



RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

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 Wednesday, December 13, 2023 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 2024-2025.

1. Chief Engineer's Report of Zone Activities.
2. Receive requests from interested parties for projects for Fiscal Year 2024-2025.
3. Oral communication from the audience.

The Budget Work Session is set for 2:00 p.m. on Wednesday, February 28, 2024 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 2024-2025.

Zone 2
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
November 2023

Completed Projects

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

This City of Norco-led project to reduce street flooding on California Avenue was completed in October 2023. The underground storm drain consists of approximately 600 feet of 24-inch maximum diameter pipe that collects flows and conveys them from north to south within California Avenue, outletting into the existing Line N-1 storm drain located within 7th Street. The City of Norco is responsible for operation and maintenance. This project was funded by the District.

Norco MDP Line N-1C (2-6-10035-00) *[formerly Norco Lateral NA-8]*

The City of Norco completed this project to reduce street flooding on Pedley Avenue. The underground storm drain consists of approximately 1,100 feet of 36-inch maximum diameter pipe that conveys flows within Pedley Avenue south to the existing Norco MDP Line NA within 6th Street. The City of Norco is responsible for operation and maintenance. This project was funded by the District.

North Norco Channel Line NB, Stage 3 (2-8-00145-03)

This District-led project replaced approximately 1,800 feet of existing interim earthen channel with an open concrete trapezoidal and rectangular channel that now provides 100-year flood protection to the community near the channel between Valley View Avenue and Sierra Avenue. The project collects flows from the existing improved portion of Line NB upstream (east) of Valley View Avenue and conveys them westerly in an upgraded channel until they are discharged into the existing North Norco Channel on the east side 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. Construction is substantively complete on this project, and the District is processing final payments and the Notice of Completion.

Zone 2
Report to the Zone Commissioners
November 2023

Active District-Led Design Projects

Temescal Creek Flood Plain Acquisition, Stage 1 (2-8-00052-01)

This is a District-led project to identify and acquire up to 541 acres worth of parcels from willing sellers along the Temescal Canyon Wash that are subject to flood hazards. The approximate limits of the acquisition are between Magnolia Avenue to the north and Lake Street to the south along Temescal Creek. This is a non-structural flood hazard mitigation program with the potential to preserve or restore the natural habitat, improve water quality, recharge groundwater aquifers and/or provide recreational opportunities. This project is funded by the District. Since the start of the project to date, the District has acquired 14 parcels with plans to acquire two additional parcels for the project in Fiscal Year 23-24.

Lake Mathews Cajalco Road Storm Drain, Stage 1 (2-8-00095-01)

This is a District-led project to reduce street and residential flooding near Cajalco Road in the Lake Mathews area. The project consists of an upstream sediment basin as part of the Metropolitan Water District (MWD) Lake Mathews Water Quality Master Plan and 615 feet of 72-inch diameter reinforced concrete pipe conveying water from the basin north across Cajalco Road and discharging to the natural waterway. This project is funded by the District. The District is currently working on the Project Charter, which will identify project scope, objectives, potential alternatives, obtain topographic survey of the site and define roles and responsibilities for the project stakeholders.

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

This District-led project replaces approximately 2,300 feet of existing concrete trapezoidal channel with higher capacity reinforced concrete box and concrete rectangular channel of varying dimensions. The primary objective is to provide 100-year flow capacity within the proposed facility and remove the existing Federal Emergency Management Agency (FEMA) floodplain. The project collects flows from two existing storm drain systems at the El Cerrito Road-Temescal Canyon Road/Ontario Avenue intersection and conveys the water northeasterly to Temescal Creek. The District will be responsible for operation and maintenance of the project improvements. This project is funded by the District. The District advertised the project for construction in January 2023. Mamco, Inc. was the apparent low bidder with the low bid at \$4,254,444. A Notice to Proceed was issued to the contractor in July 2023, and the project is currently in active construction.

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

This District-led project will replace an interim existing earthen channel with a higher capacity concrete-lined channel that can safely contain and convey the 100-year flow, thereby significantly reducing the floodplain along the channel. Stage 11 will include approximately 5,900 feet of trapezoidal and rectangular channel and will replace culverts under three street crossings (Corona Avenue, Valley View Avenue and Sixth Street). The project collects flows from the existing North Norco Channel Line N-1 storm drain at the westerly end of Rose Court and conveys them southerly to the existing confluence with North Norco Channel Line NA northwest of Valley View Avenue and Fifth Street. The project will also construct two water quality basins to reduce runoff pollutants from adjacent land. This project is funded by the District, less a \$165,000 external contribution made by the City of Norco for waterline and electrical relocations. The District will be responsible for operation and maintenance of the storm drain improvements. The District advertised the project in February 2023 and awarded to Riverside Construction in May 2023 with a bid of \$12,506,843. A Notice to Proceed was issued July 2023, and the project is currently in active construction.

Zone 2
Report to the Zone Commissioners
November 2023

Mockingbird Canyon Stabilization, Stage 3 (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 stabilize Mockingbird Canyon Wash and reduce erosion and sediment transport and erosion that can damage public infrastructure and adjacent residences. The portion of the wash that will be stabilized begins at the Pennington Place bridge crossing and traverses downstream (northwest) parallel to Mockingbird Canyon Road to where the wash crosses under Van Buren Boulevard near Pine Court. The drainage improvements are anticipated to consist of soil cement/rock armoring bank protection and grade control structures. The project also includes two new road crossings: one at Greenview Drive and another downstream (location to be determined) for additional residential access. The project will also replace the existing Pennington Place bridge. The project will also provide opportunity for a future trail system that could be established by other entities. The District will be responsible for operation and maintenance of the facility (not including future trails). This project is funded by the District and fees collected from the Mockingbird Canyon Area Drainage Plan. The design consulting firm submitted a Preliminary Design Technical Memorandum in April 2023 and is currently working on completing the 30% Improvement Plans.

Bedford Canyon Channel, Stage 1 (2-8-00253-01)

This District-led project proposes to improve approximately 2,000 feet of improvements in Bedford Canyon Wash, located east of Interstate 15, west of Temescal Canyon Road and south of Cajalco Road in Corona. The primary objective for this project is to safely convey the 100-year storm flows in a stabilized system from Interstate 15 northbound freeway to an existing culvert under Temescal Canyon Road in a manner that reduces erosion and sediment generated in the wash. Additionally, the project will aim to accommodate space for the future Butterfield Overland Trail project. The District will be responsible for operation and maintenance of the channel. This project is funded as a cost share between the District and an external contribution from the Riverside County Transportation Commission. The District completed 60% Improvement Plans in February 2023 and is now working on completing 90% Improvement Plans and acquiring the right of way and environmental permits necessary to complete the project.

Woodcrest-Rinehart Acres Drainage Plan Improvements, Stage 1 (2-8-00406-01)

This is a District-led project to reduce street and community flooding in the Woodcrest-Rinehart Acres subdivision. The project consists of 10,250 feet of drainage-related street improvements and 8,000 feet of a reinforced concrete pipe storm drain system ranging in diameter from 18 to 66 inches to convey flows from the streets of Mariposa Avenue, Granite Avenue, Boulder Avenue, Dallas Avenue, Obsidian Drive and Wood Road to their natural outlet in the 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 will be responsible for operation and maintenance of the mainline storm drain facility, and the County of Riverside will maintain the street improvements and drainage inlets. This project is funded by the District. The District's design consultant has completed the 100% Improvement Plans and circulated them to the relevant signatories for final review and approval. The District is also working on a cooperative agreement with the City of Riverside and the County of Riverside Transportation Department. The project is anticipated to go out to bid in Fiscal Year 23-24.

Zone 2
Report to the Zone Commissioners
November 2023

Active Partner-Led Projects

Jurupa Community Services District (JCSD) Recycled Water Distribution, Stage 50 (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 feet of 24-inch pipe throughout Eastvale. The reclaimed water will be used in Eastvale and within JCSD service areas. JCSD will be responsible for operation and maintenance of the facility. 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. Improvement Plans are at 90%, and the project is expected to go into construction in Fiscal Year 23-24.

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

This is a City of Norco-led project to construct 2,900 feet of storm drain ranging from 24-36 inches in diameter. The project will collect water along Valley View Avenue and 4th Street and convey it westerly toward Interstate 15, outletting into the existing North Norco Channel. This project will reduce street and community flooding along 4th Street and Valley View Avenue. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. The project is currently in construction.

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

The City of Corona-led project proposes to construct 1,600 feet of 36-inch diameter reinforced concrete pipe. The facility will convey storm flows from Seventh Street to Second Street and tie into an existing culvert under the 91 Freeway. The project will alleviate street flooding experienced along the streets. The City of Corona will be responsible for operation and maintenance of the facility. This project is funded by the District. Design is anticipated to begin in spring 2024.

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

The City of Corona-led project proposes to construct 1,600 feet of 36-inch diameter reinforced concrete pipe. The facility will convey storm flows from Seventh Street to Third Street and tie into the existing Corona Line 52 storm drain. The project will alleviate street flooding experienced along the streets. The City of Corona will be responsible for operation and maintenance of the facility. This project is funded by the District. The City of Corona plans to release a Request for Proposals for environmental and design services in September 2023 and begin design in January 2024. Construction is anticipated to start in July 2024.

Norco North Drive & Grulla Storm Drain (2-6-10038-00) *[formerly known as Norco Substation Road Storm Drain]*

This is a City of Norco-led project to reduce street and community flooding by upgrading an existing facility. It consists of 2,800 feet of storm drain pipe collecting flows from the intersection of Crestview Drive and North Drive and conveying them northwesterly into the Santa Ana River. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. The Improvement Plans are 60% complete. The project is to be phased to accommodate the adjacent lift station.

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November 2023

Van Buren Sewer Improvement Project (2-6-10042-00)

This is a District contribution to fund a joint project between the Riverside County Office of Economic Development and the City of Riverside Public Utilities (RPU) to extend the existing RPU sanitary sewer line within Van Buren Boulevard from Wood Road two miles westerly to King Avenue, including a sewer lift station on the northeast corner of Krameria Avenue and Washington Street. This project is anticipated to benefit surface water quality in the surrounding streams and rivers by bringing sewer service to a community that is currently on septic systems in a watershed that is known to have concerns about bacteria leaching into surface water runoff. RPU will be responsible for operation and maintenance of the facility. The District's contribution will cover a portion of the overall project; the remaining portion will be covered by RPU and an U.S. Economic Development Administration grant. This project is currently under construction.

Corona South Victoria Avenue Storm Drain (2-6-10046-00)

This is a City of Corona-led project to reduce flooding within Victoria Avenue. The project consists of approximately 1,900 feet of 36-inch diameter reinforced concrete pipe proposed to collect and convey runoff from Seventh Street toward an existing culvert crossing the 91 Freeway. The City of Corona will be responsible for operation and maintenance of the facility. This project is funded by the District. The District is working on the cooperative funding agreement with the City. Design is expected to start in spring 2024, and construction is anticipated to start in spring 2025.

Corona Drains Line 9A (2-6-10047-00) [formerly Corona Drains Line 9A, Stage 1 (2-8-00235-01)]

This is a City of Corona-led project to construct a master planned storm drain to provide flood protection to businesses and residences along Magnolia Avenue. The project consists of approximately 3,000 feet of 24-inch to 33-inch diameter underground storm drain. The project will collect runoff at Kellogg Avenue and convey it to the existing City-owned storm drain in Magnolia Avenue ending at Mt. Wilson. The City of Corona will be responsible for operation and maintenance of the facility. This project is funded by the District. The District is working on the cooperative funding agreement with the City. Design is expected to start in spring 2024, and construction is anticipated to start in spring 2025.

Norco Elementary School Storm Drain (2-6-10048-00)

This is a City of Norco-led project to reduce street and community flooding. It consists of 1,500 feet of 24-inch to 36-inch storm drain pipe to collect flows along Temescal Avenue and Norco Elementary School and convey them to South Norco Channel Line SA. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. The District is working on the cooperative funding agreement amendment with the City. The project is currently in construction and expected to be completed by the end of December 2023.

Norco Lateral S-1B Extension (2-6-10049-00)

This is a City of Norco-led project to reduce street and community flooding. It consists of 600 feet of 30-inch diameter storm drain pipe within Golden West Lane to collect flows from the south end of the street and convey them north to an existing storm drain Line S-1. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. Improvements Plans are complete, and the City of Norco anticipates the project to go out to bid in September 2023.

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November 2023

First Street Storm Drain (2-6-10050-00)

This is a City of Norco-led project to reduce street and community flooding. It consists of 900 feet of 30-inch diameter storm drain to collect flows within First Street and convey them west into an existing Interstate 15 Caltrans culvert. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. Improvement plans are complete, and the City of Norco anticipates the project to go out to bid in August 2023.

Norco Citation Drive Storm Drain (2-6-10051-00)

This is a City of Norco-led project to reduce street and community flooding. It consists of 200 feet of 24-inch diameter storm drain pipe to collect water from a low point on Citation Drive and convey it north to the existing District Norco Master Drainage Plan Line S-5 storm drain. The City will be responsible for operation and maintenance of the facility. This project is funded by the District. Improvement Plans are 60% complete, and the city of Norco anticipates the project to go out to bid in October 2023.

Norco Lateral S-1C Extension (2-6-10052-00)

This is a City of Norco-led project to place 1,300 feet of 30-inch reinforced concrete pipe within Hillside Avenue to collect flows and drain them north into the existing District Norco Master Drainage Plan Line S-1 storm drain located in Third Street. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. Improvement Plans are 60% complete, and the city of Norco anticipates the project to go out to bid in October 2023.

Norco Lateral S-5E (2-6-10053-00)

This is a City of Norco-led project to reduce street and community flooding. The City is exploring two options on Hillside Avenue: Option 1 consists of 1,100 feet of 24-inch to 36-inch diameter reinforced concrete pipe within private property to collect flows and convey them westerly to Norco Master Drainage Plan Line S-5; and Option 2 consists of 1,110 feet of 24-inch to 36-inch diameter reinforced concrete pipe within Hillside Avenue to collect flows and convey them southerly to Norco Master Drainage Plan Line S-1. The City or Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. Improvement Plans are 60% complete, and the City of Norco anticipates the project to go out to bid in October 2023.

