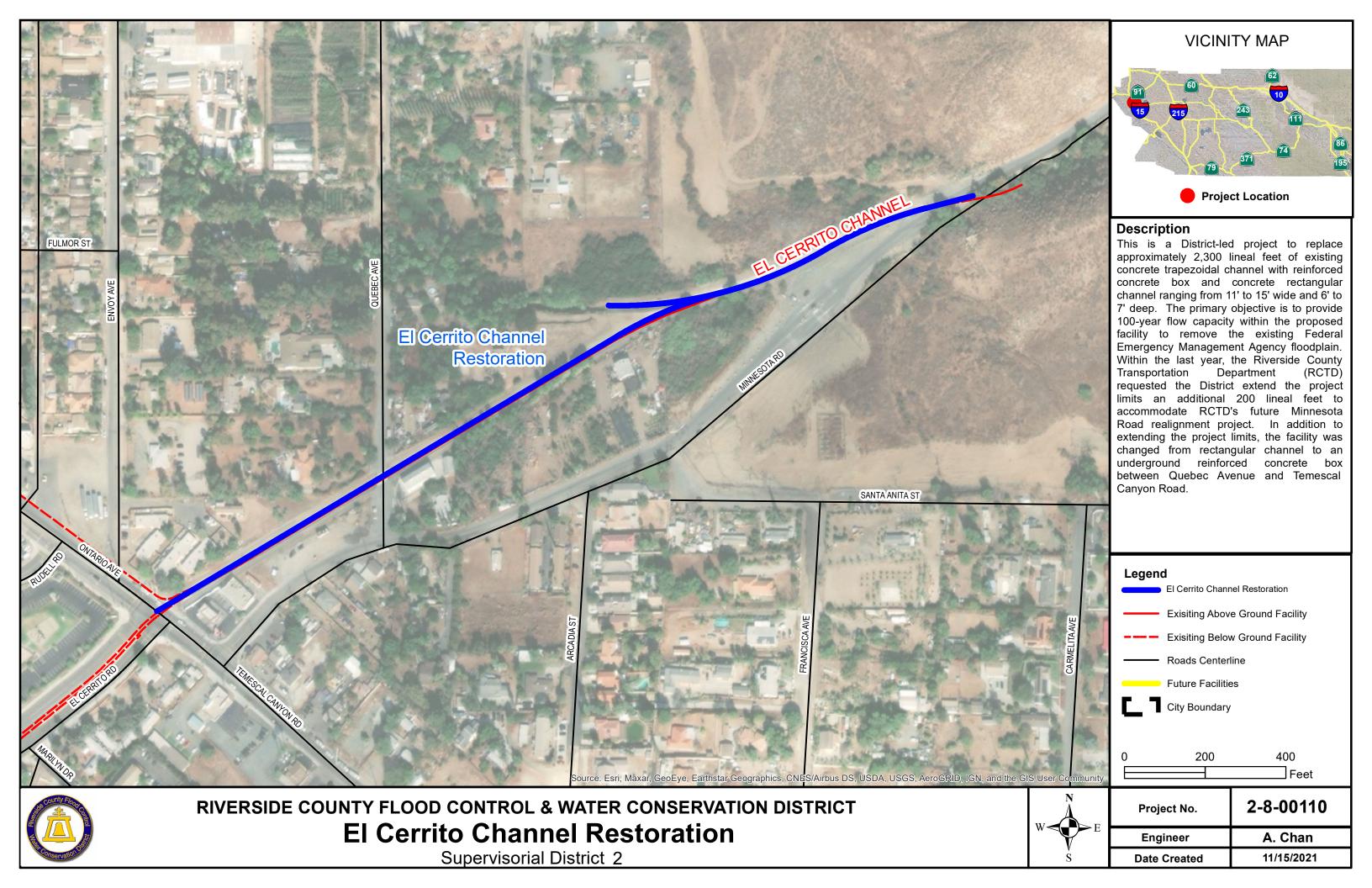
The project is cost shared via Local Cooperative Agreement between the Corps, Riverside County, Orange County, and San Bernardino County. Additional funding is expected from Riverside County Transportation Commission (reimbursement for portions of Phase 2B utility relocations) per a 2011 agreement. This project is partially funded by the District with a \$10.3 million contribution. District costs are related to right of way acquisition and utility relocation for the BNSF Bridge Protection Project.

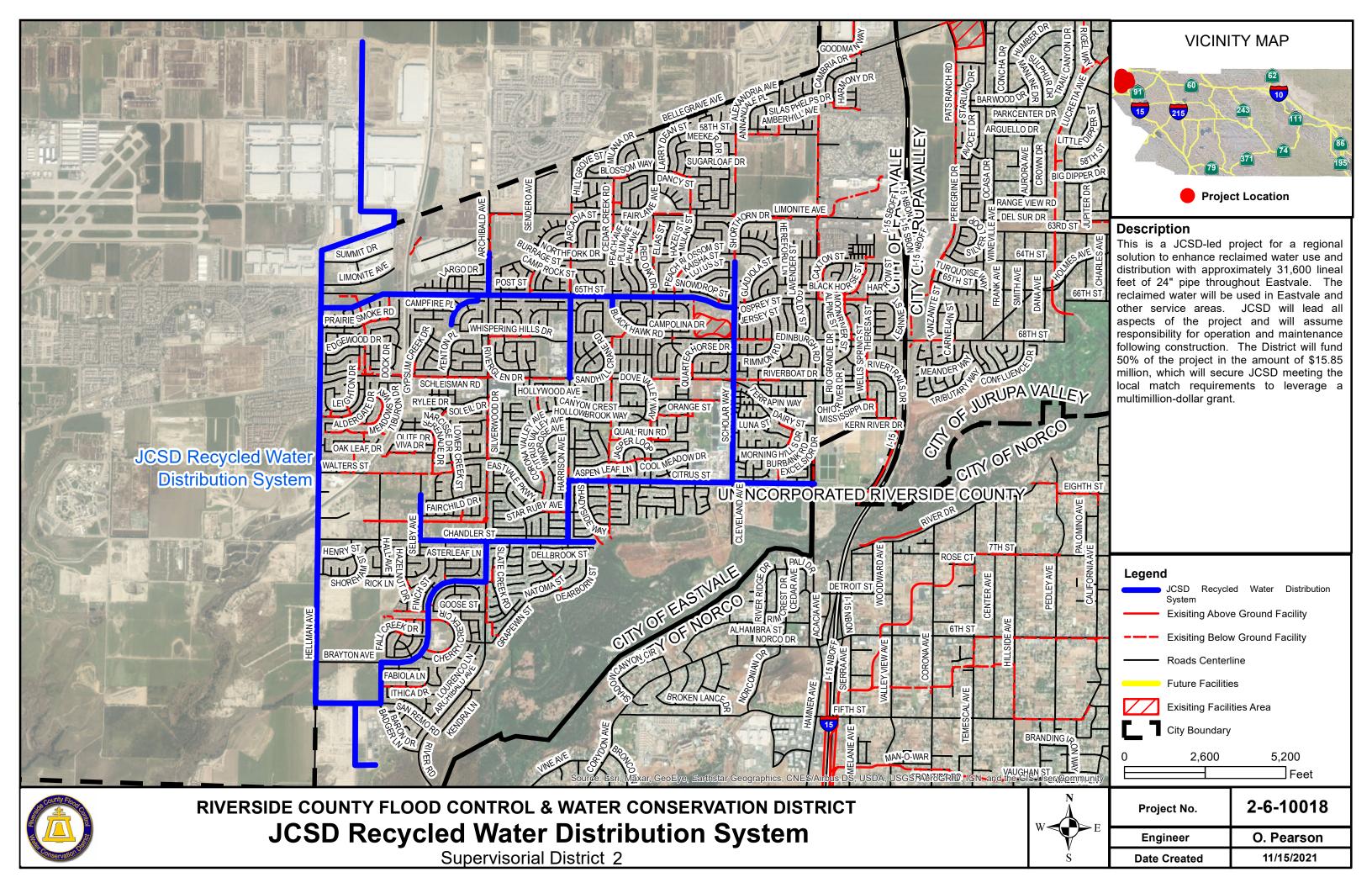
South Norco Channel (2-8-00150-02)

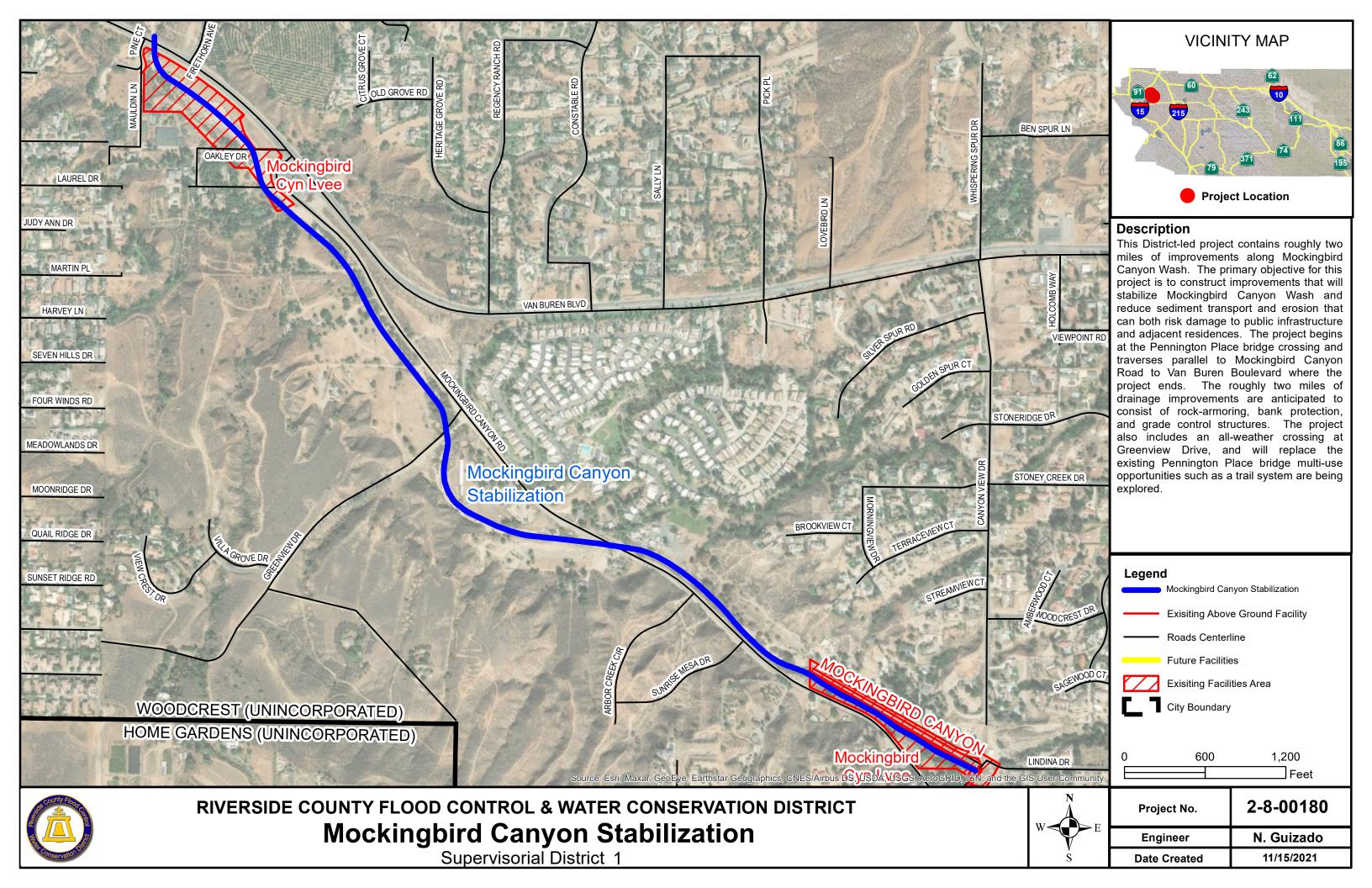
This City of Norco-led project will replace 5,800 feet of existing undersized channel between Hamner Avenue and River Road. The improvements will convey the 100-year flow rate and remove residences and businesses adjacent to the channel out of the Federal Emergency Management Agency floodplain. The District is willing to accept for operation and maintenance all portions of the project that meet District requirements and standards. The City will lead all aspects of the project with District funding.