Norco MDP Lateral NA-6 (2-6-10054-00) [formerly Norco - Fifth Street Storm Drain, Stage 1 (2-8-00087-01)]

This is a City of Norco-led project to install approximately 2,700 feet of 42-inch to 48-inch reinforced concrete pipe in Corona Avenue, 5th Street and Temescal Avenue to alleviate flooding on the private properties between Temescal Avenue and Corona Avenue. Flows will be conveyed from Fifth Street and outlet into existing North Norco Channel Line NA. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. The project is currently in construction.

Norco MDP Line N-3, Stage 1 (2-8-00086-01)

The City of Norco-led project proposes approximately 2,100 feet of reinforced concrete pipe, ranging in pipe diameter from 36-66 inches. The storm drain alignment is within 5th Street and conveys flows from Aryana Avenue to North Norco Channel, located on the east side of Interstate 15. This project will alleviate flooding within the streets and surrounding area. The District and the City of Norco will share operation and maintenance responsibilities based on storm drain sizing. This project is funded by the District. The District executed the Cooperative Funding Agreement with the City of Norco in July 2022. The City is currently reviewing the Improvement Plans, and the bid is anticipated to go out in late 2023.

Zone 2
Report to the Zone Commissioners
November 2023

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

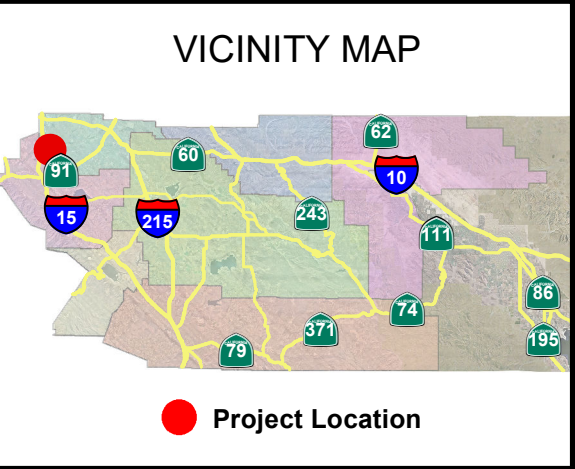
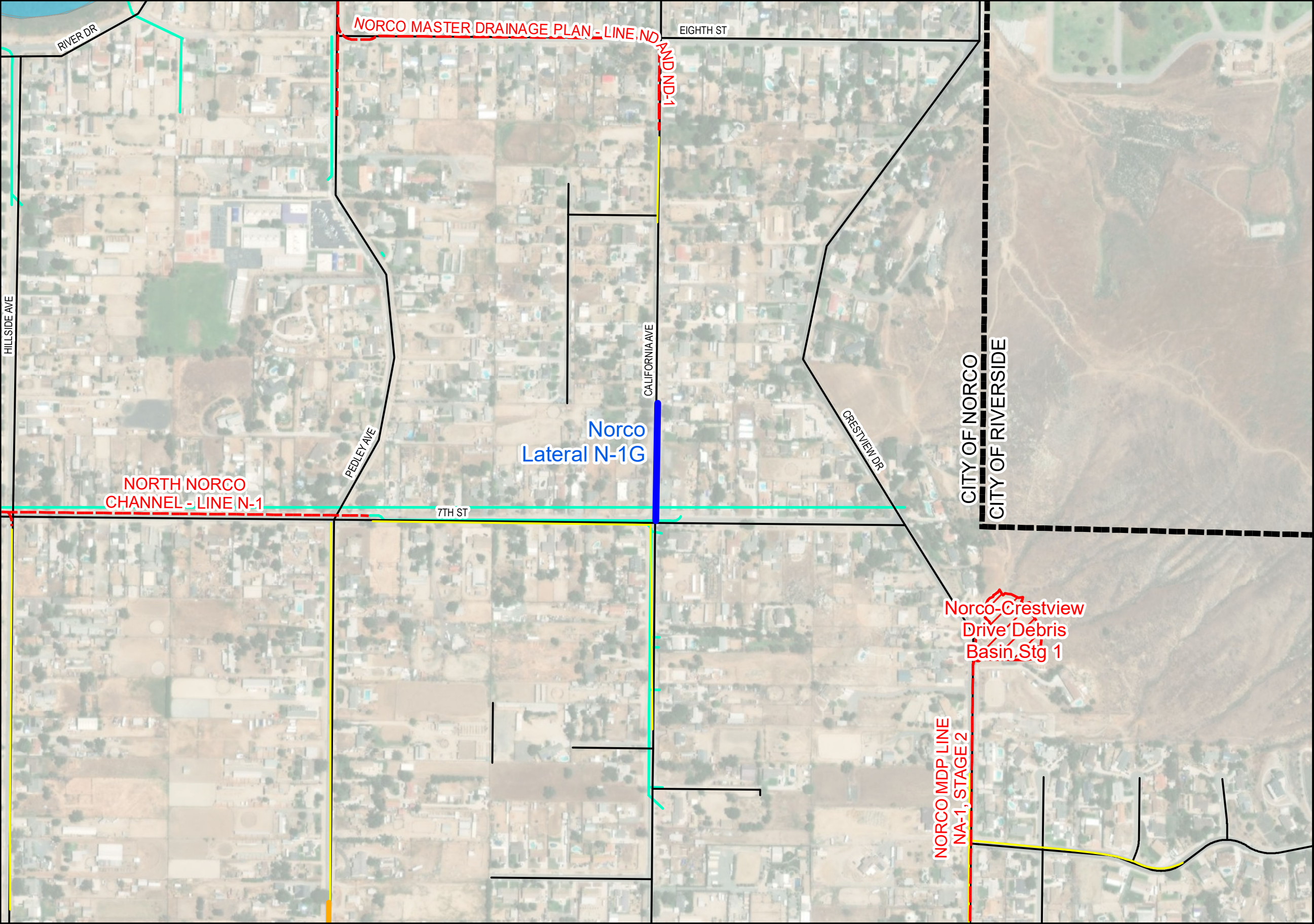
This is a U.S. Army Corps of Engineers (Corps)-led project for streambank improvements necessary due to the planned increased discharge capacity from the Prado Dam. Construction of Reach 9, Phases 2A and 2B, Mobile Home Levee and BNSF projects are completed but have not been turned over to the District for operation and maintenance. These projects are funded as a cost share via Local Cooperative Agreement between the Corps, Riverside County, Orange County, San Bernardino County and the Riverside County Transportation Commission. The District and Corps are working together toward the completion of the Operations, Maintenance, Repair, Replacement, and Rehabilitation Manuals to complete the transfer of the projects for long-term operation and maintenance.

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

This City of Norco-led project will replace 5,800 feet of existing undersized channel and will convey storm flows from Hamner Avenue to an existing reinforced concrete box (RCB) south of Parkridge Avenue. The proposed facilities will include varying sizes of rectangular channel and RCB. The improvements will provide 100-year flood protection and remove residences and businesses adjacent to the channel out of the Federal Emergency Management Agency (FEMA) mapped floodplain. The District will be responsible for operation and maintenance of the channel. This project is funded by the District. The Cooperative Funding Agreement was executed in November 2020. The City of Norco is currently working on final design plans.

Norco MDP Line S-2, Stage 2 (2-8-00164-02)

This City of Norco-led project to provide flood protection to properties along Second Street. The project consists of approximately 2,700 feet of reinforced concrete pipe (18-40 inches) along Hillside Avenue and conveys flows to the existing South Norco Channel, west of Corona Avenue. The City of Norco will be responsible for operation and maintenance of the facility. This project is funded by the District. The Improvement Plans are complete, and the project is in construction. Construction is anticipated to be complete by the end of August 2023.



Description

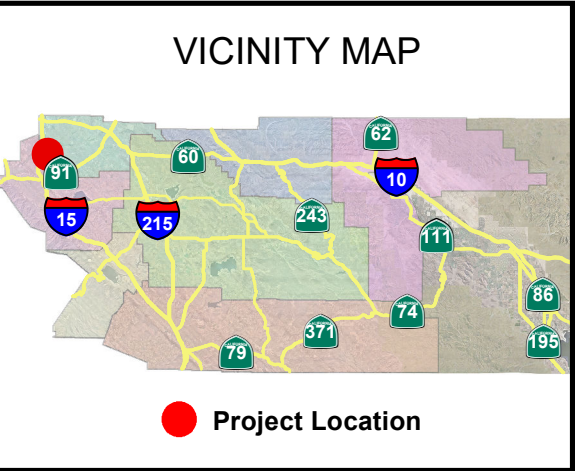
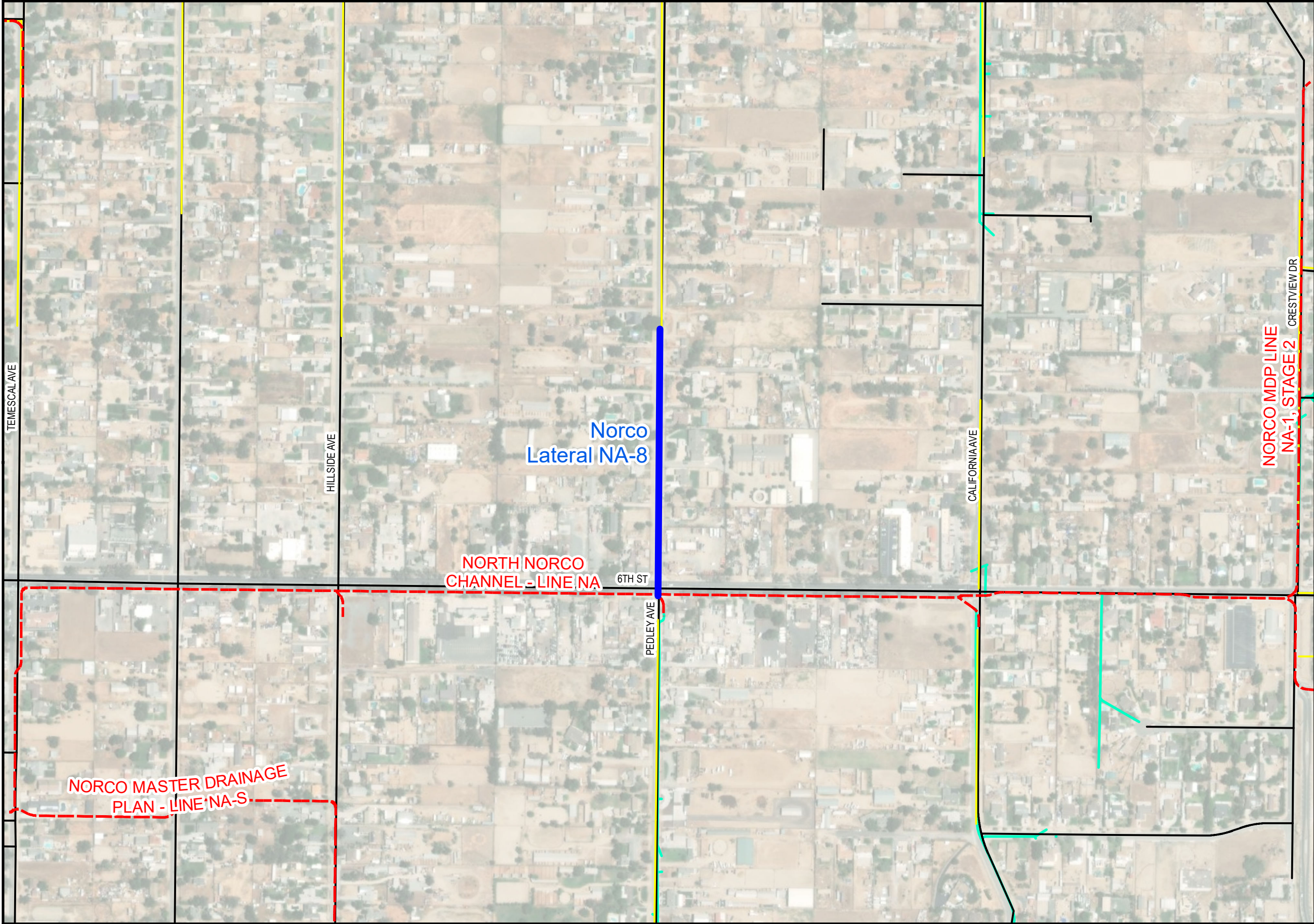
This is a City of Norco-led project to reduce street flooding on California Avenue. The proposed underground storm drain would consist of approximately 600 feet of 24-inch maximum diameter pipe collecting flows and conveying them from north to south within California Avenue and outlet into the existing Line N-1 storm drain located within 7th Street.