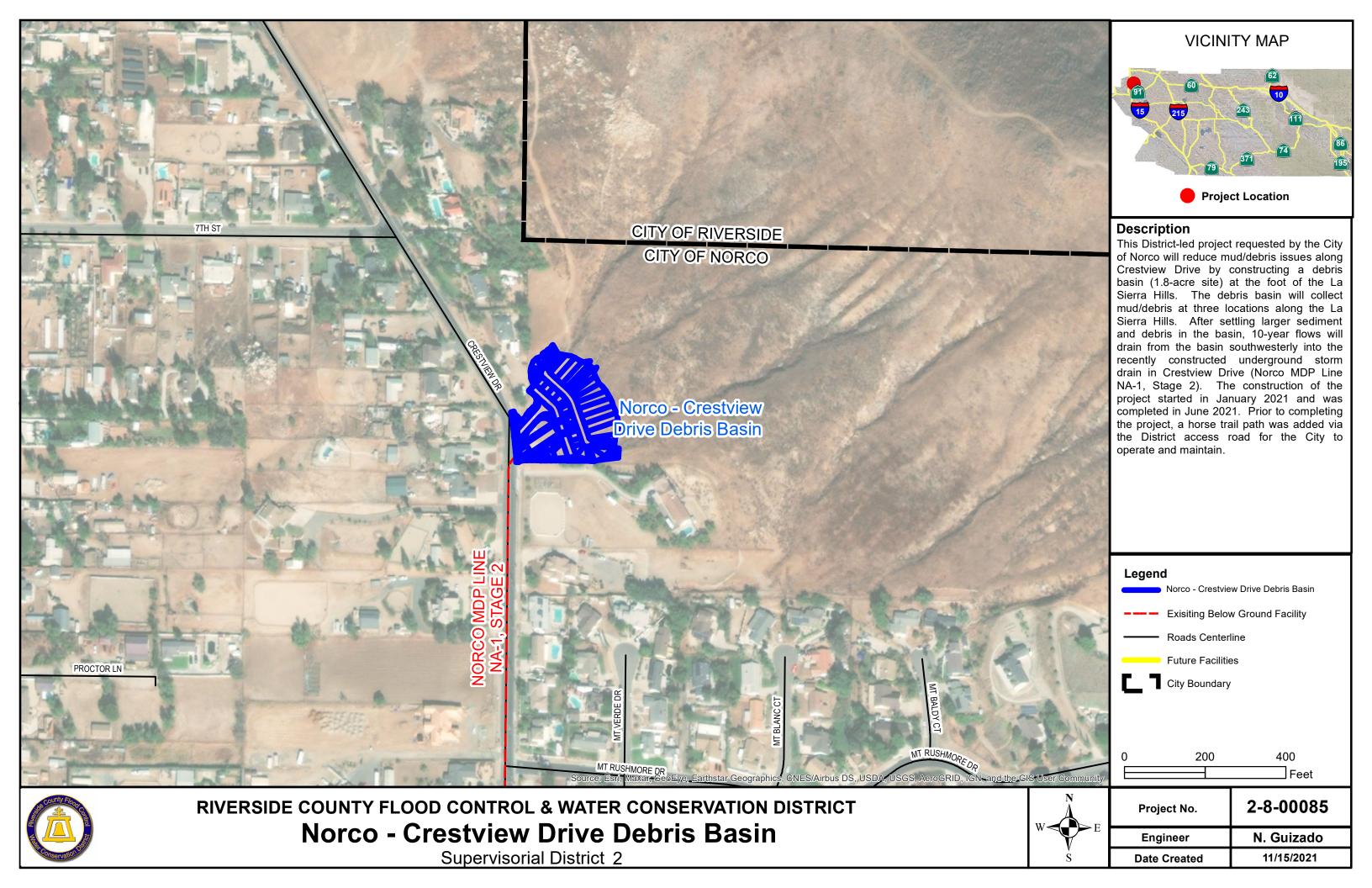
The cooperative funding agreement was executed in November 2020. The City is currently working on 60% design plans, which will be submitted to the District for review in January 2022.

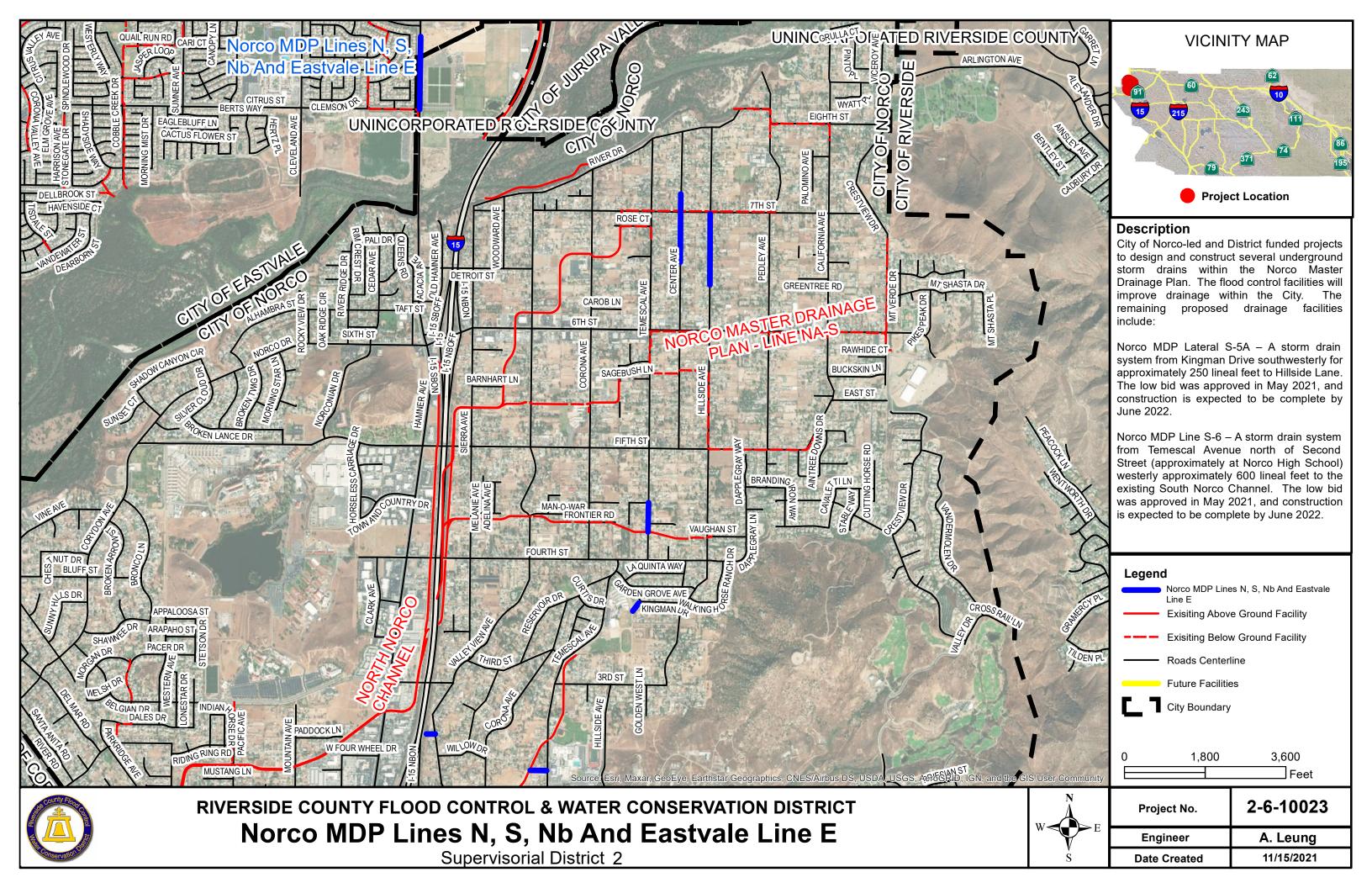


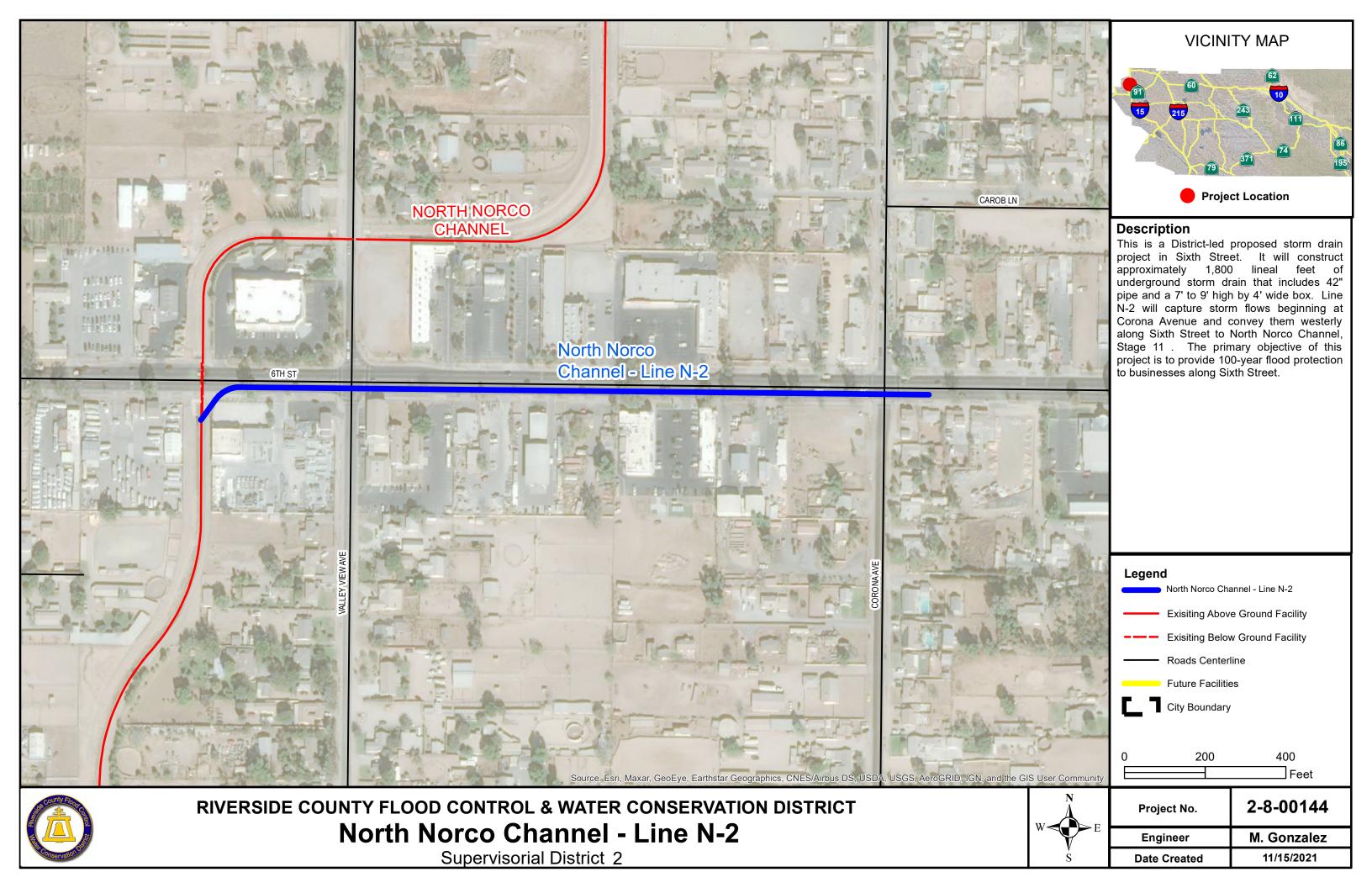


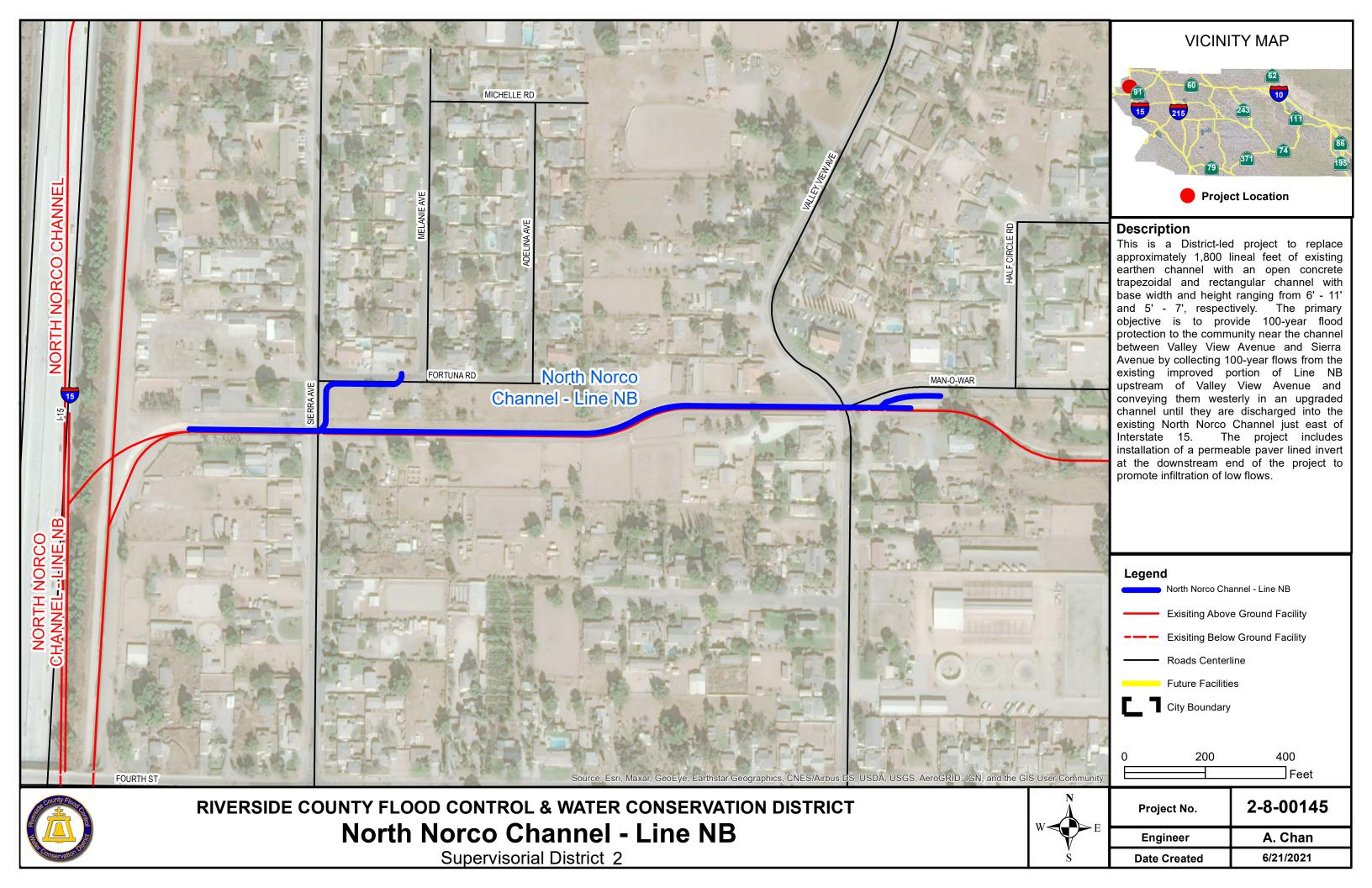


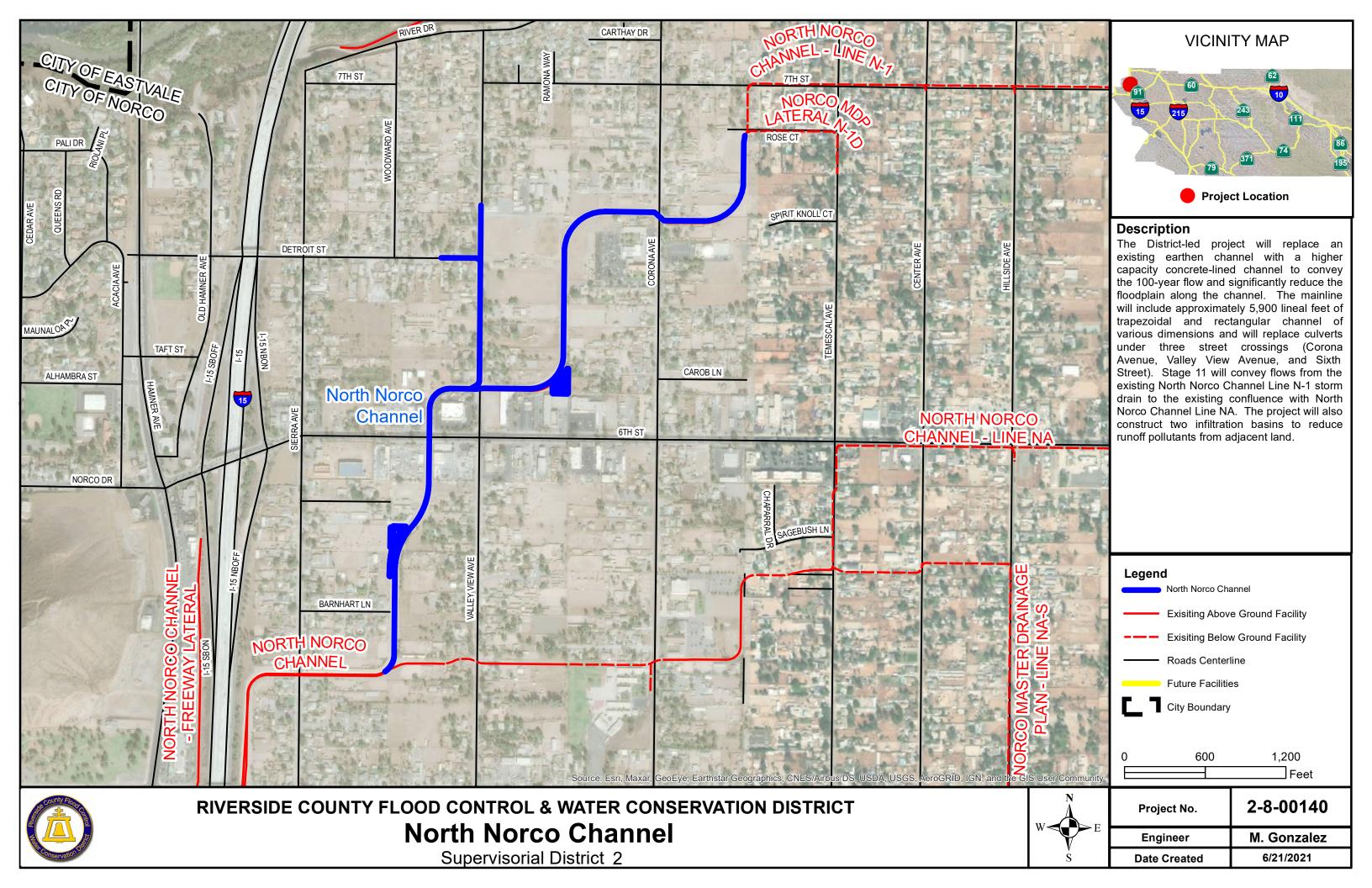


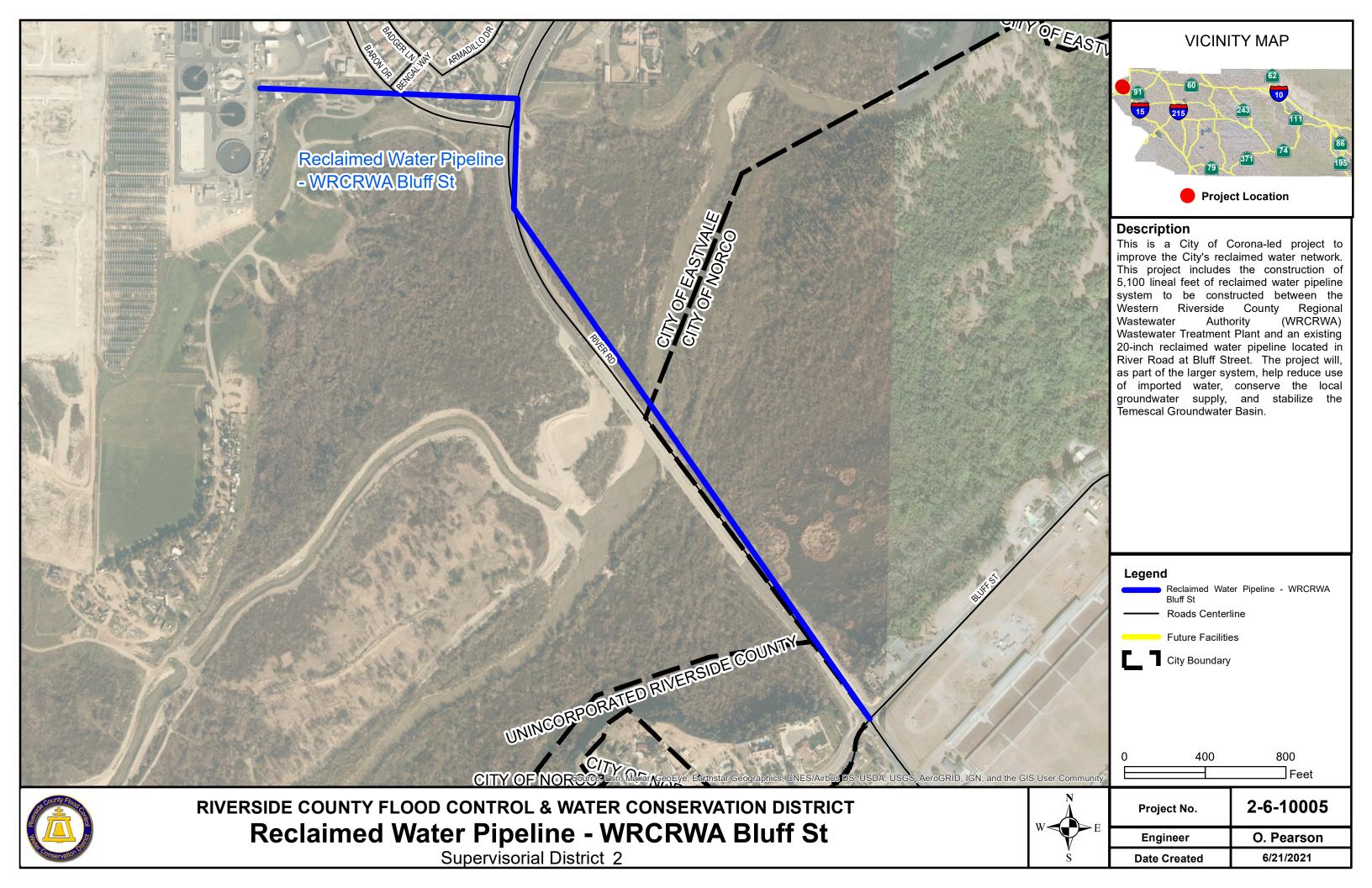


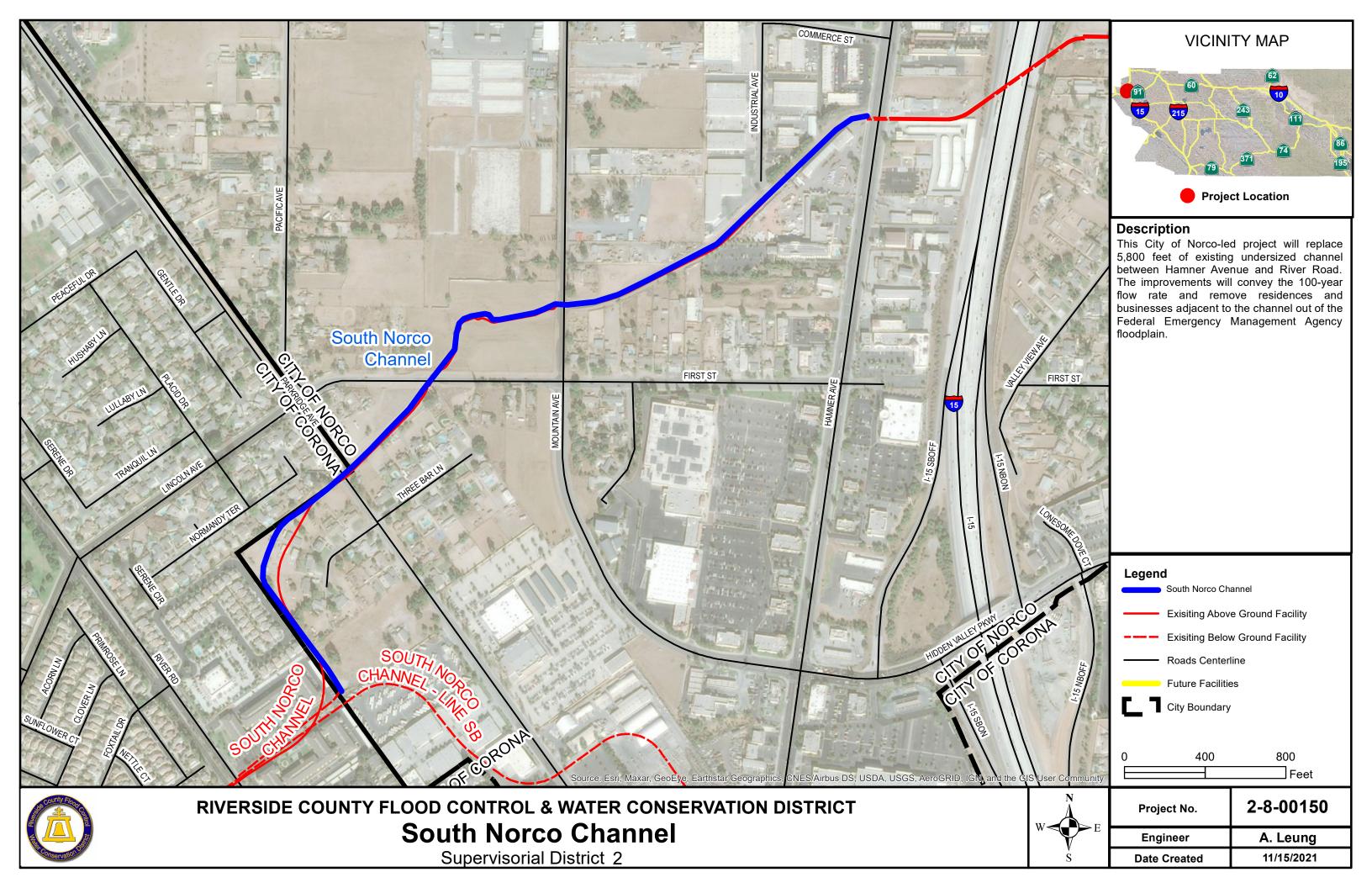


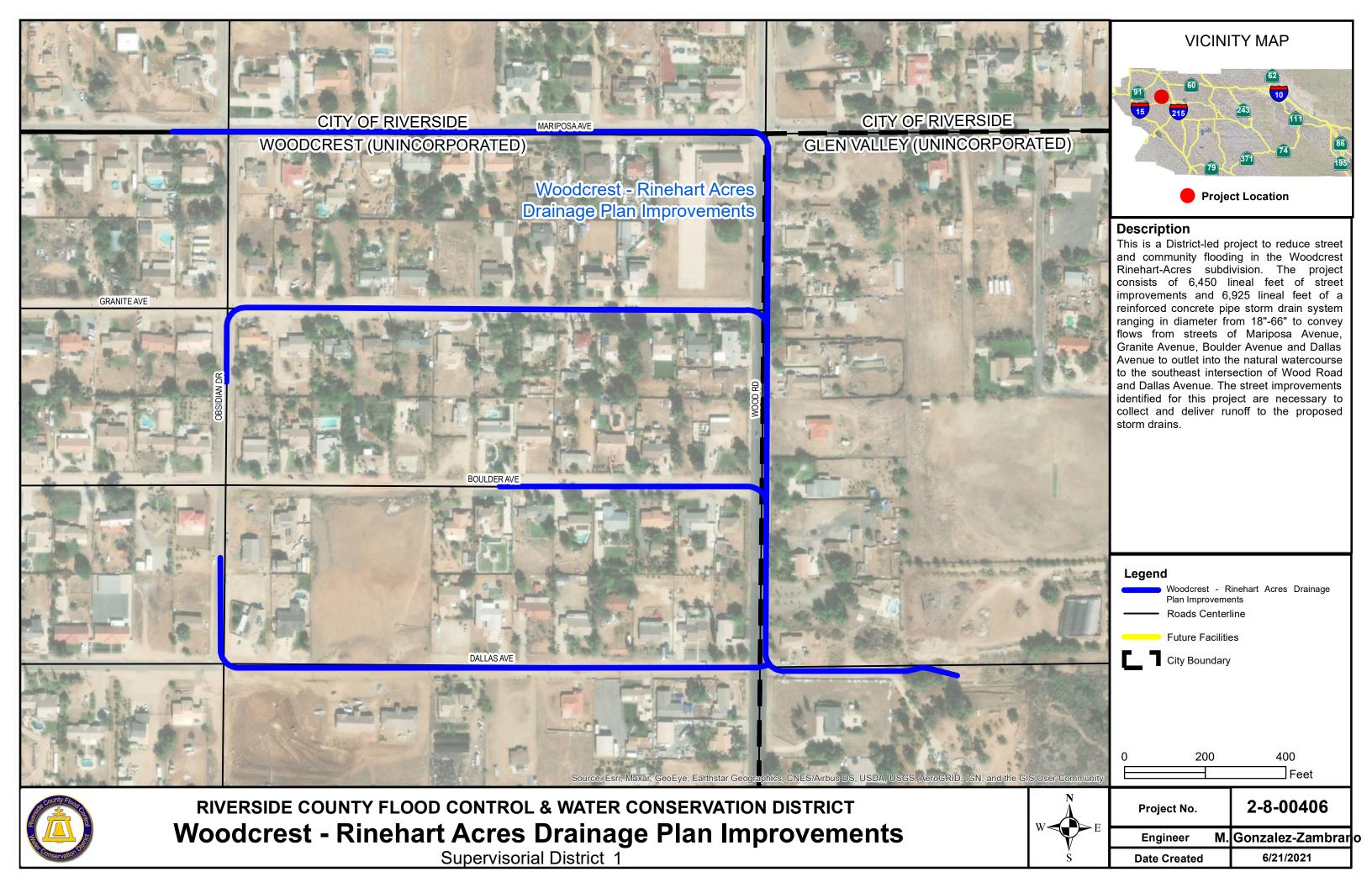


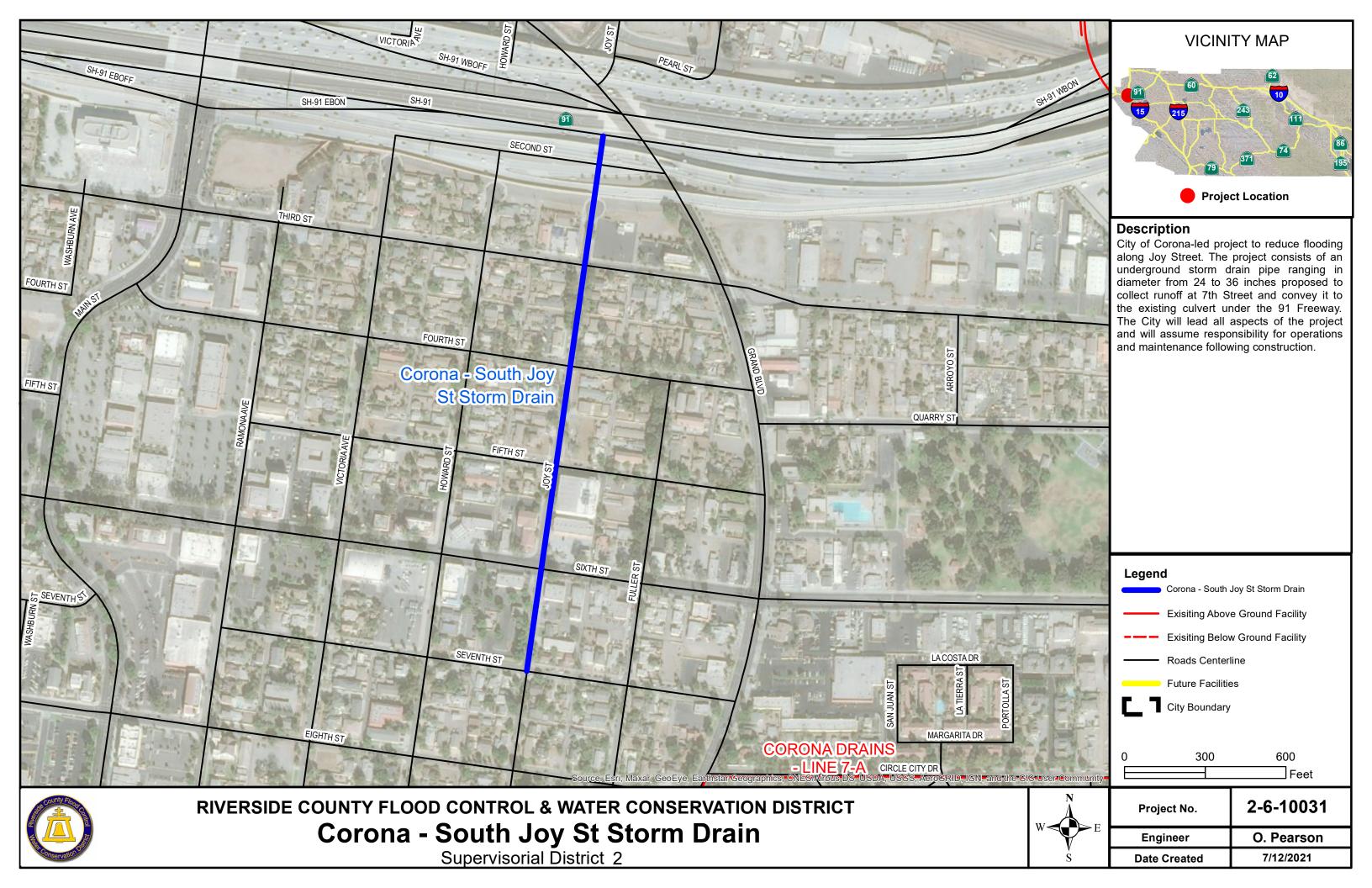


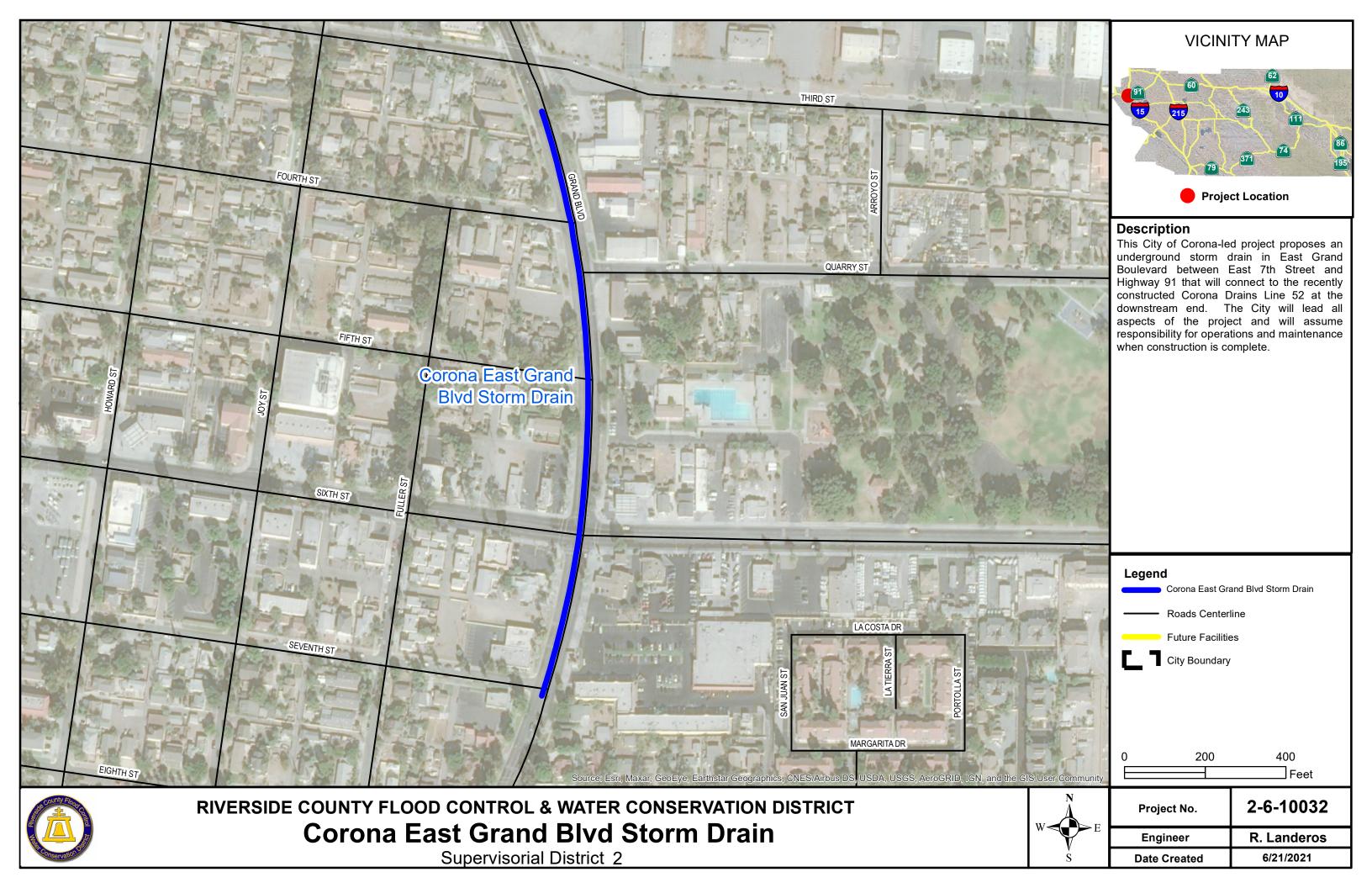


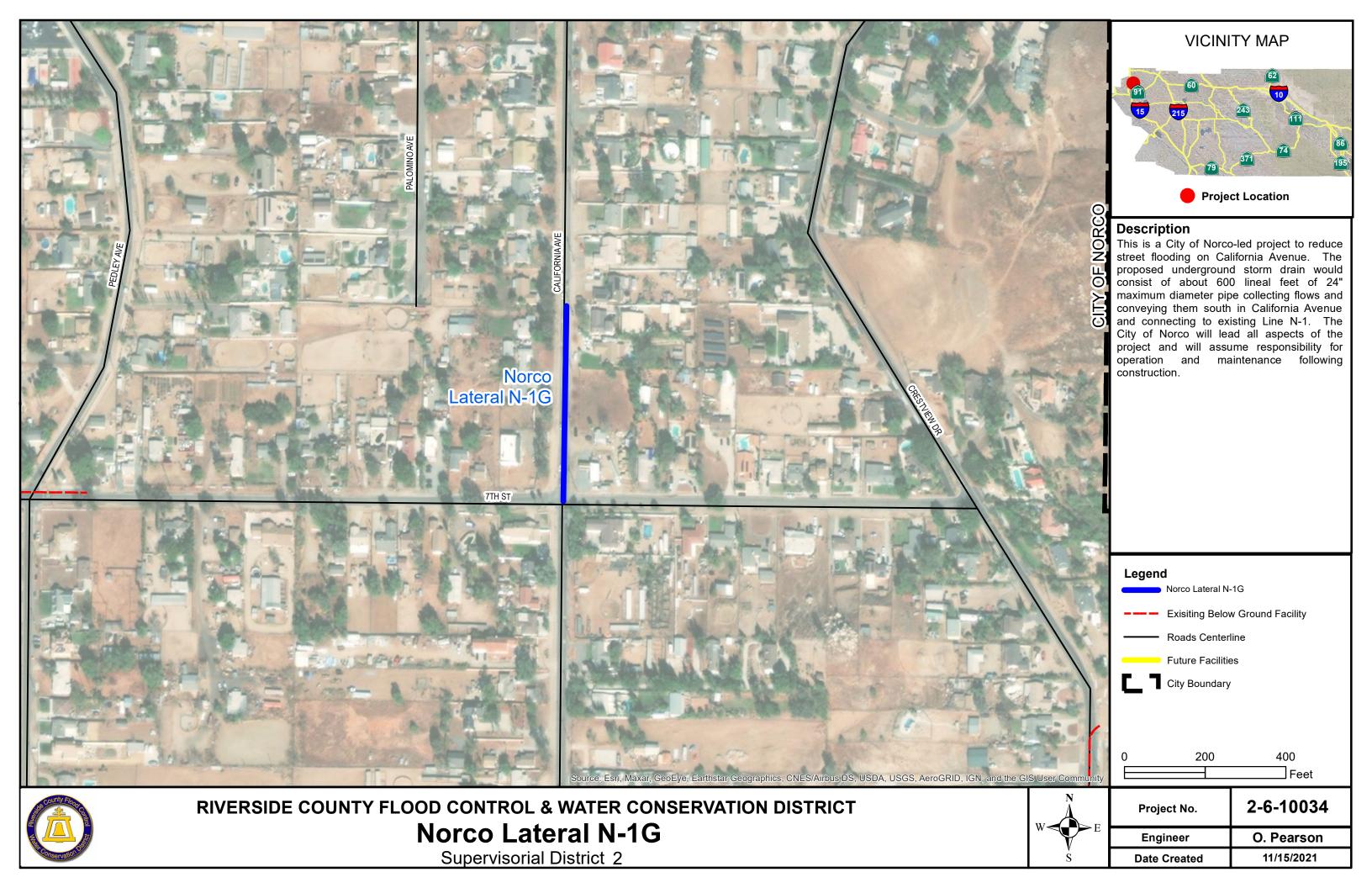


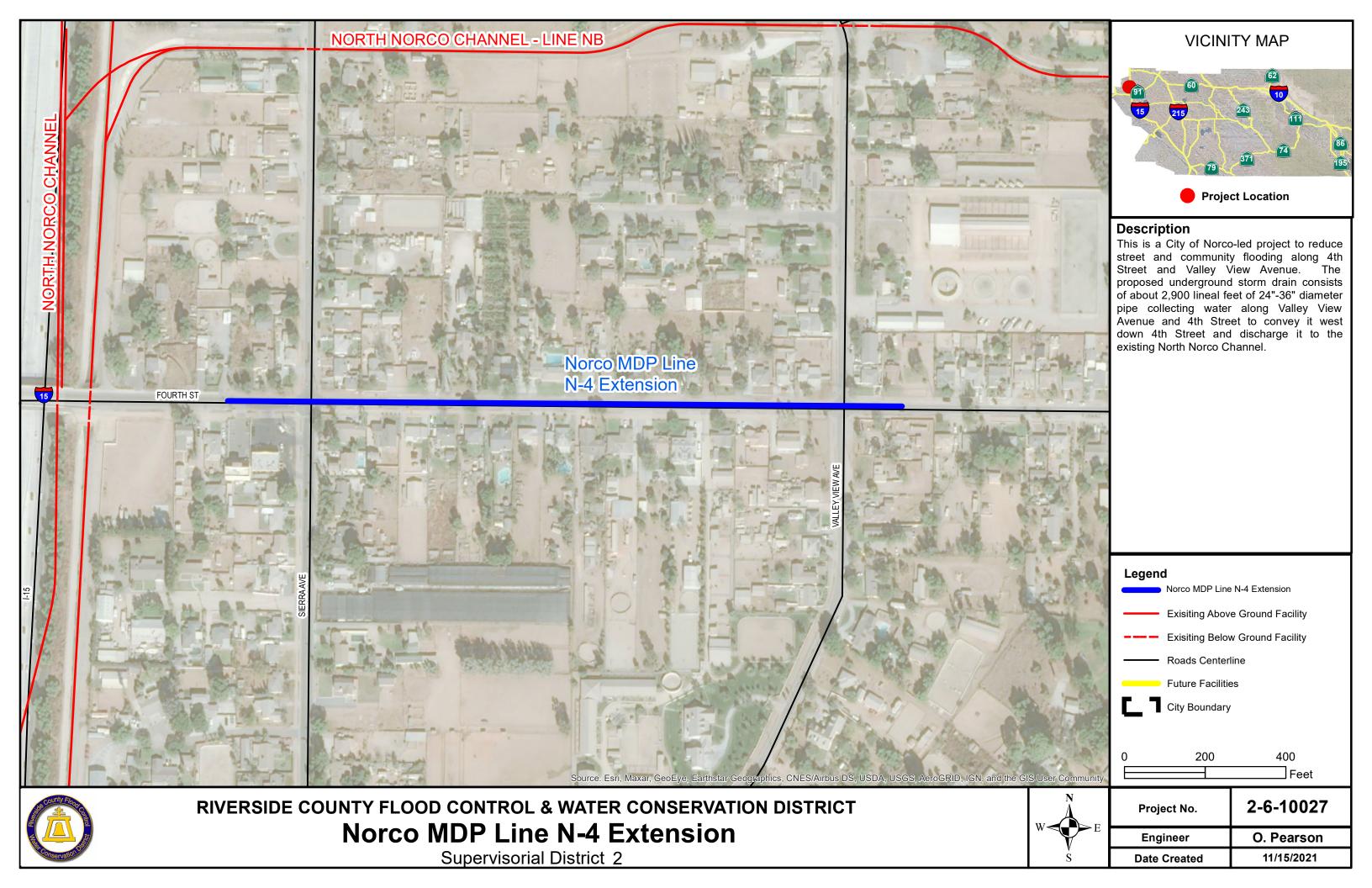


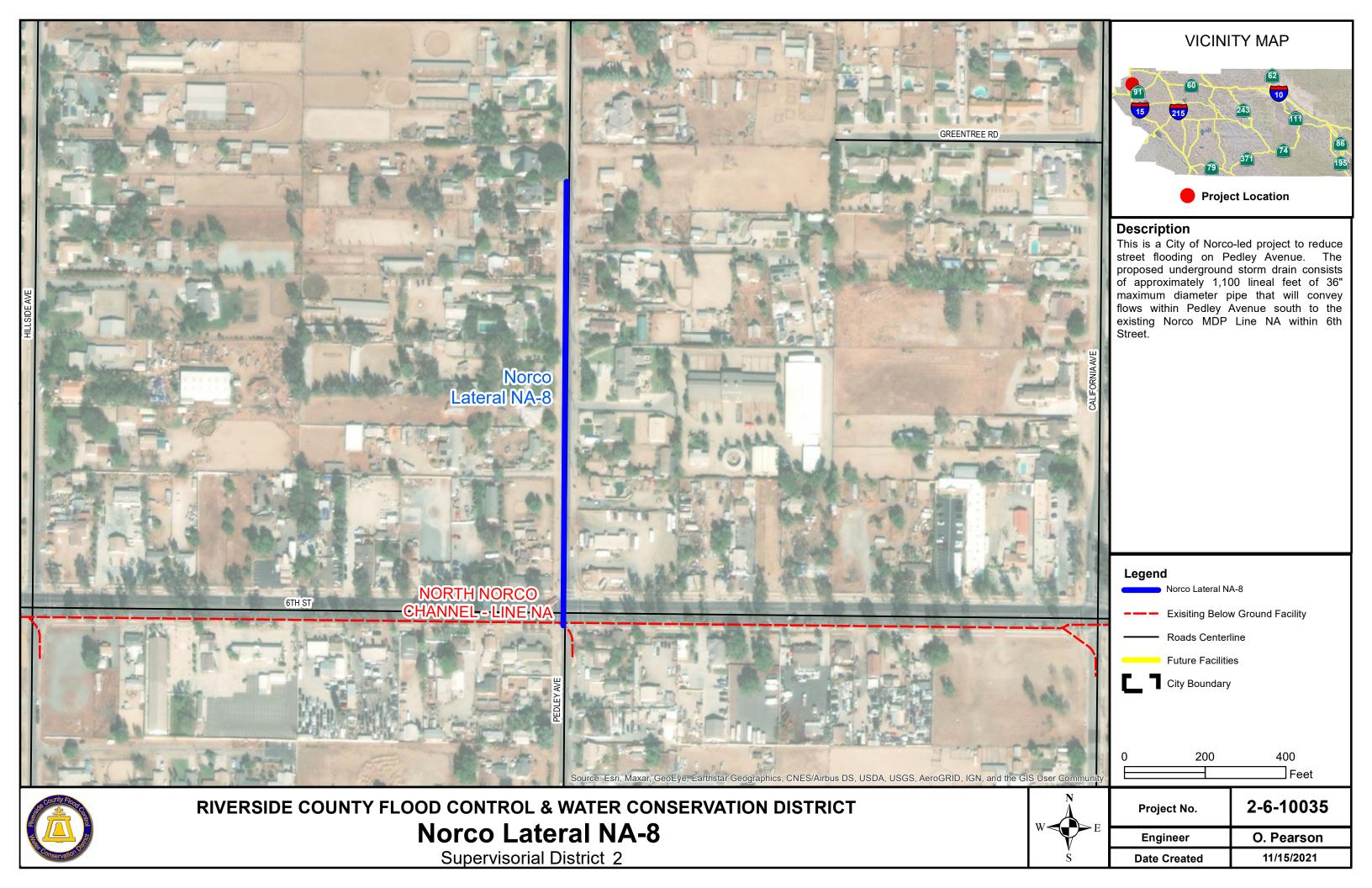


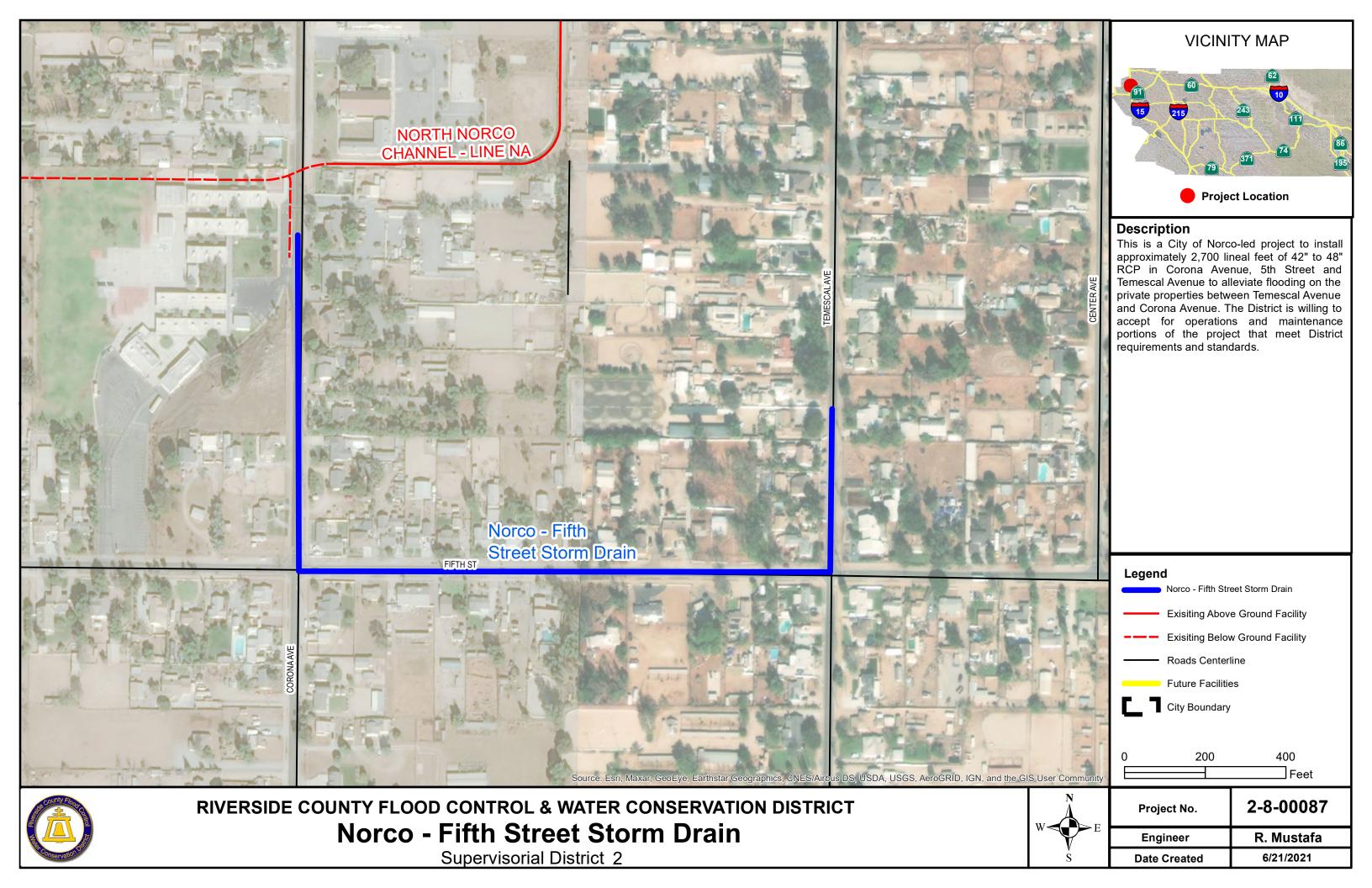