Legend

- Norco Lateral N-1G
- Existing Below Ground District Facilities
- Existing Facilities Area
- Other Budgeted CIP Facilities
- Un-budgeted District Facilities
- City Facilities
- City Boundary
- FEMA Floodplain

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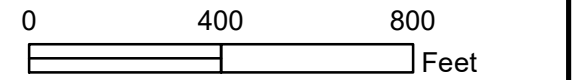
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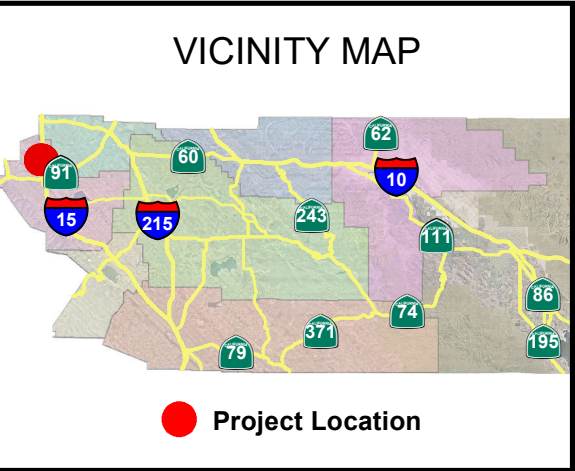
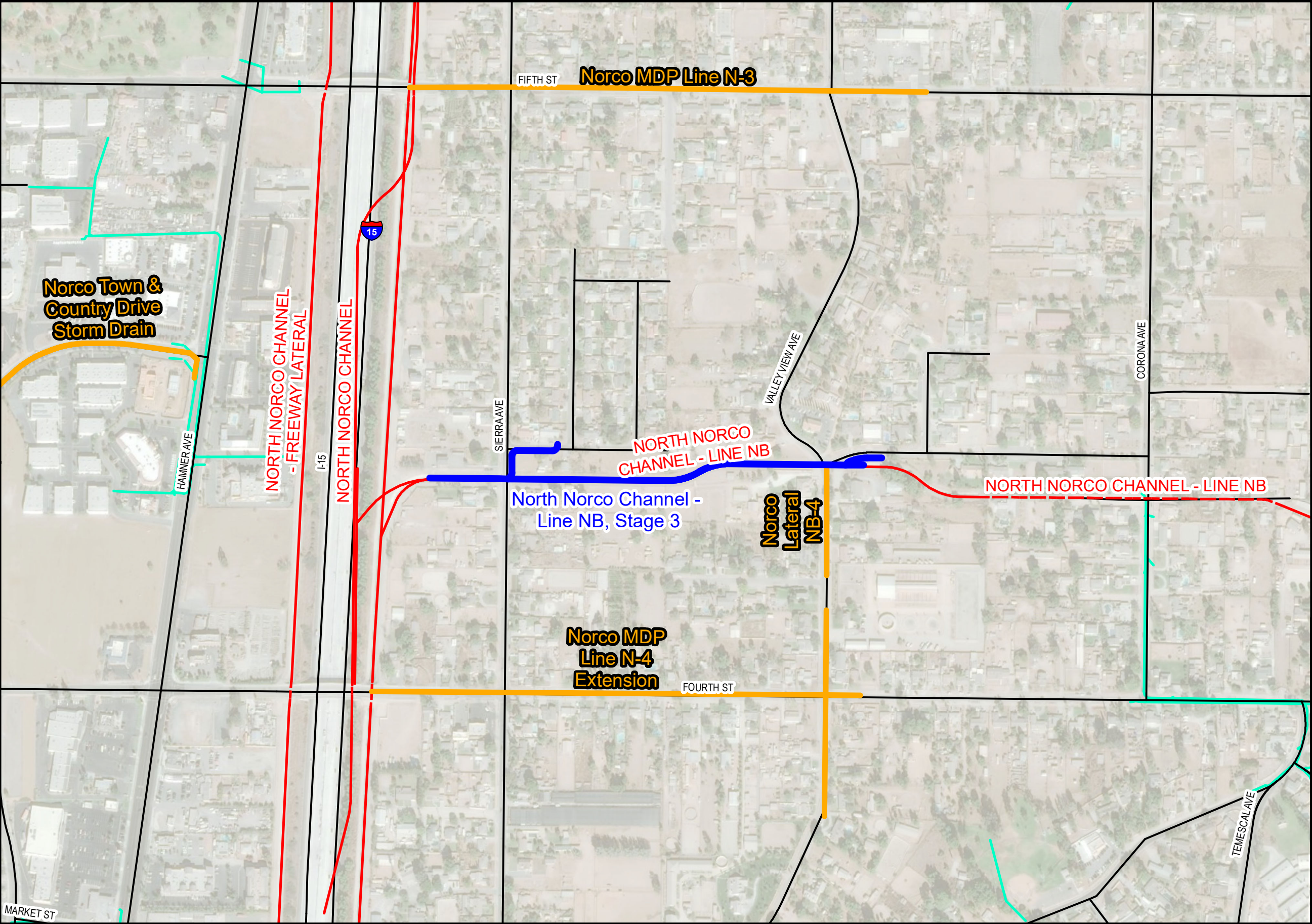


Description

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 feet of 36-inch 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.

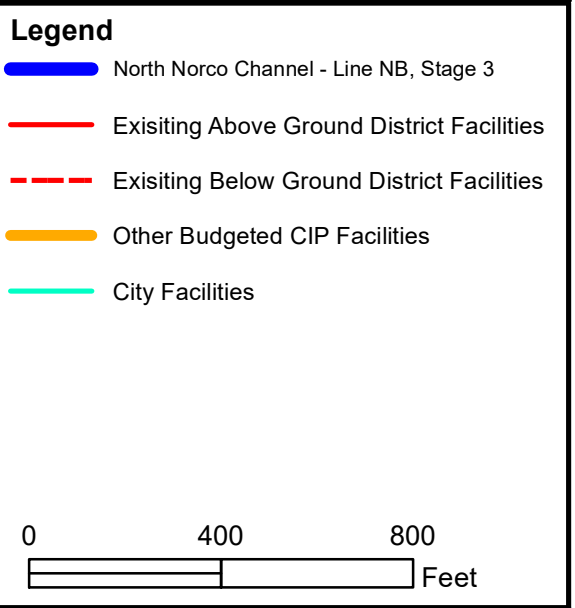
- ### Legend
- Norco Lateral NA-8
 - - - Existing Below Ground District Facilities
 - Un-budgeted District Facilities
 - City Facilities

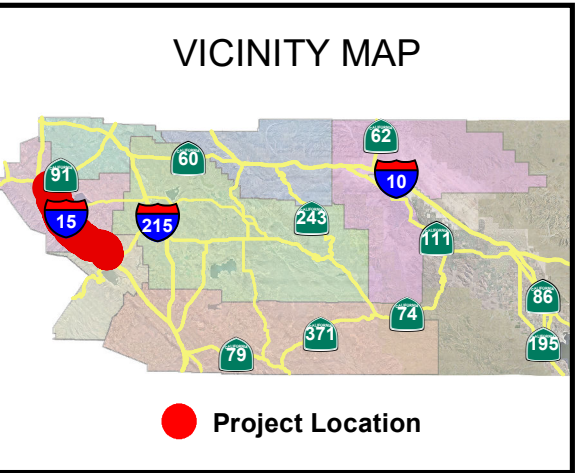
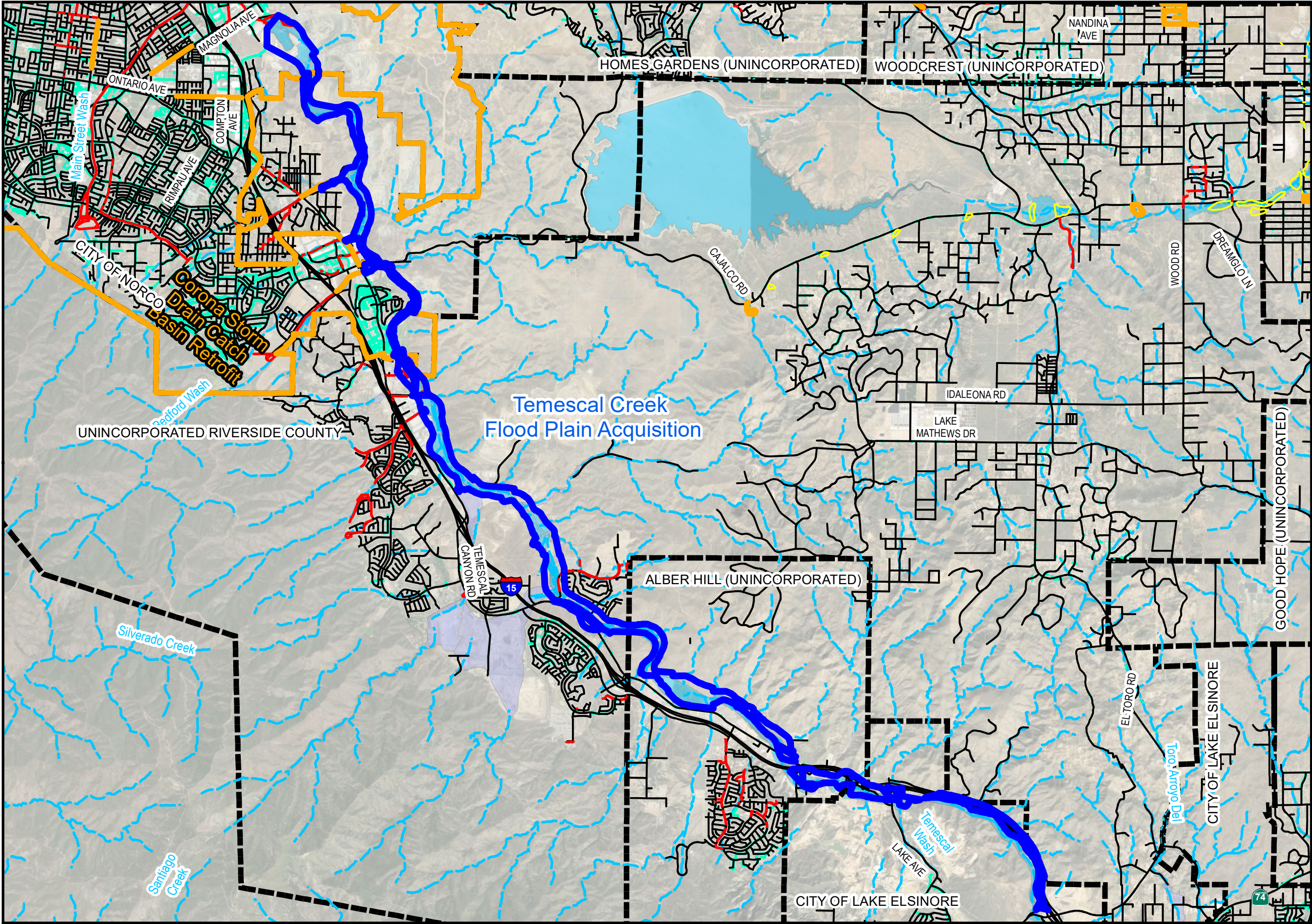




Description

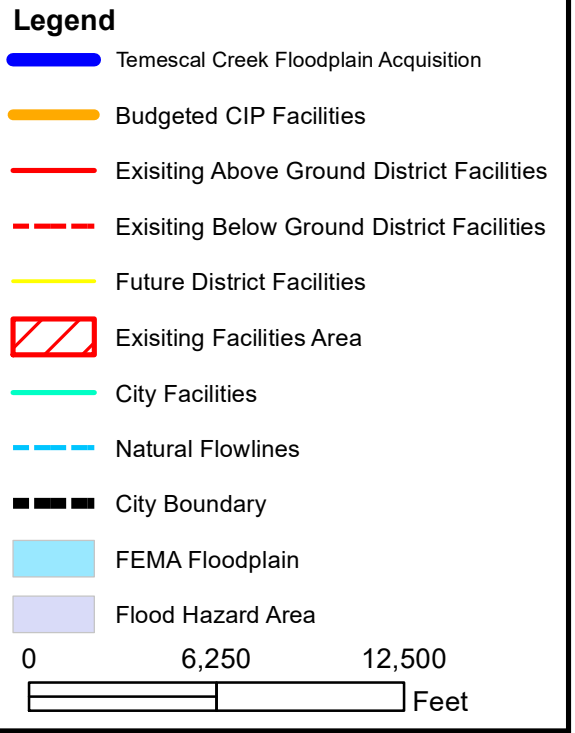
This is a District-led project to replace approximately 1,800 feet of existing interim earthen channel with an open concrete trapezoidal and rectangular channel that will provide 100-year flood protection to the community near the channel between Valley View Avenue and Sierra Avenue. The project will collect flows from the existing improved portion of Line NB upstream (east) of Valley View Avenue and conveying them westerly in an upgraded channel until they are discharged into the existing North Norco Channel on the east side 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.





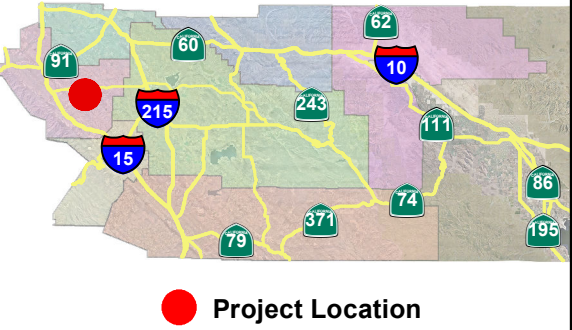
Description

This is a District-led project to identify and acquire up to 541 acres worth of parcels from willing sellers along the Temescal Canyon Wash that are subject to flood hazards. The approximate limits of the acquisition are between Magnolia Avenue to the north and Lake Street to the south along the Temescal Creek. This is a non-structural flood hazard mitigation program with the potential to preserve or restore the natural habitat, improve water quality, recharge ground water aquifers and/or provide recreational opportunities.