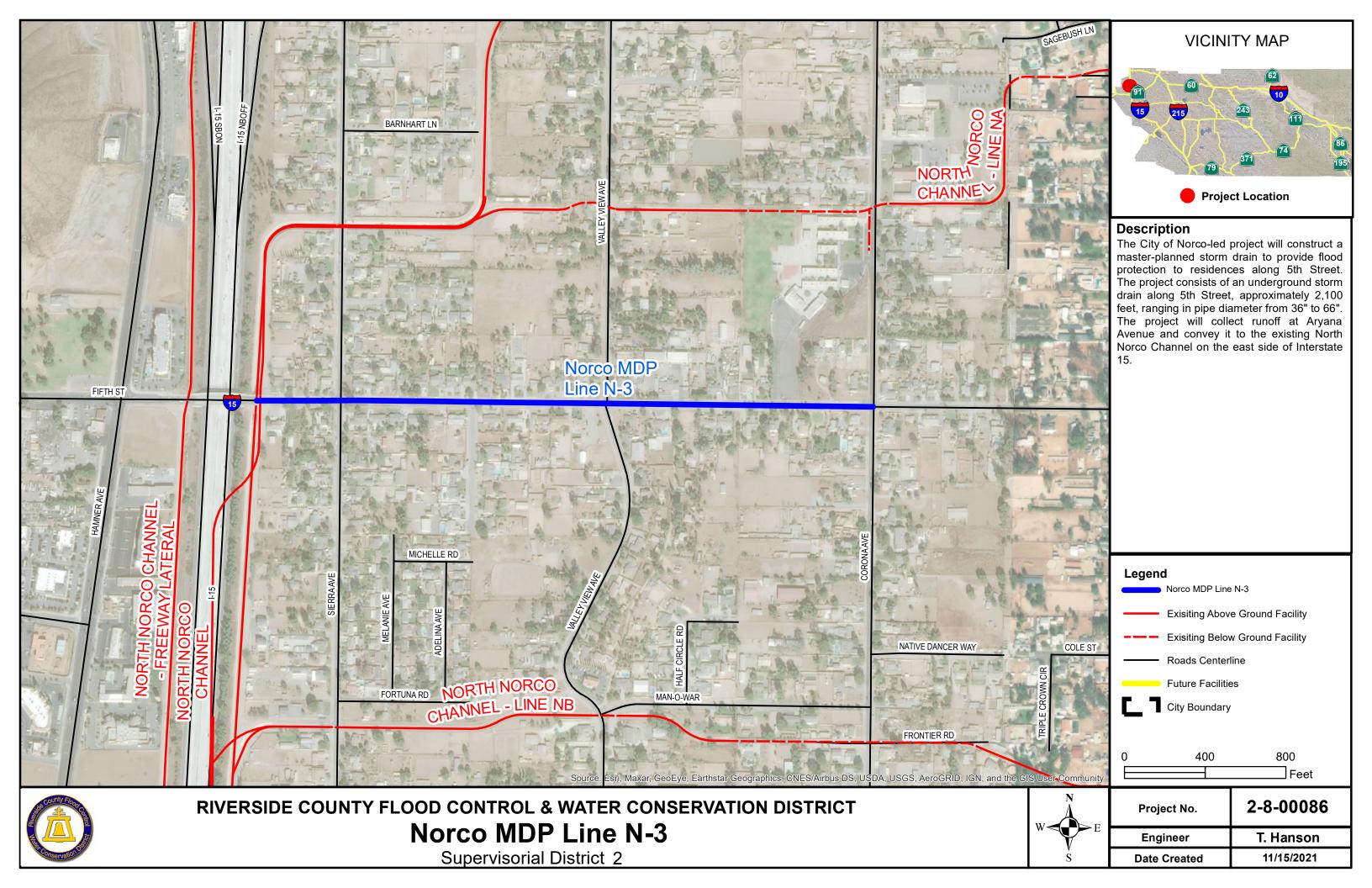


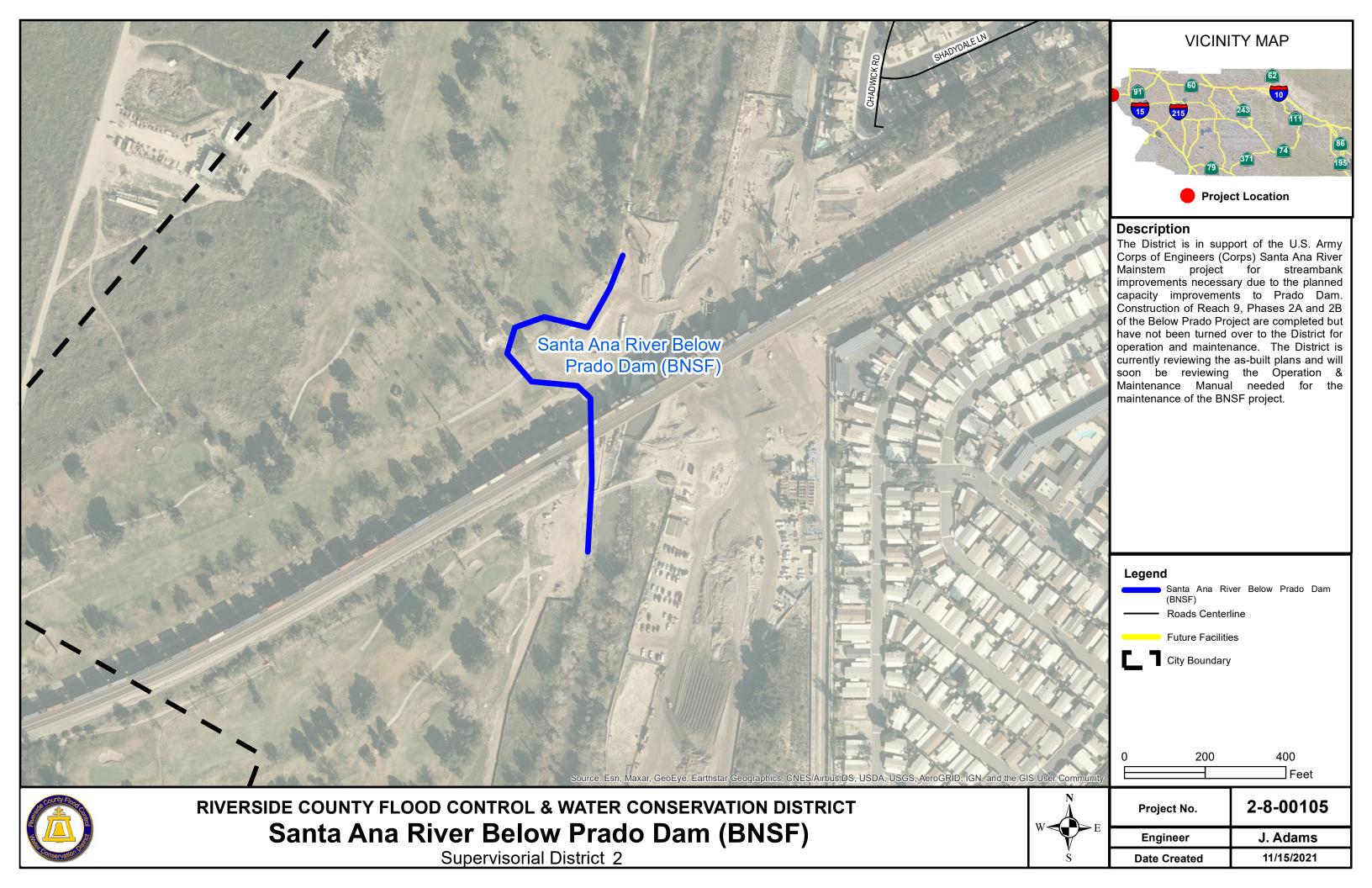












Zone 2 Budget Hearing

December 9, 2021



For attendees joining via TEAMS:

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



Sunita Jain

Administrative Services Supervisor

ZONE 2

SERENA BURNETT, 1st District
TED HOFFMAN, 2nd District
BAXTER MILLER, 2nd 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.



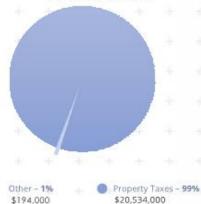
Fund Balance for FY 2020-2021

JULY 1,2020 \$82,750,130
JUNE 30, 2021 \$83,008,974

Sources

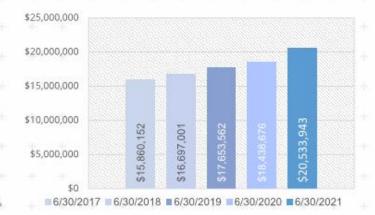
(Where the money comes from)

TOTAL \$20,728,000



Property Taxes

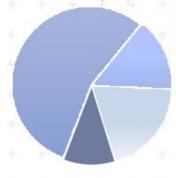
(5 years revenue trend)



Expenditures

(Where the money is spent)

TOTAL \$20,469,000



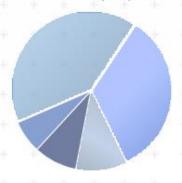
- Salaries & Benefits 55%
 \$11,276,000
- Other 10 % \$2,174,000

- Capital Assets 20% \$3,993,000
- Services & Supplies 15%
 \$3,026,000

Uses

(How the money is used)

TOTAL \$20,469,000



- District Led Projects 41%
 \$8,366,000
 - \$8,366,000 \$1,356,000

 Partner Led Projects 10% Administration 33%

Maintenance - 7%

\$6,840,000

- \$2,107,000
- General Zone Work 9% \$1,800,000

Existing Commitments

Claudio Padres

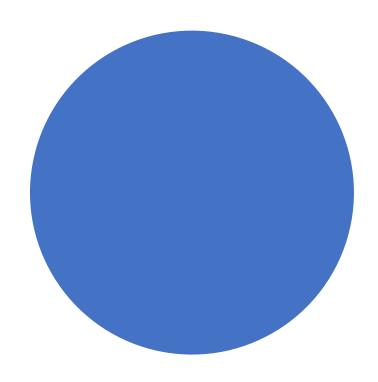
Chief of Design and Construction

Estimates from last February

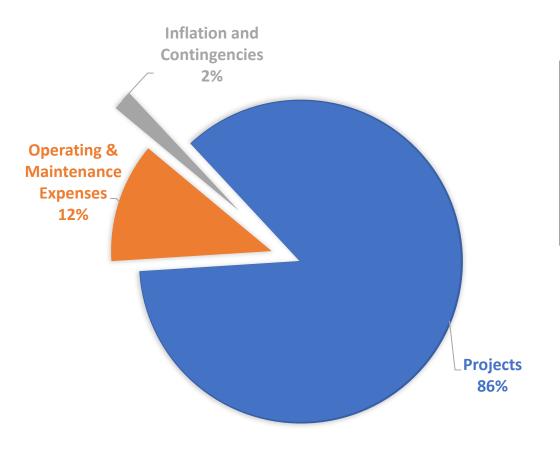


Current CIP: \$179M

Estimates from last February



FY 2021-22 Allocations per CIP



5-year Project Allocation =\$151M

45 Projects

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DISTRICT LED PROJECT SUMMARY - ZONE 2 FISCAL YEARS 2021-22 THROUGH 2025-26