VICINITY MAP

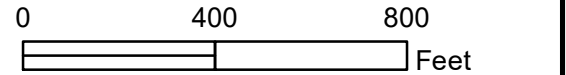


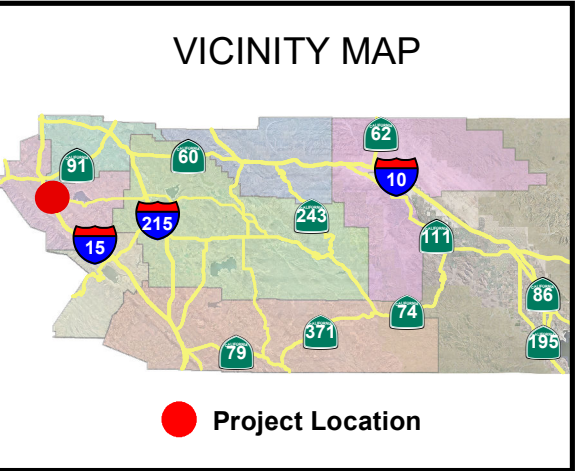
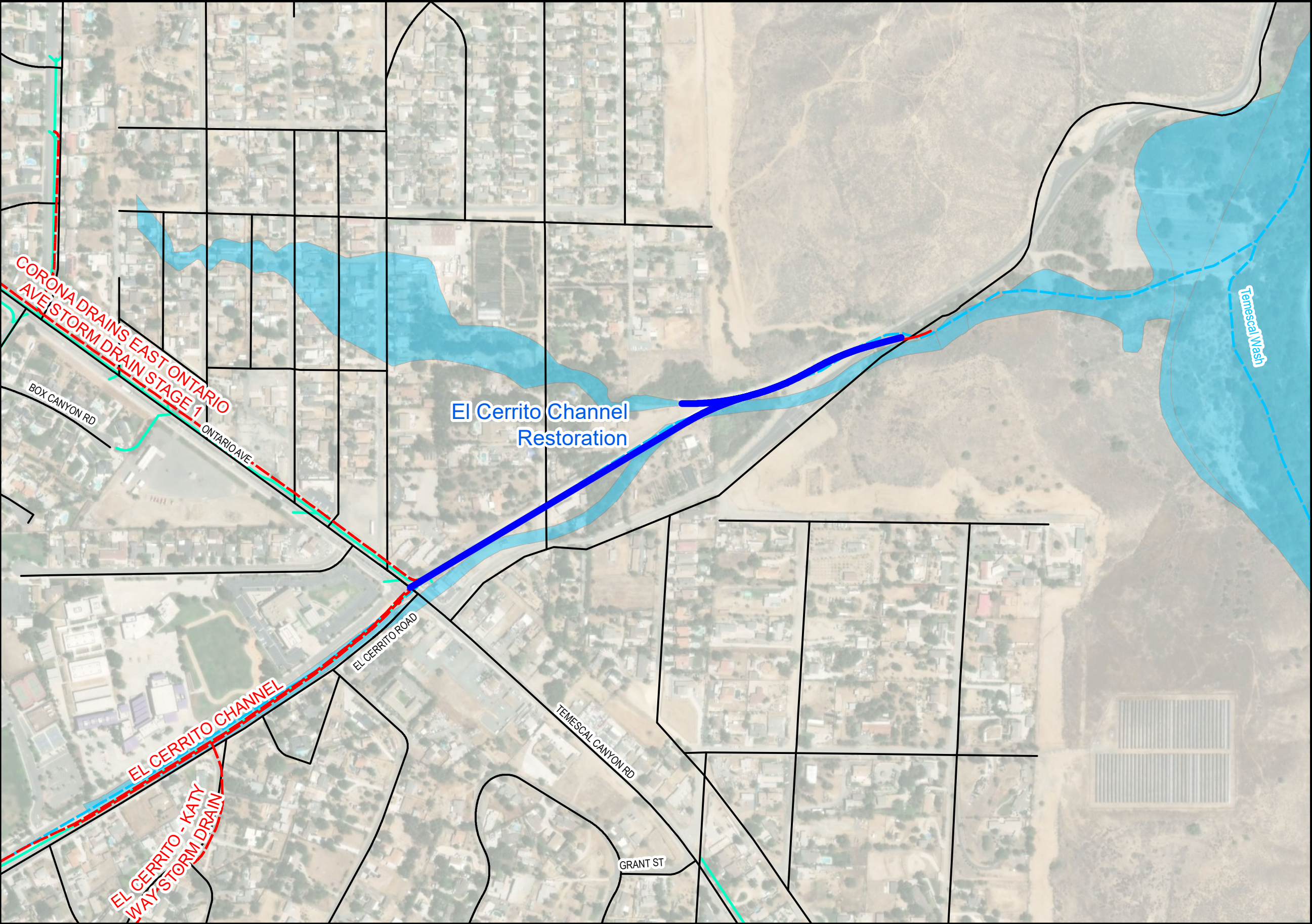
Description

This is a District-led project to reduce street and residential flooding near Cajalco Road in the Lake Mathews area. The project consists of an upstream sediment basin as part of the Metropolitan Water District (MWD) Lake Mathews Water Quality Master Plan and 615 feet of 72-inch diameter reinforced concrete pipe conveying water from the basin north across Cajalco Road and discharging to the natural waterway. The District and MWD will be responsible for operation and maintenance of the facility.

Legend

- Lake Mathews - Cajalco Road Storm Drain
- Un-budgeted District Facilities
- City Facilities
- Natural Flowlines
- Flood Hazard Area





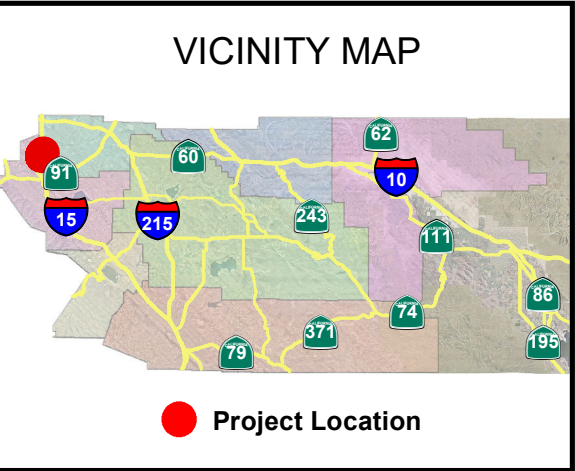
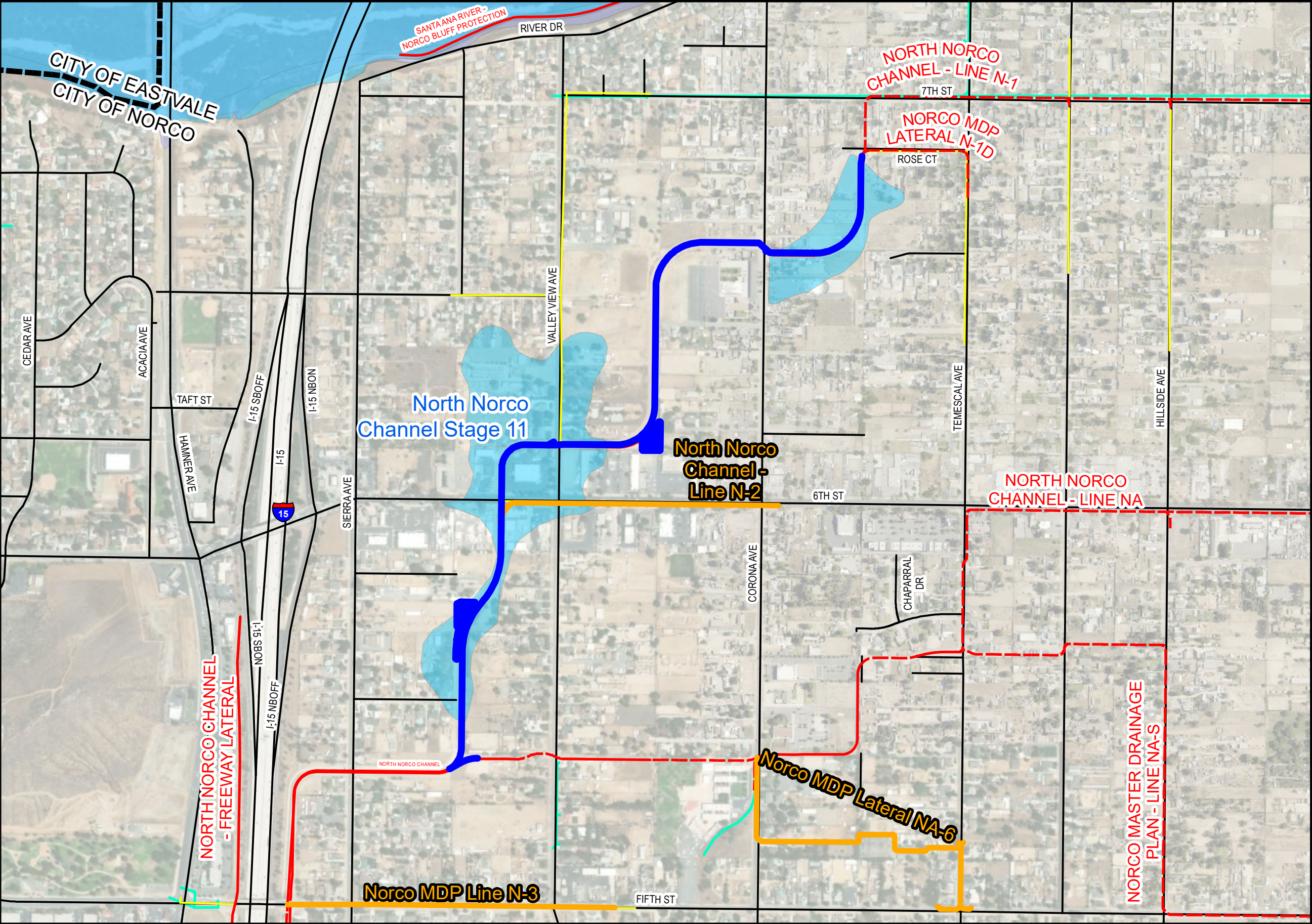
Description

This District-led project replaces approximately 2,300 feet of existing concrete trapezoidal channel with higher capacity reinforced concrete box and concrete rectangular channel of varying dimensions. The primary objective is to provide 100-year flow capacity within the proposed facility and remove the existing Federal Emergency Management Agency (FEMA) floodplain. The project collects flows from two existing storm drain systems at the El Cerrito Road-Temescal Canyon Road/Ontario Avenue intersection and conveys the water northeasterly to Temescal Creek. The District will be responsible for operation and maintenance of the project improvements.

Legend

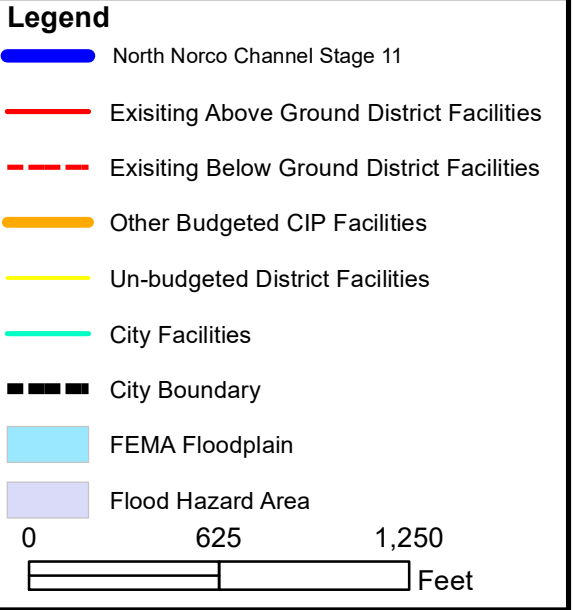
- El Cerrito Channel Restoration
- Existing Above Ground District Facilities
- Existing Below Ground District Facilities
- County Facilities
- Natural Flowlines
- FEMA Floodplain

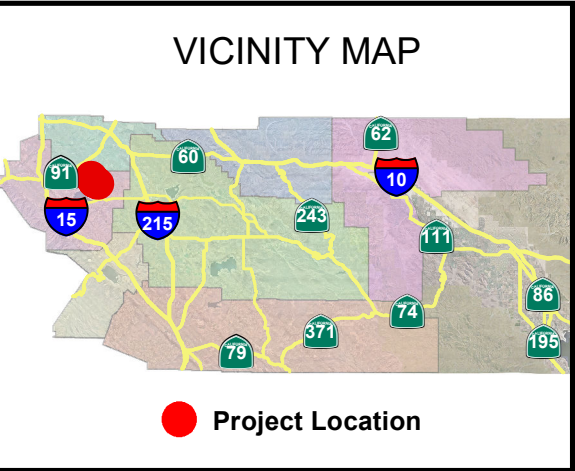
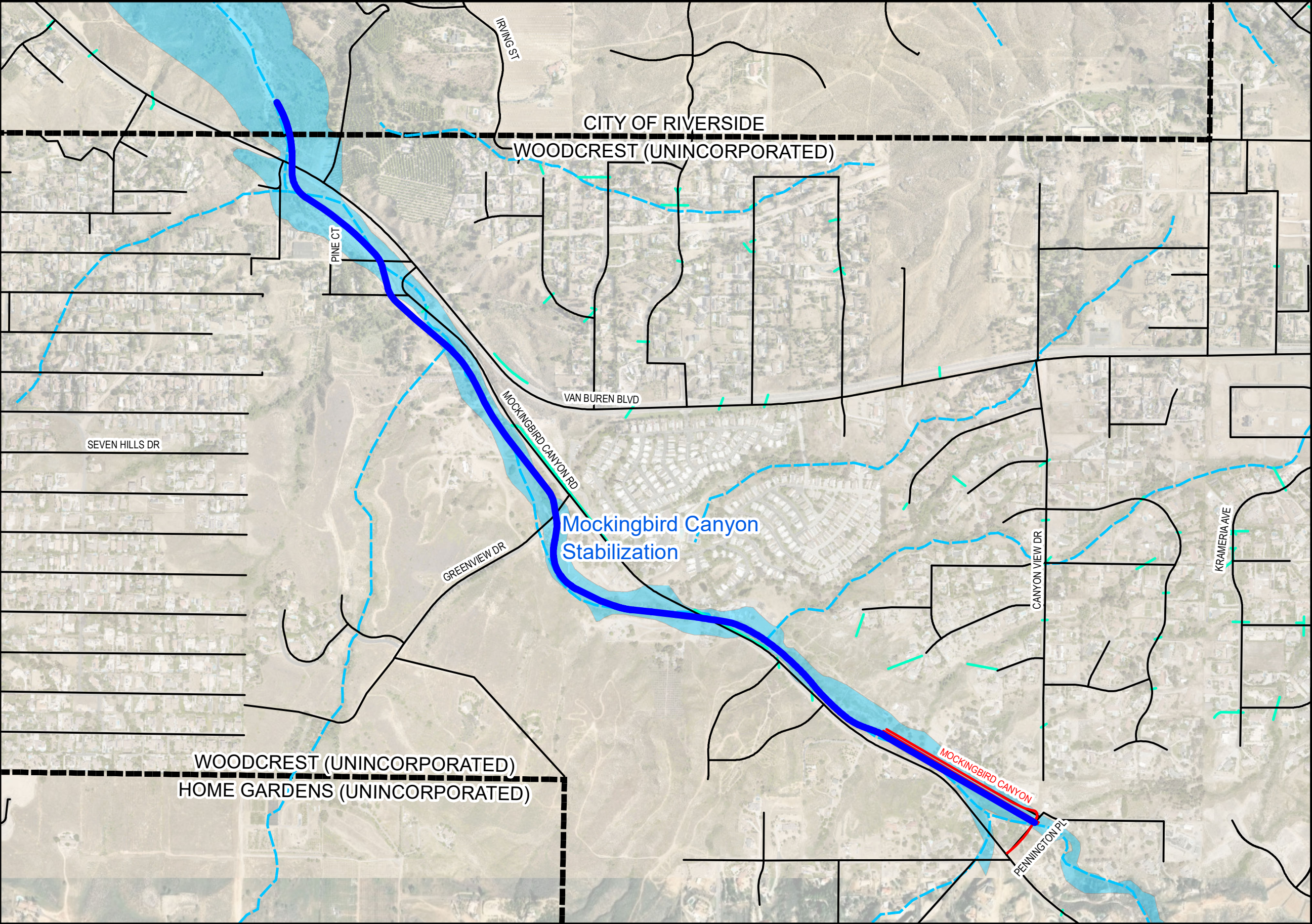
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Description

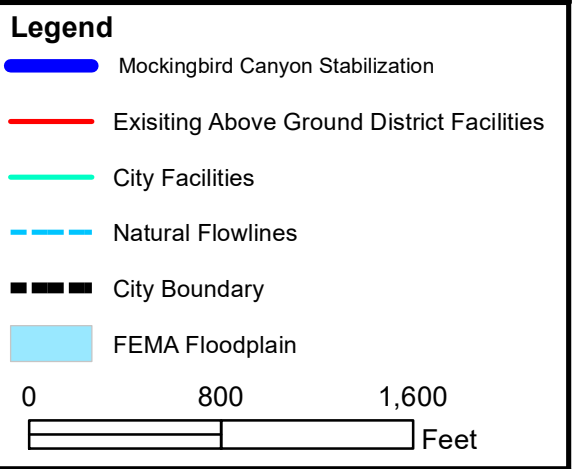
This District-led project will replace an interim existing earthen channel with a higher capacity concrete-lined channel that can safely contain and convey the 100-year flow, thereby significantly reducing the floodplain along the channel. The mainline will include approximately 5,900 feet of trapezoidal and rectangular channel and will replace culverts under three street crossings (Corona Avenue, Valley View Avenue and Sixth Street). Stage 11 collects flows from the existing North Norco Channel Line N-1 storm drain at the westerly end of Rose Court and conveys them southerly to the existing confluence with North Norco Channel Line NA northwest of Valley View Avenue and Fifth Street. The project will also construct two water quality basins to reduce runoff pollutants from adjacent land. The District is to include sewer and waterline utility relocations in the construction contract on behalf of the City of Norco. The District will be responsible for operation and maintenance of the storm drain improvements.