	Stg No.	Project Title	Project Cost Appropriations		Funding Sources (5-Year Total)			Total	
Project Number			Total Remaining Cost	FY 2021-22	FY 2022-26	Tax Revenue	ADP Contribution	External Contribution	Not District Funded
DESIGN AND	D CO	NSTRUCTION							
2-8-00085	01	NORCO - CRESTVIEW DRIVE DEBRIS BASIN	\$142,857	\$142,857	\$0	\$142,857	S0	\$0	\$0
2-8-00110	90	EL CERRITO CHANNEL RESTORATION	1,871,597	1,871,597	0	1,871,597	0	0	0
2-8-00140	11	NORTH NORCO CHANNEL	10,961,839	6,812,615	4,149,224	10,961,839	0	0	0
2-8-00144	01	NORTH NORCO CHANNEL LINE N-2	3,086,289	326,923	2,759,366	3,086,289	0	0	0
2-8-00145	0.3	NORTH NORCO CHANNEL - LINE NB	2,274,465	773,347	1,501,118	2,224,465	0	50,000	0
2-8-00180	0.3	MOCKINGBIRD CYN STABILIZATION	25,412,218	3,039,368	22,372,850	24,276,661	1,135,557	0	0
2-8-00253	01	BEDFORD CANYON CHANNEL	8,741,221	488,729	8,252,492	7,991,221	0	750,000	0
2-8-00406	01	WOODCREST RINEHART ACRES DRAINAGE PLAN IMP	4,300,993	621,993	3,473,652	4,095,645	0	0	(205,348)
PLANNING 1	PROJ	ECTS							
2-6-10000	00	FLOOD CONTROL BASIN RETROFIT STUDY	400,000	200,000	200,000	400,000	0	0	0
2-8-00052	01	TEMESCAL CREEK FLOOD PLAIN AQ	12,450,000	1,873,352	10,576,648	12,450,000	0	0	0
2-8-09058	00	LAKE MATHEWS ESTATES WATER QUALITY POND	4,841,223	0	4,840,945	4,840,945	0	0	(278)
2-8-09065	00	CAJALCO ROAD SD (LAKE MATTHEWS)	1,992,123	0	1,992,123	1,992,123	0	0	0
DESIGN AND CONSTRUCTION			\$56,791,479	\$14,077,429	\$42,508,702	\$54,650,574	\$1,135,557	\$800,000	(\$205,348)
PLANNING PROJECTS			19,683,346	2,073,352	17,609,716	19,683,068	0	0	(278)
		ZONE 2 DISTRICT LED PROJECTS TOTAL	\$76,474,825	\$16,150,781	\$60,118,418	\$74,333,642	\$1,135,557	\$800,000	(\$205,626)

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2021:		FIVE YEAR APPROPRIATIONS:	
Zone 2 Fund	\$73,387,452	District Led Projects Appropriations	\$76,269,199
ADP Sub Fund	1,158,628	Partner Led Projects Appropriations	75,170,877
Total Fund Balance Forward	\$74,546,080	Mise Watershed Protection Projects	2,000,000
		Capital Project Cost Inflation @ 2.0%	1,525,384
REVENUE:		Operating & Maintenance Expenses	21,227,722
Taxes	\$97,237,765	Contingencies	2,013,734
Interest	6,195,881	ADP Refund - Lake Mathews ADP to MWD	10,000
ADP Fees	1.000	Subtotal Appropriations	\$178,216,916

Existing Commitments

Zone 2 Report to the Zone Commissioners

By Jason E. Uhley, General Manager-Chief Engineer November 2021

Active District-Led Projects

Norco - Crestview Drive Debris Basin (2-8-00085-01)

This District-led project requested by the City of Norco will reduce mud/debris issues along Crestview Drive by constructing a debris basin (1.8-acre site) at the foot of the La Sierra Hills. The debris basin will collect mud/debris at three locations along the La Sierra Hills. After settling larger sediment and debris in the basin, 10-year flows will drain from the basin southwesterly into the recently constructed underground storm drain in Crestview Drive (Norco MDP Line NA-1, Stage 2). The construction of the project started in January 2021 and was completed in June 2021. Prior to completing the project, a horse trail path was added via the District access road for the City to operate and maintain.

El Cerrito Channel Restoration (2-8-00110-90)

This is a District-led project to replace approximately 2,300 lineal feet of existing concrete trapezoidal channel with reinforced concrete box and concrete rectangular channel ranging from 11' to 15' wide and 6' to 7' deep. The primary objective is to provide 100-year flow capacity within the proposed facility to remove the existing Federal Emergency Management Agency floodplain. Within the last year, the Riverside County Transportation Department (RCTD) requested the District extend the project limits an additional 200 lineal feet to accommodate RCTD's future Minnesota Road realignment project. In addition to extending the project limits, the facility was changed from rectangular channel to an underground reinforced concrete box between Quebec Avenue and Temescal Canyon Road. An updated draft of the 90% plans that reflects the RCTD requested change is anticipated to be completed by the end of 2021 with construction estimated to start June 2022.

North Norco Channel (2-8-00140-11)

The District-led project will replace an existing earthen channel with a higher capacity concrete-lined channel to convey the 100-year flow and significantly reduce the floodplain along the channel. The mainline will include approximately 5,900 lineal feet of trapezoidal and rectangular channel of various dimensions and will replace culverts under three street crossings (Corona Avenue, Valley View Avenue, and Sixth Street). Stage 11 will convey flows from the existing North Norco Channel Line N-1 storm drain to the existing confluence with North Norco Channel Line NA. The project will also construct two infiltration basins to reduce runoff pollutants from adjacent land. A draft of the 90% plans is in progress, and the project plans will be completed before the end of December 2021.

Construction Projects

South Norco Channel Stage 6

Construction Cost \$7.8M

Completed July 2021

Floodplain Reduction, Protects:

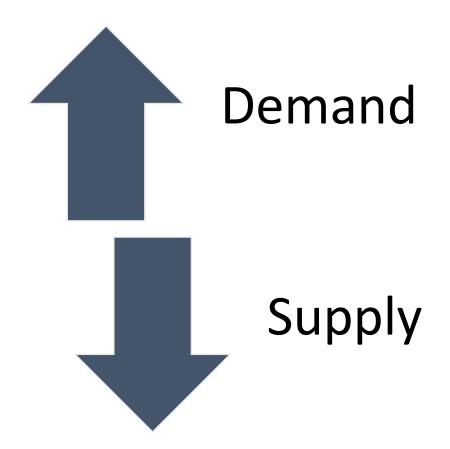
- Residents
- Temescal Ave, Third Street, Hillside Lane
- Norco High School
- Norco Intermediate School



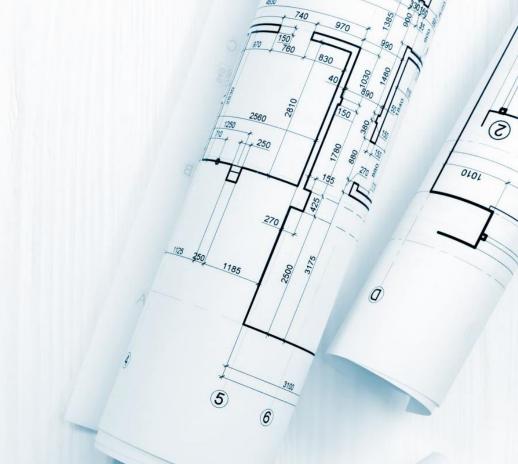




Recent Trends

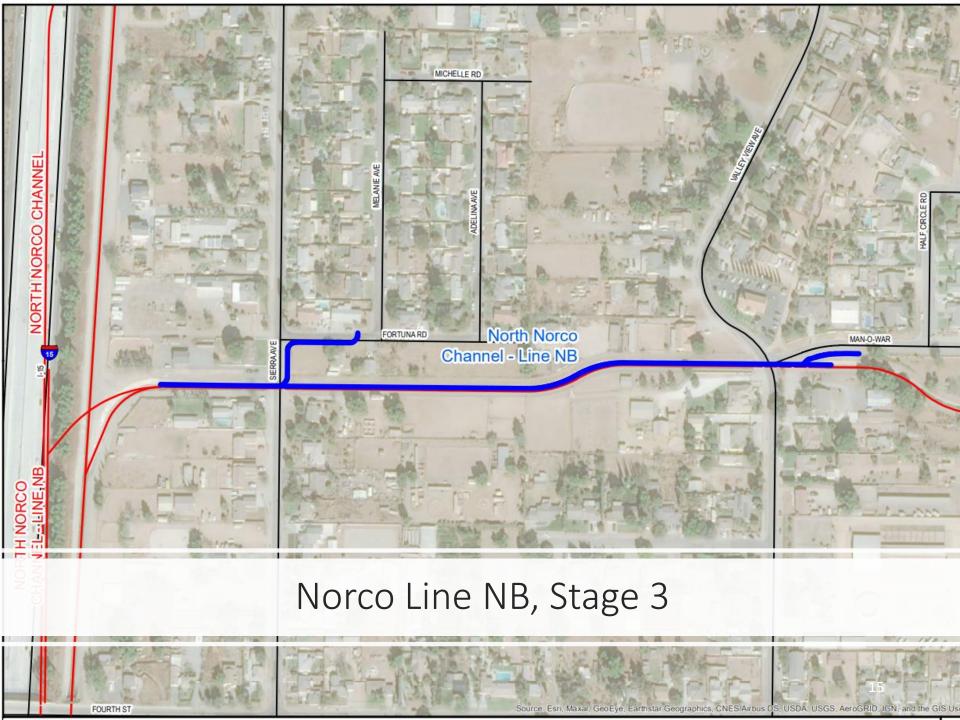


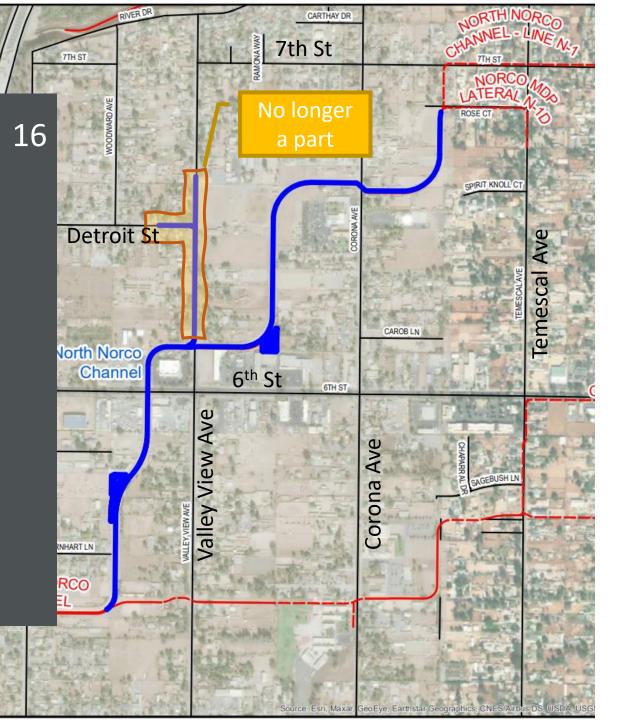
- Construction Costs
 - 15-30% increase
- Construction Delays
 - 3-8 month lead times