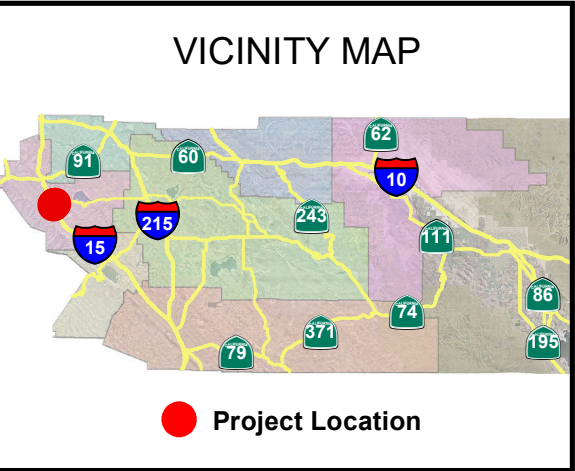
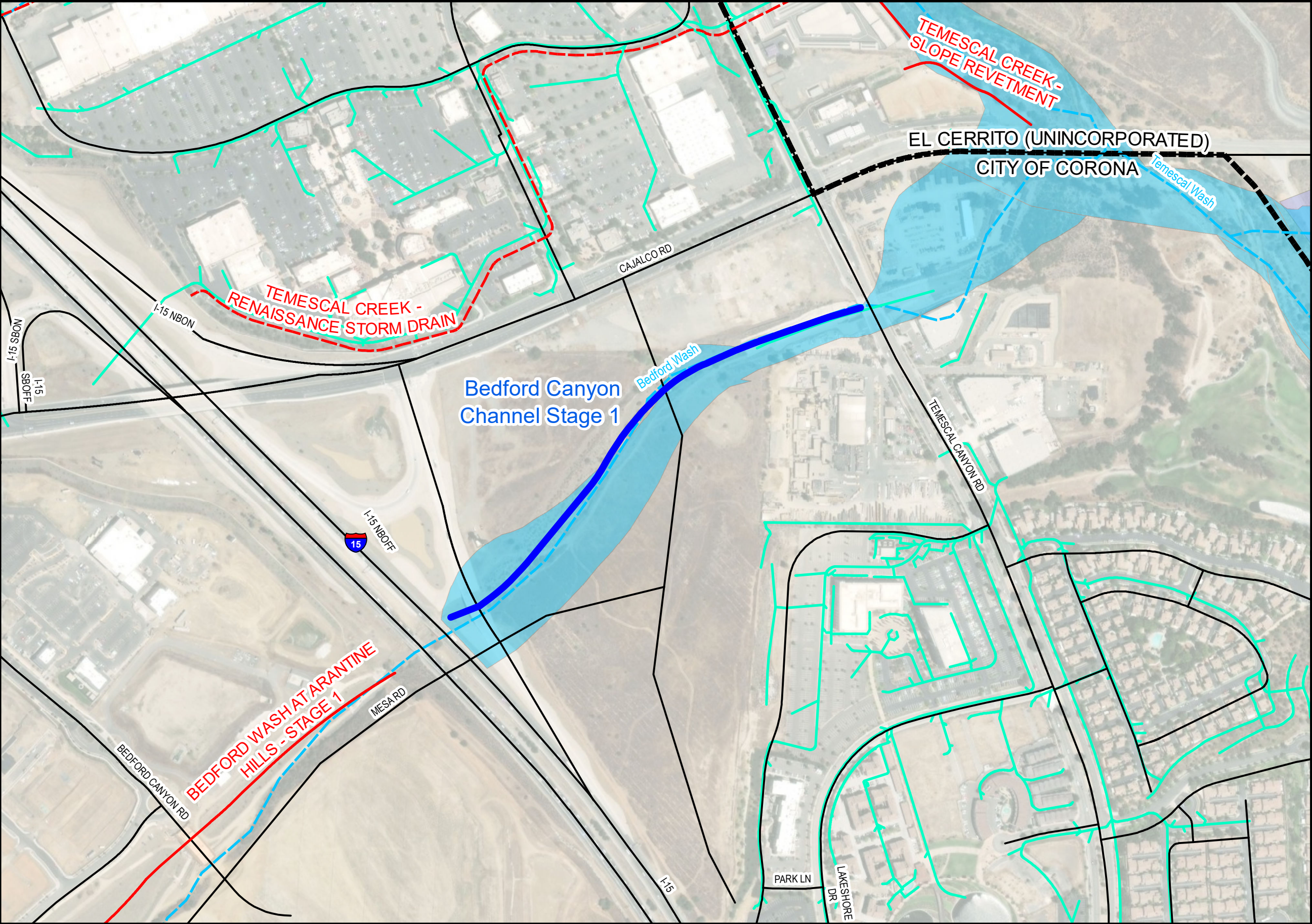




Description

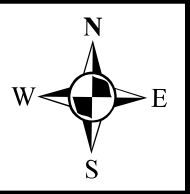
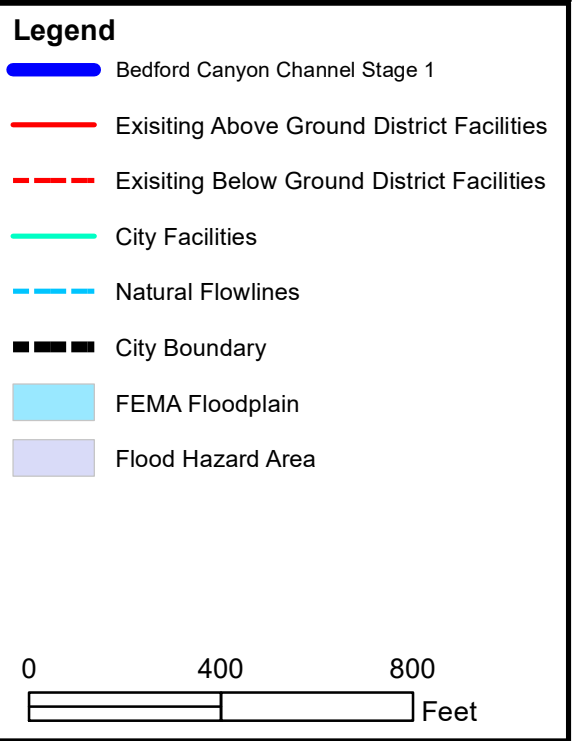
This District-led project contains roughly two miles of improvements along Mockingbird Canyon Wash. The primary objective for this project is to construct improvements that will stabilize Mockingbird Canyon Wash and reduce sediment transport and erosion that can both risk damage to public infrastructure and adjacent residences. The portion of the wash that will be stabilized begins at the Pennington Place bridge crossing and traverses downstream (northwest) parallel to Mockingbird Canyon Road to where the wash crosses under Van Buren Boulevard near Pine Court. The drainage improvements are anticipated to consist of soil cement/rock-armoring bank protection and grade control structures. The project also includes two new crossings, one at Greenview Drive and another downstream (location to be determined) for additional residential access. The project will also replace the existing Pennington Place bridge. The project will also provide opportunity for a future trail system that could be established by other entities. The District will be responsible for operation and maintenance of the facility (not including future trails).



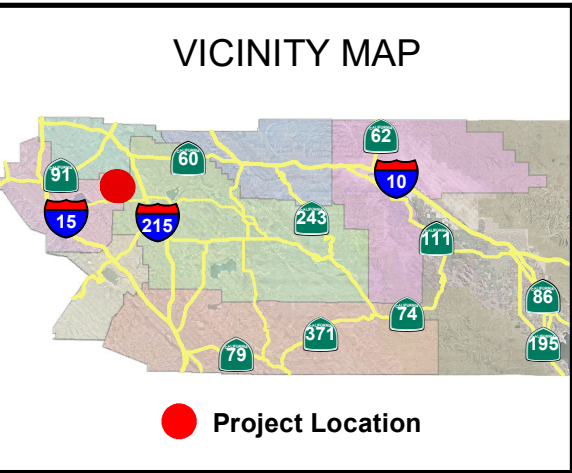
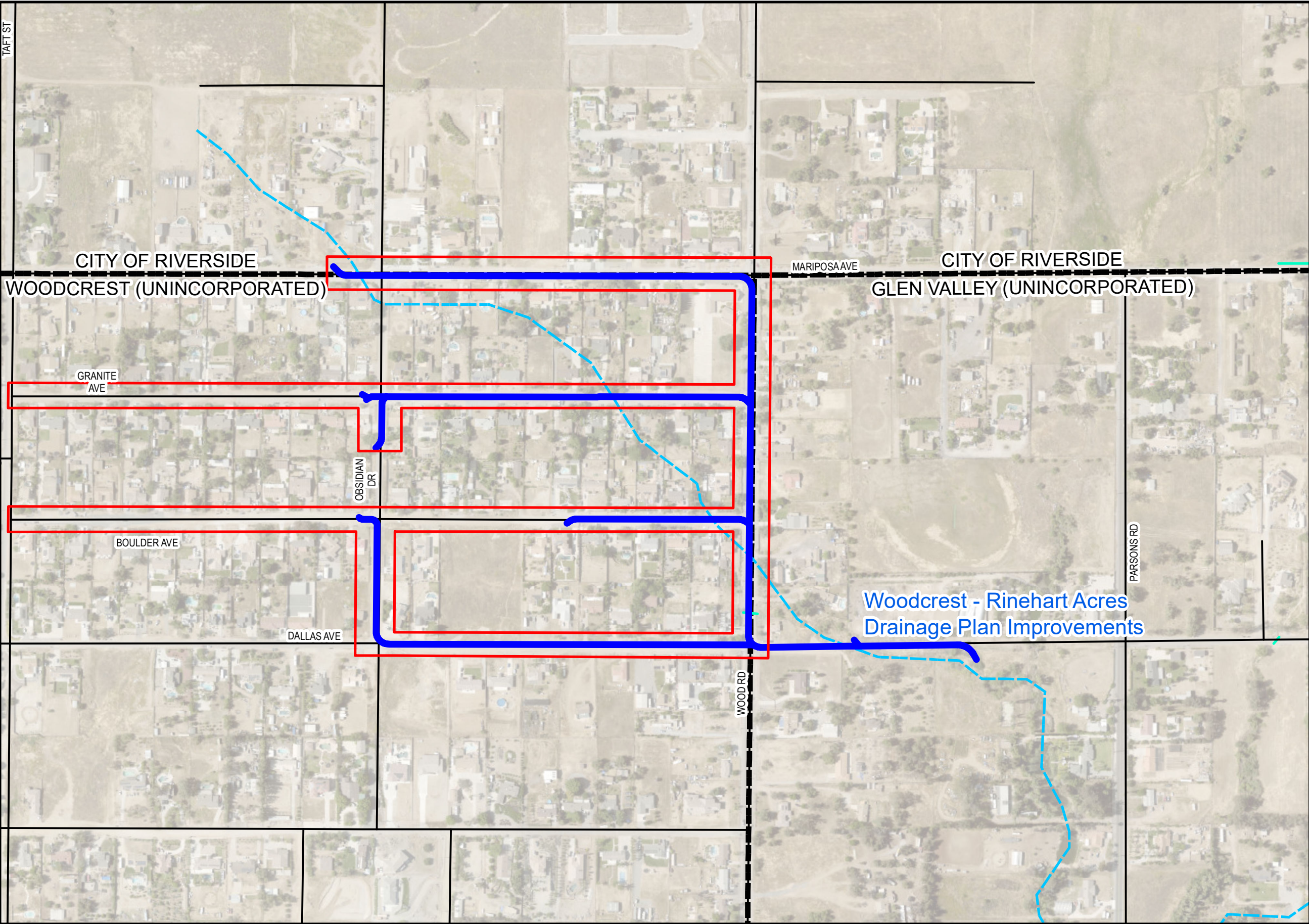


Description

This District-led project proposes to improve approximately 2,000 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 from Interstate 15 northbound freeway to an existing culvert under Temescal Canyon Road in a manner 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 will be responsible for operation and maintenance of the channel.



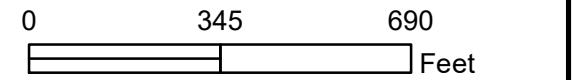
Project No.	2-8-00253-01
Engineer	M. Sethi
Date Created	6/26/2023

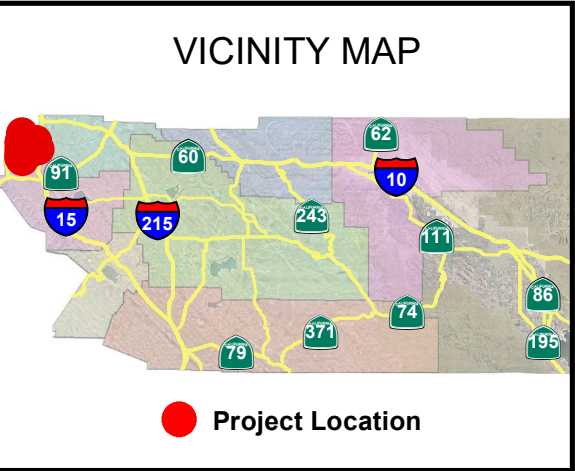
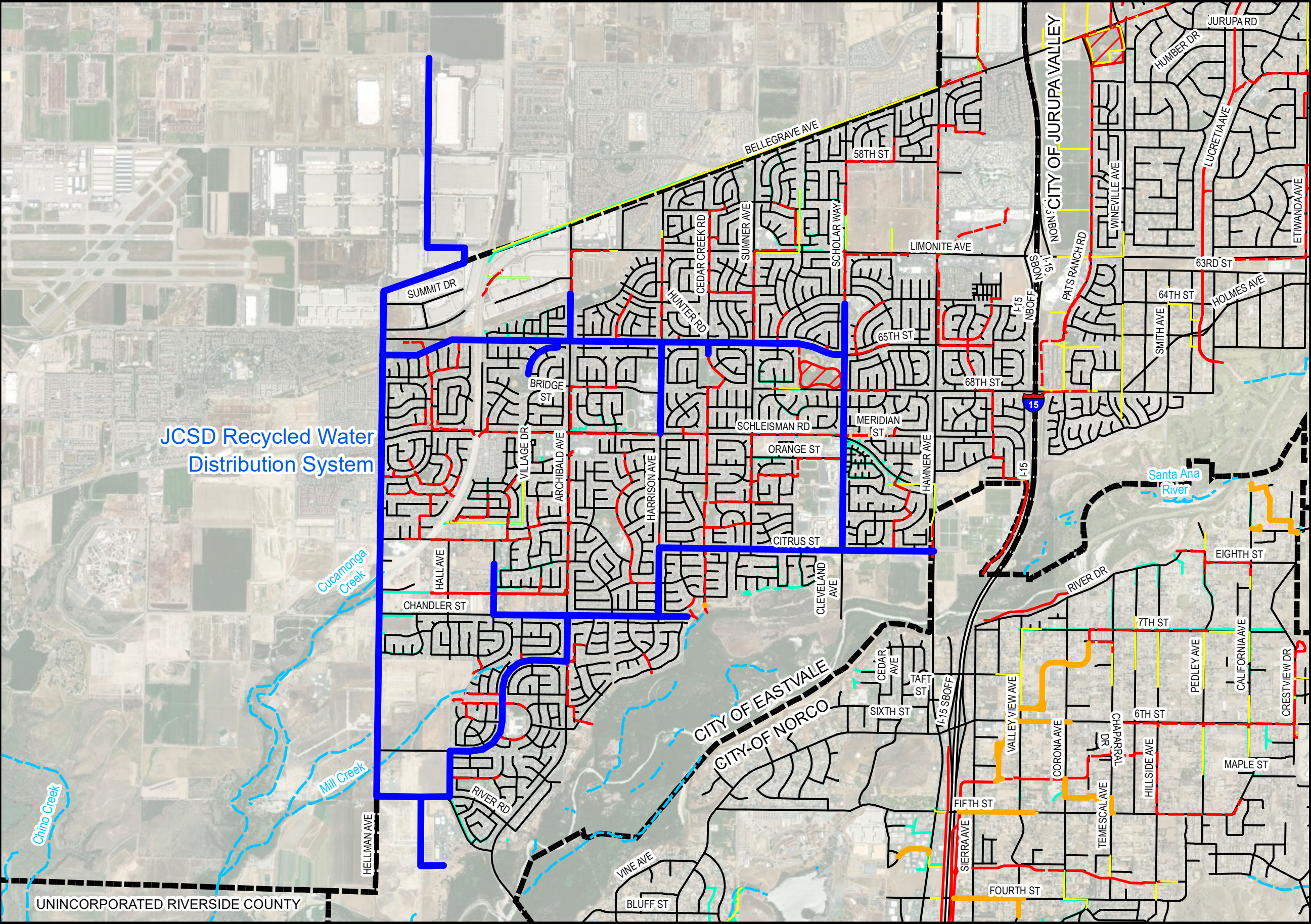


Description

This is a District-led project to reduce street and community flooding in the Woodcrest Rinehart-Acres subdivision. The project consists of 10,250 feet of drainage-related street improvements and 8,000 feet of a reinforced concrete pipe storm drain system ranging in diameter from 18 inches to 66 inches to convey flows from the streets of Mariposa Avenue, Granite Avenue, Boulder Avenue, Dallas Avenue, Obsidian Drive, and Wood Road to their natural outlet in the 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 will be responsible for operation and maintenance of the mainline storm drain facility, and the County of Riverside will maintain the street improvements and drainage inlets.

- Legend**
- Woodcrest - Rinehart Acres Drainage Plan Improvements
 - City Facilities
 - Natural Flowlines
 - City Boundary
 - Street Improvements
 - Road Centerlines

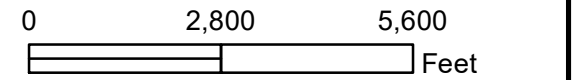




Description

This is a Jurupa Community Services District (JCSD)-led project for a regional solution to enhance reclaimed water use and distribution with approximately 31,600 feet of 24-inch pipe throughout Eastvale. The reclaimed water will be used in Eastvale and within JCSD service areas. JCSD will be responsible for operation and maintenance of the facility.

- ### Legend
- JCSD Recycled Water Distribution System
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Existing Facilities Area
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - City Facilities
 - Natural Flowlines
 - City Boundary



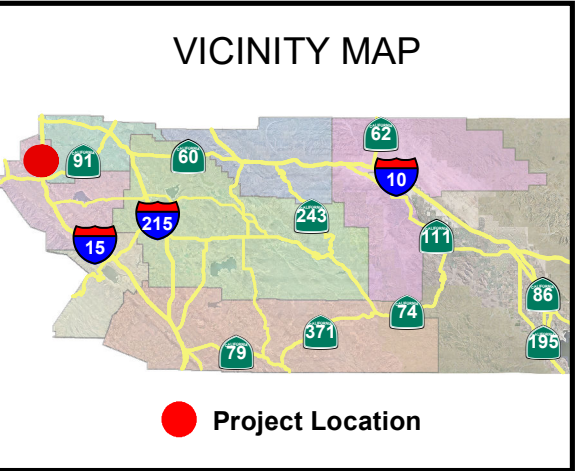
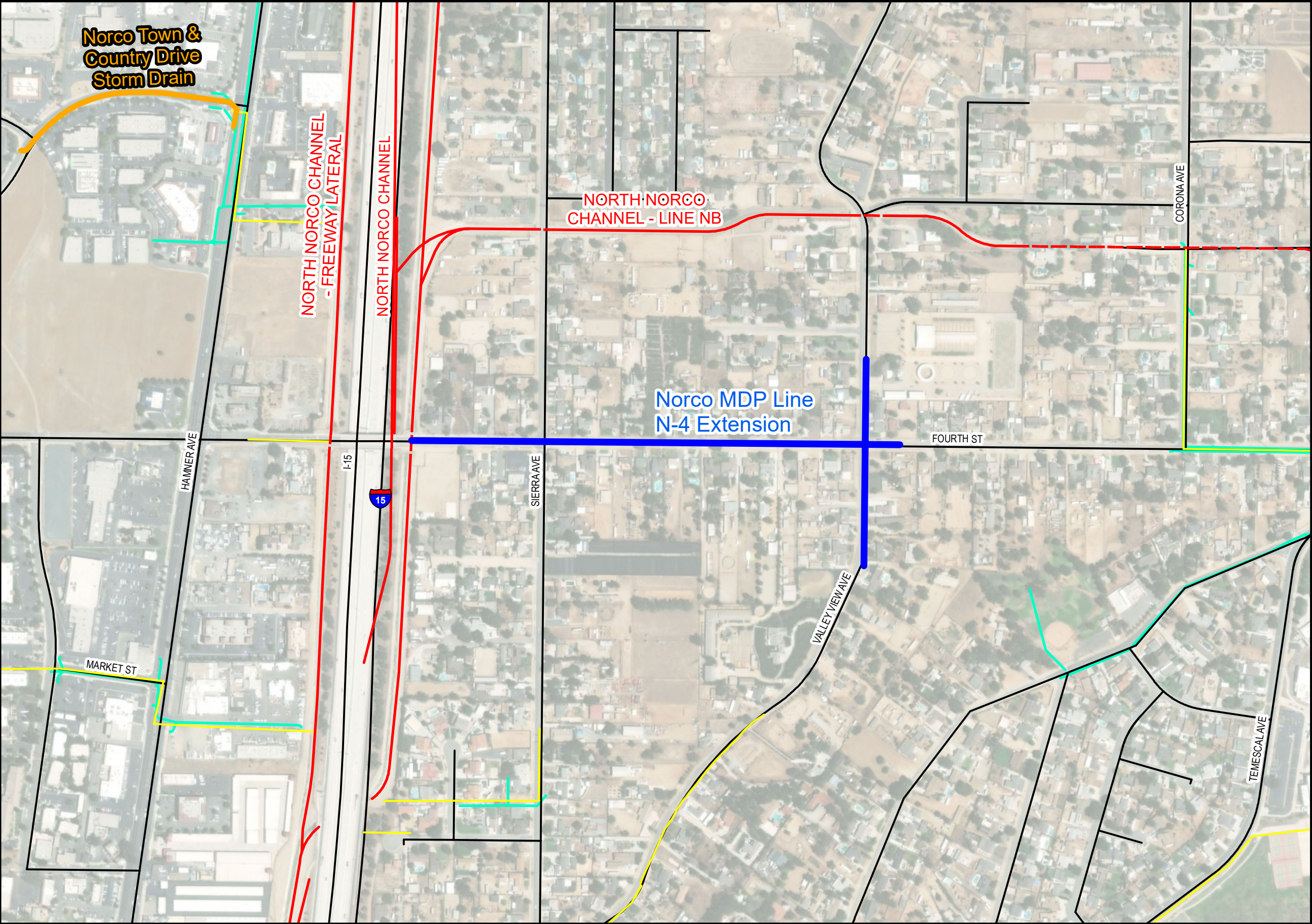
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

JCSD Recycled Water Distribution System

Supervisorial District 2

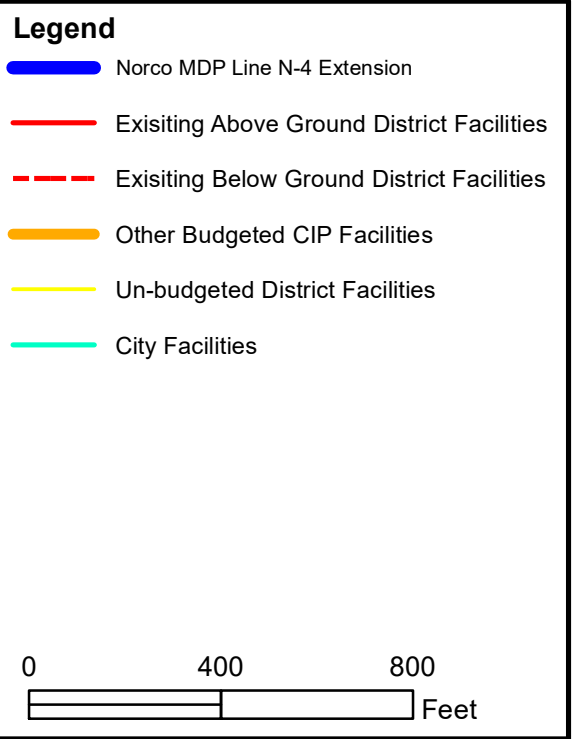


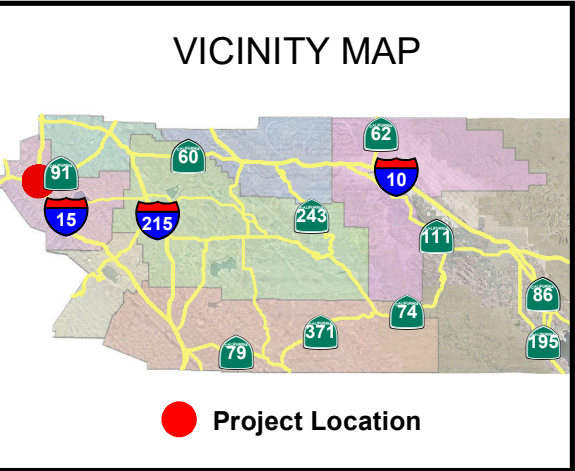
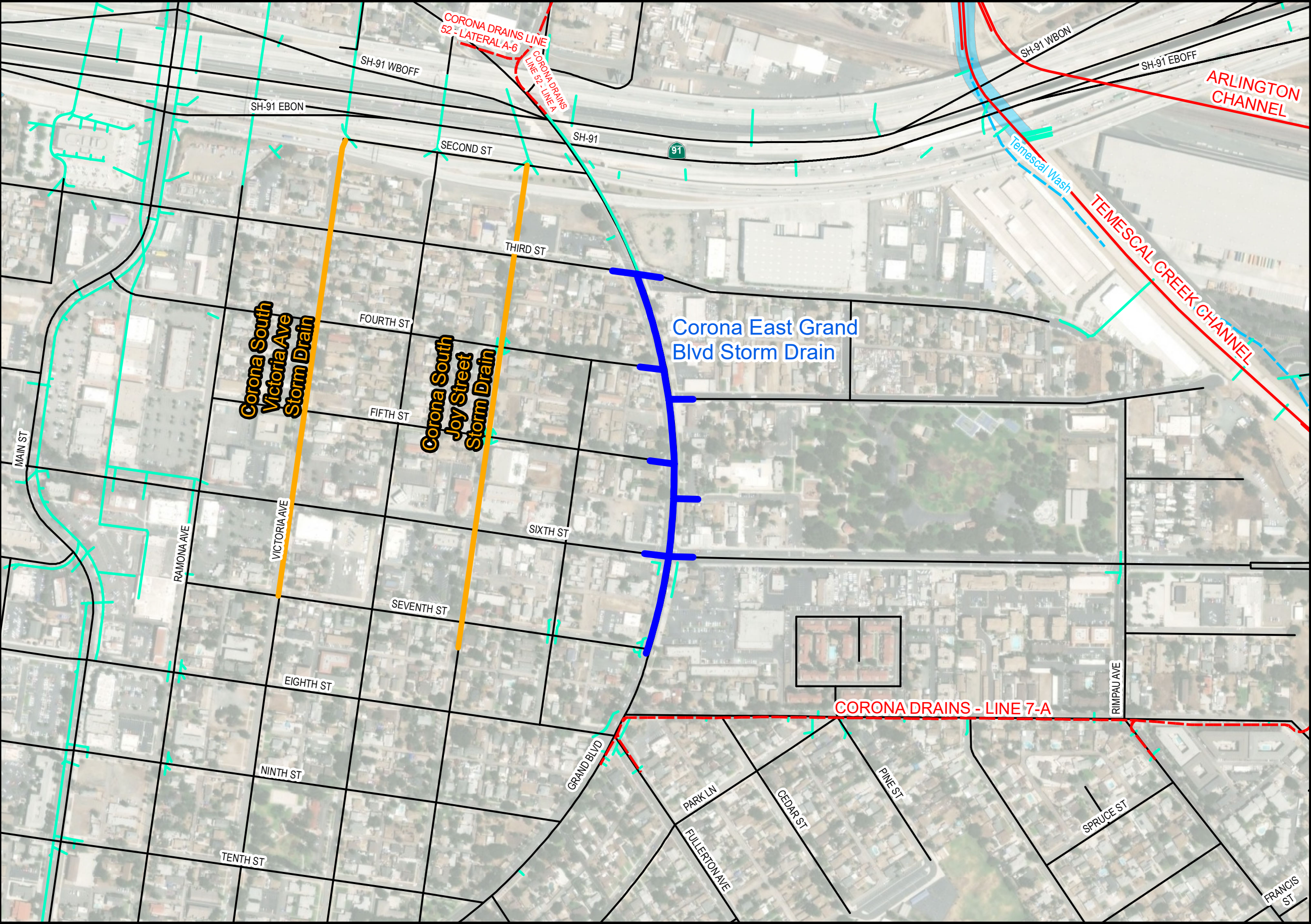
Project No.	2-6-10018-50
Engineer	T. Hanson
Date Created	6/22/2023



Description

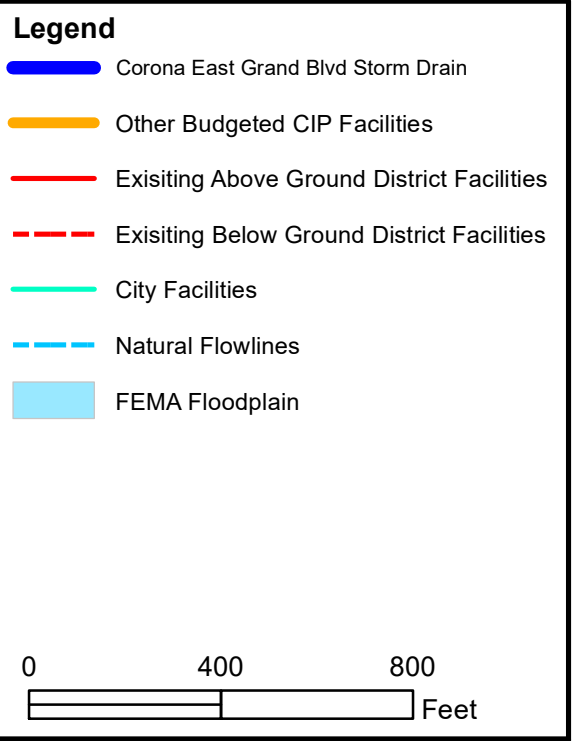
This is a City of Norco-led project to construct 2,900 feet of storm drain ranging from 24 inches to 36 inches in diameter. The project will collect water along Valley View Avenue and 4th Street to convey it westerly toward Interstate 15, out letting into the existing North Norco Channel. This project will reduce street and community flooding along 4th Street and Valley View Avenue. The City of Norco will be responsible for operation and maintenance of the facility.

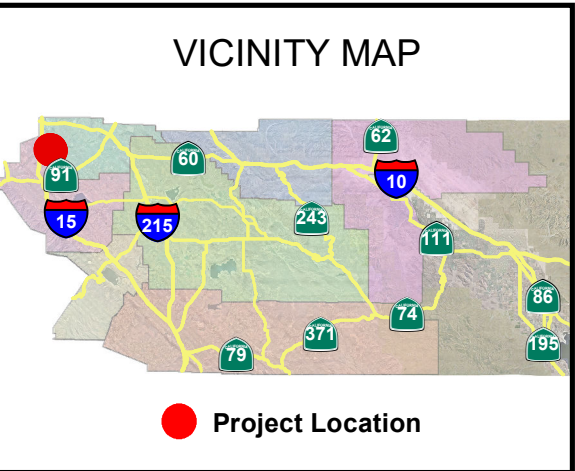
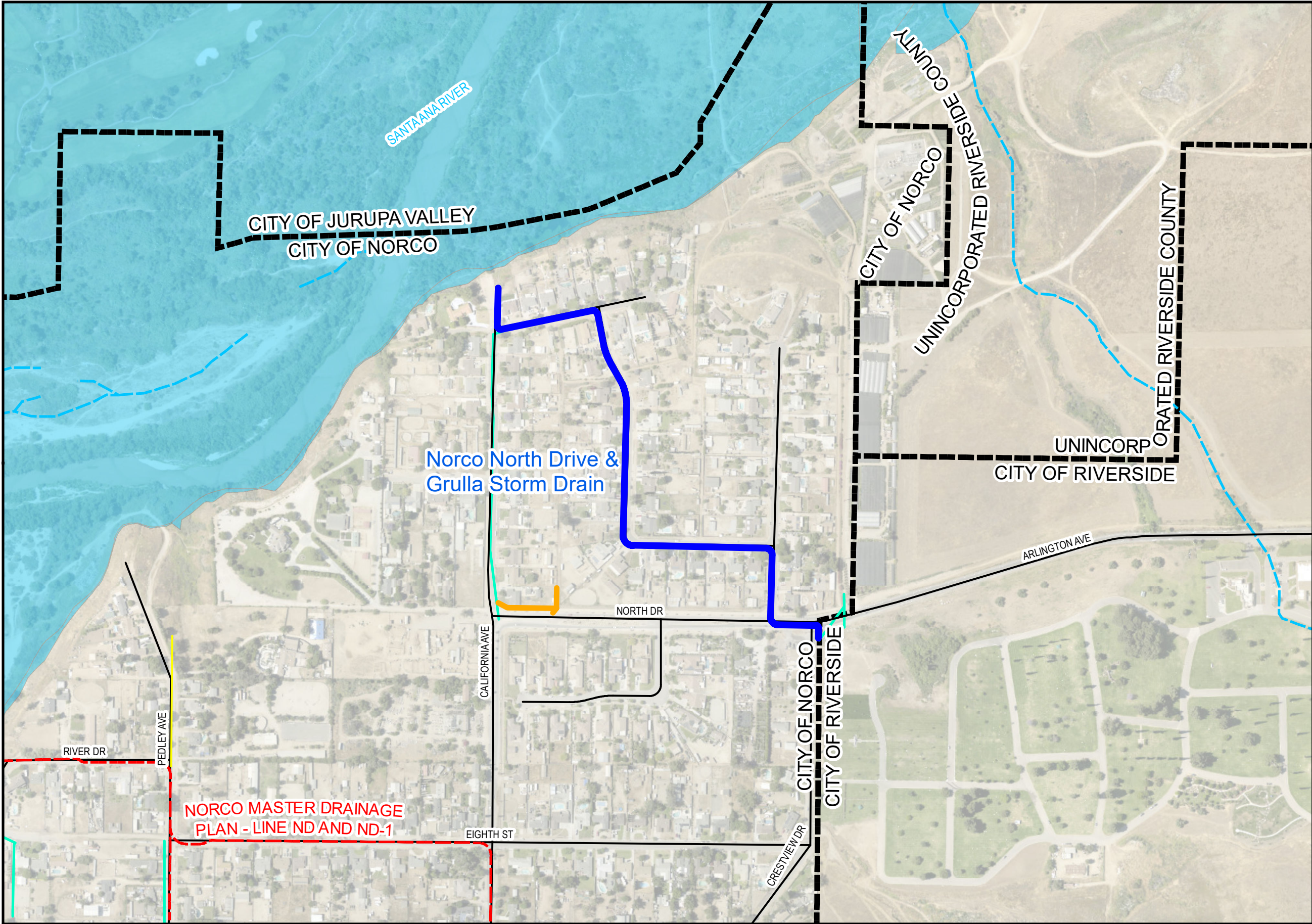




Description

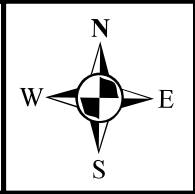
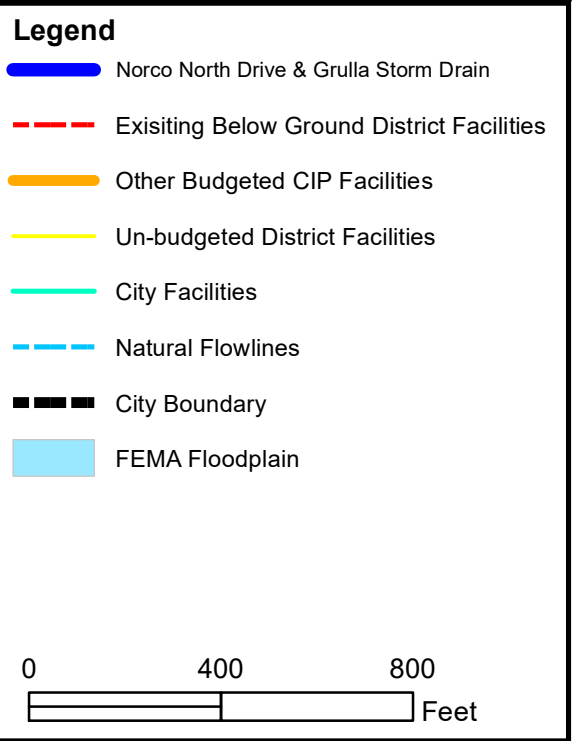
The City of Corona-led project proposes to construct 1,600 feet of 36-inch diameter reinforced concrete pipe. The facility will convey storm flows from Seventh Street to Third Street and tie into the existing Corona Line 52 storm drain. The project will alleviate street flooding experienced along the streets. The City will be responsible for operation and maintenance of the facility.



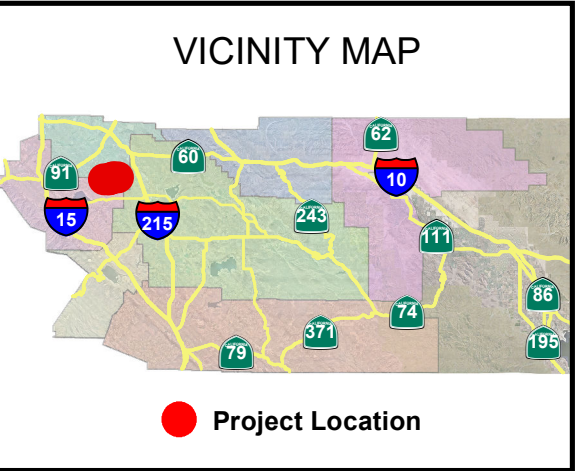
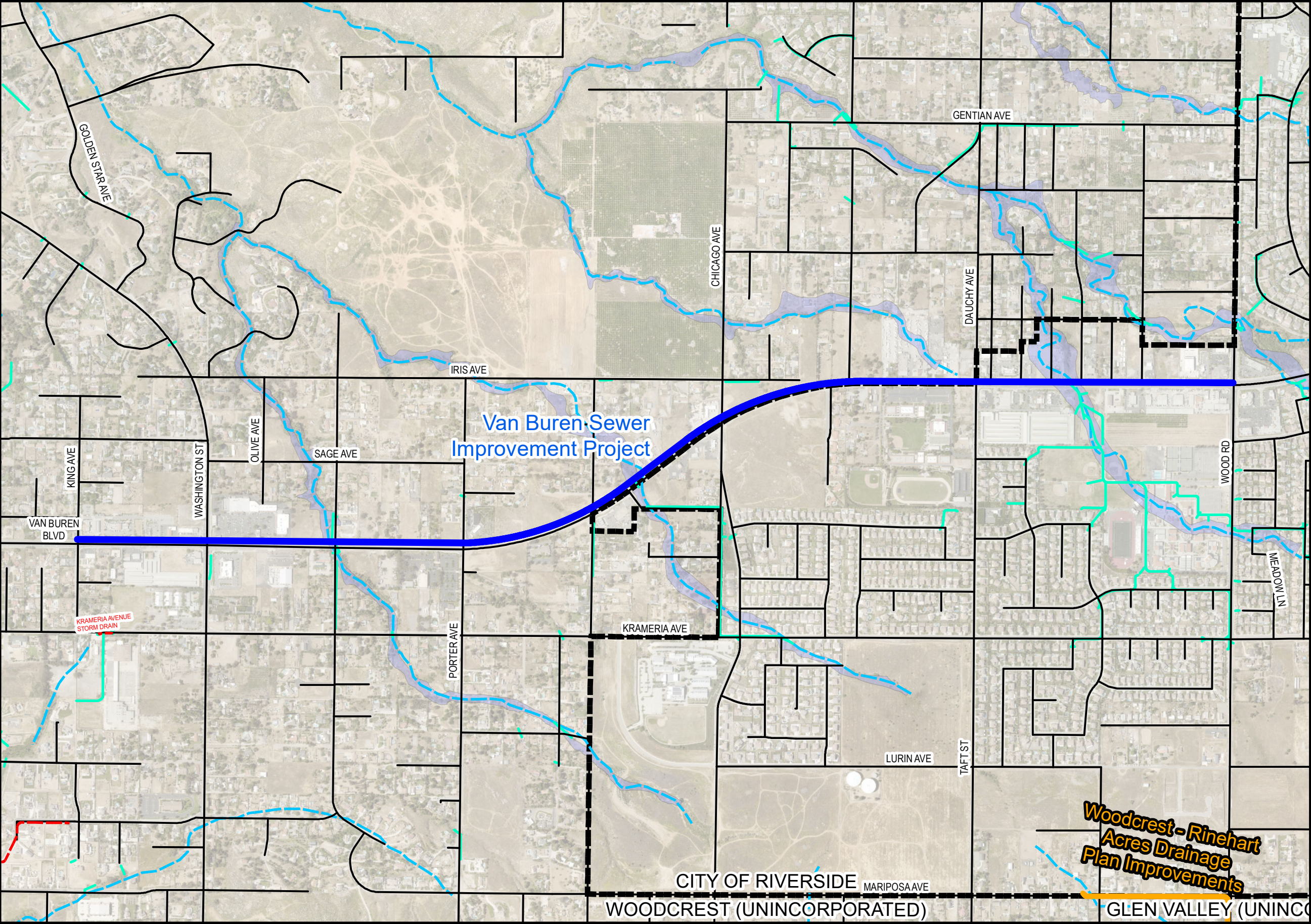


Description

This is a City of Norco-led project to reduce street and community flooding by upgrading an existing facility. It consists of 2,800 feet of storm drain pipe collecting flows from the intersection of Crestview Drive and North Drive and conveying them northwesterly into the Santa Ana River. The City of Norco will be responsible for operation and maintenance of the facility.

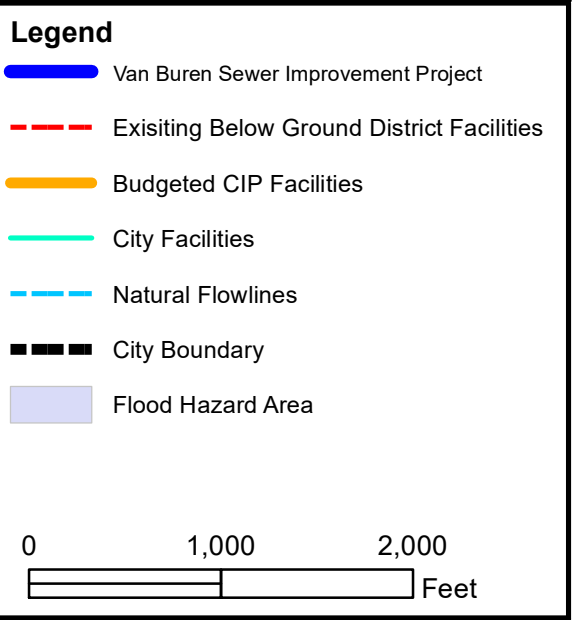


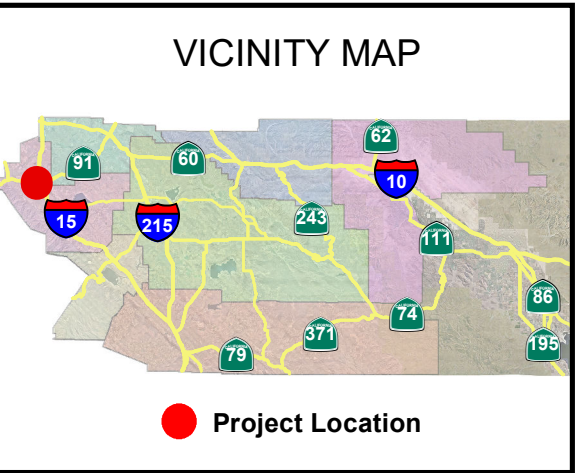
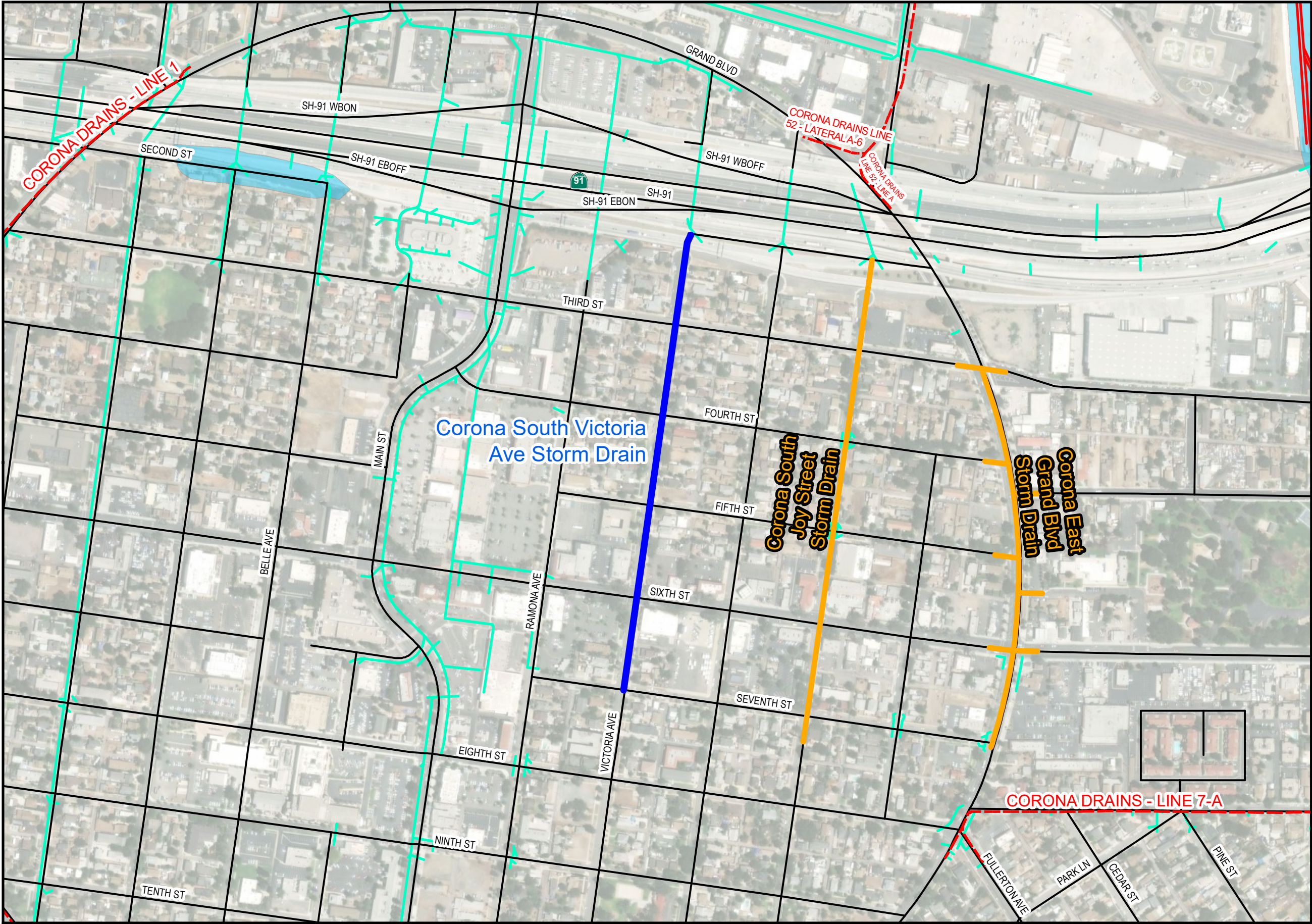
Project No.	2-6-10038-00
Engineer	T. Hanson
Date Created	6/22/2023



Description

This is a District contribution to fund a joint project between the Riverside County Office of Economic Development and the City of Riverside Public Utilities (RPU) to extend the existing RPU sanitary sewer line within Van Buren Boulevard from Wood Road two miles westerly to King Avenue, including a sewer lift station on the northeast corner of Krameria Avenue and Washington Street. This project is anticipated to benefit surface water quality in the surrounding streams and rivers by bringing sewer service to a community that is currently on septic systems in a watershed that is known to have concerns about bacteria leaching into surface water runoff. RPU will be responsible for operation and maintenance of the facility.

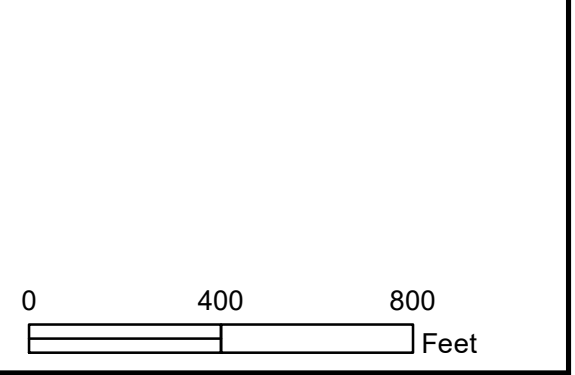




Description

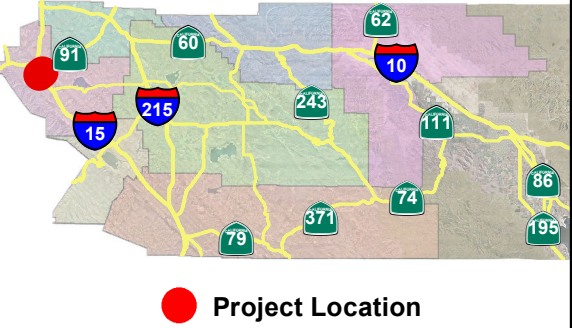
This is a City of Corona-led project to reduce flooding within Victoria Avenue. The project consists of approximately 1,900 feet of 36-inch diameter reinforced concrete pipe proposed to collect and convey runoff from Seventh Street toward an existing culvert crossing the 91 Freeway. The City of Corona will be responsible for operation and maintenance of the facility.

- ### Legend
- Corona South Victoria Ave Storm Drain
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - City Facilities
 - FEMA Floodplain





VICINITY MAP

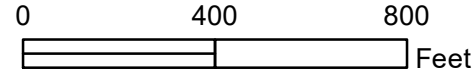


Description

This is a City of Corona-led project to construct a master planned storm drain to provide flood protection to businesses and residences along Magnolia Avenue. The project consists of approximately 3,000 feet of 24-inch to 33-inch diameter underground storm drain. The project will collect runoff at Kellogg Avenue and convey it to the existing City-owned storm drain in Magnolia Avenue ending at Mt. Wilson. The City of Corona will be responsible for operation and maintenance of the facility.

Legend

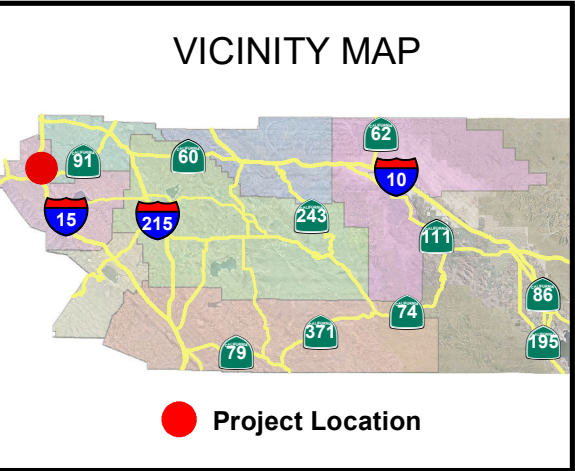
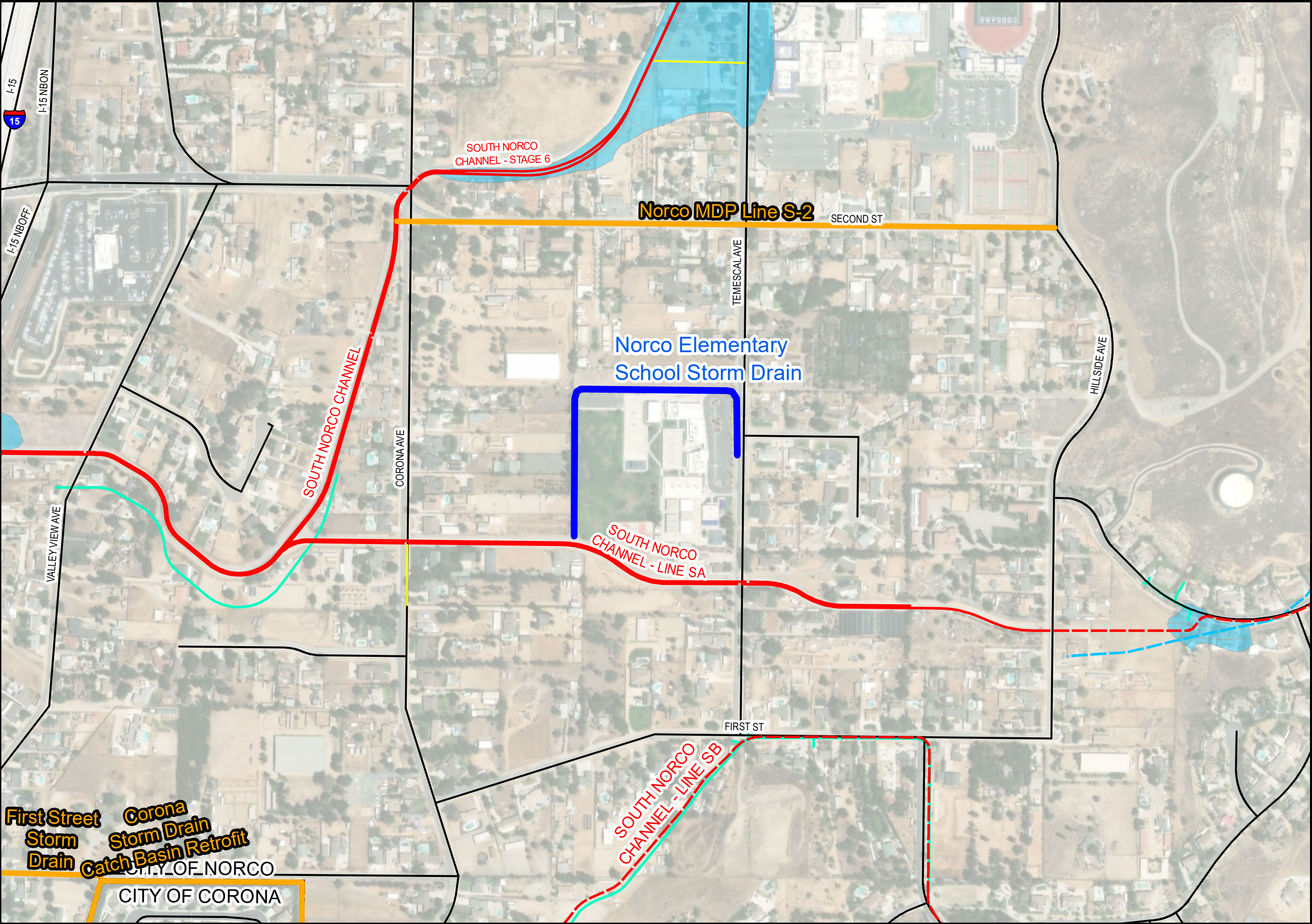
- Corona Drains Line 9A
- Existing Above Ground District Facilities
- Existing Below