Active Design Projects

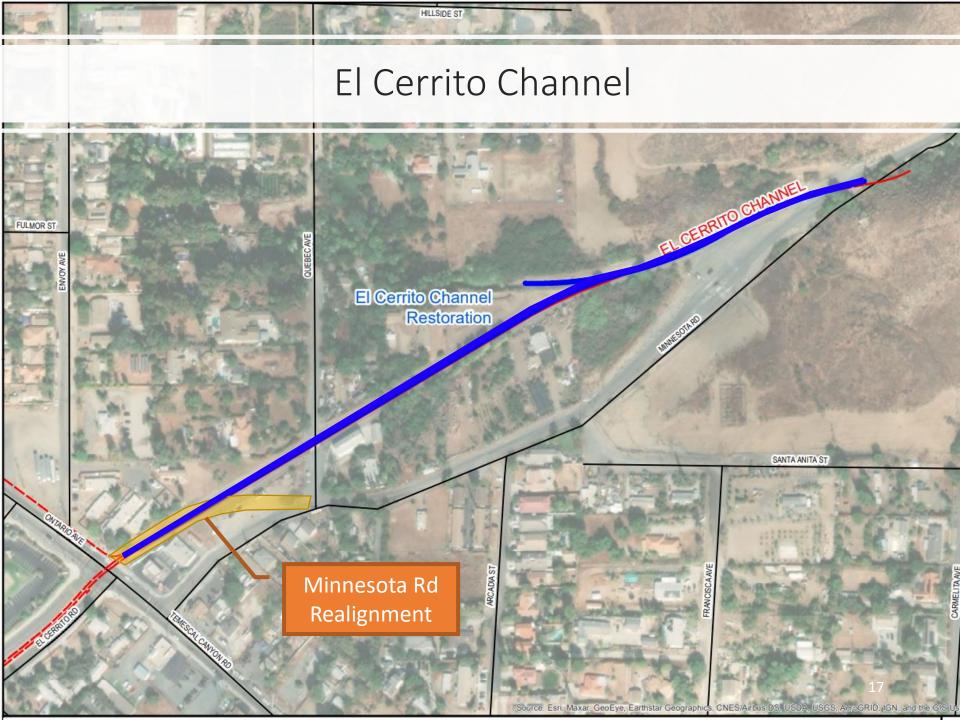
District-Led \$61M



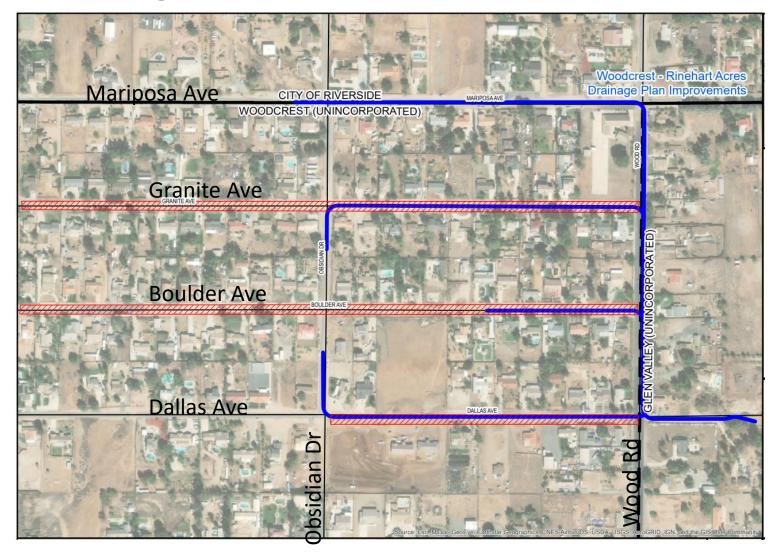


North Norco Channel Stg 11

- \$11M Estimated Cost
- Reduces FEMA floodplain
- Construction
 Summer/Fall 2022

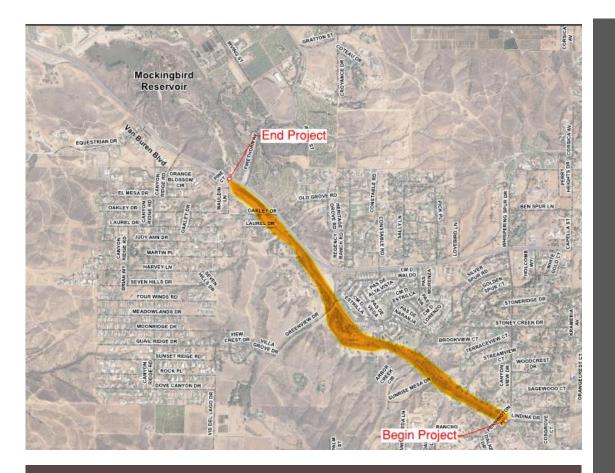


Woodcrest Rinehart Acres Drainage Plan





Google Ear



Mockingbird Canyon Stabilization

- \$28M Project
- Protects Mockingbird Canyon road and adjacent residents.

Bedford Wash + \$3M

District Projects

Mockingbird
Stabilization +\$2.1M

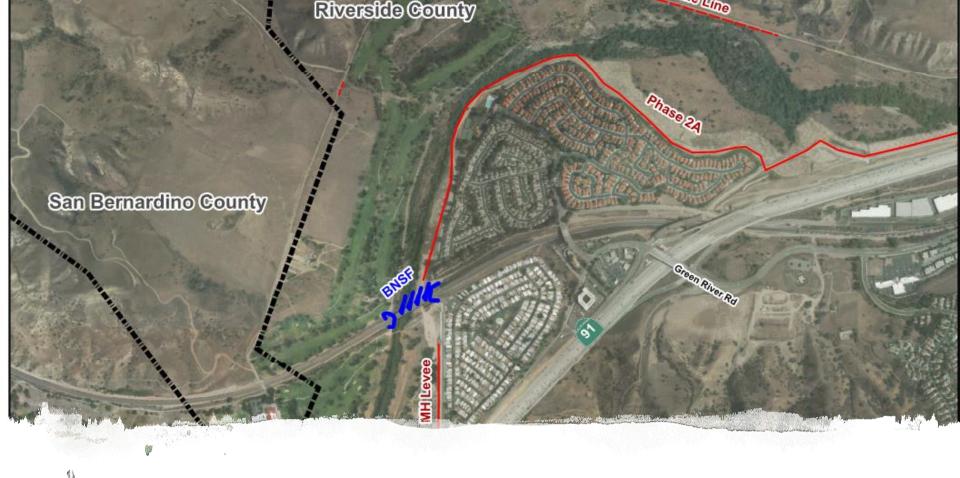
Other Projects + \$3.5M

Total = + \$10M



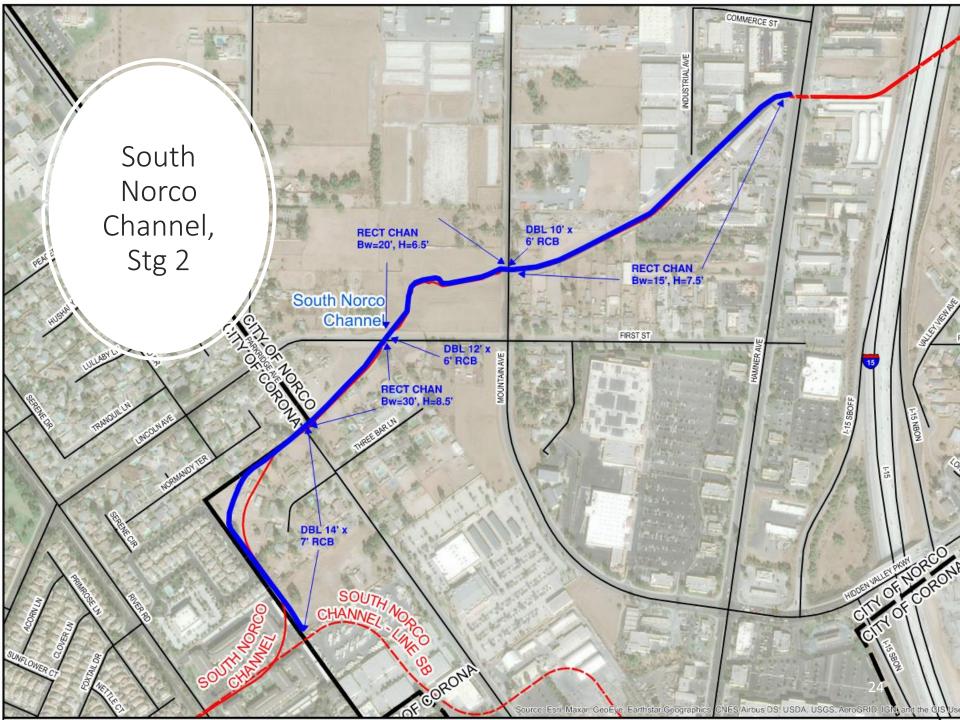
Partner Projects

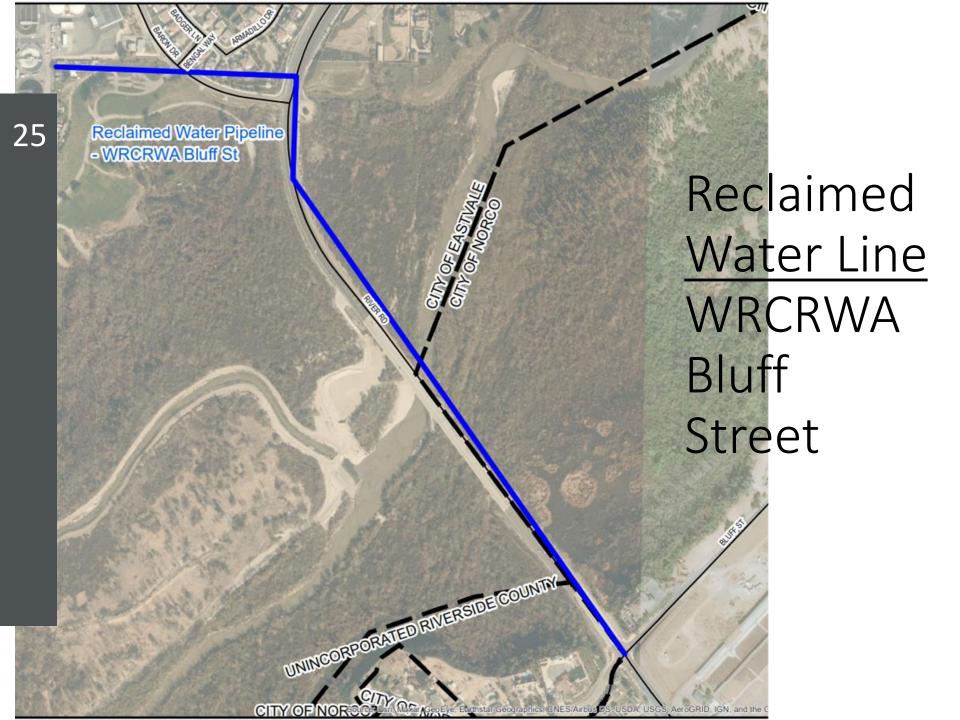
- \$75M Total Existing Allocation
 - 16 Capital Projects
 - 17 Funding Projects
 (Watercon, Small Storm Drain)



Santa Ana Canyon Below Prado BNSF Bridge Protection

- US Army Corps of Engineers Project
- Construction Completed April 2021
- Landscaping over next year

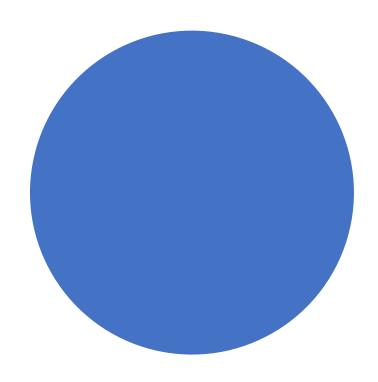




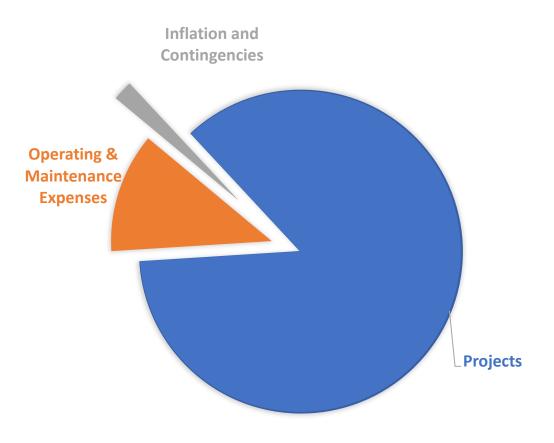
Estimates from last February



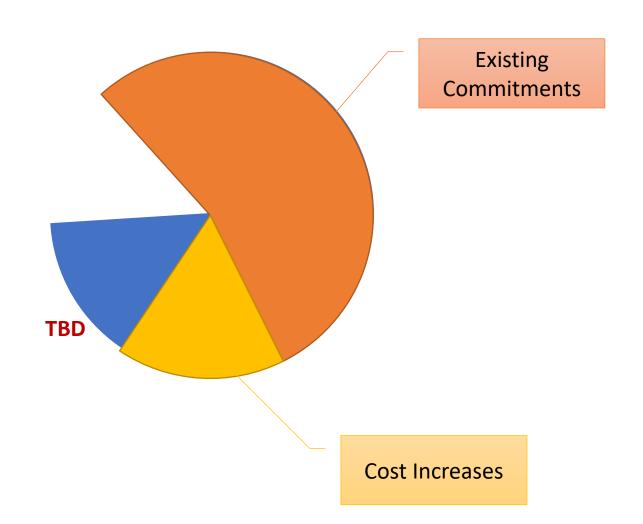
Estimates from last February



FY 2021-22 Allocations per CIP



FY 2021-22 Allocations per CIP



New Project Requests

New Funding Requests Received to Date

Corona (\$7M)

- 1.AMI Meter Replacement (\$5M)
- 2.Reclaimed Water RWCRWA Bluff Street (+\$630k)
- 3.Butterfield Drive Reclaimed Water Flow Control Station (+\$1.3M)

Norco (\$2.5M)

- 1.West Norco Channel Extension (\$1.6M)
- 2.Town & Country Drive SD (\$650k)
- 3. Parkridge Avenue & North Drive Minor Storm Drains (+\$250k)

County EDA(\$6.3M)

Van Buren Sewer Improvement (\$6.3M)

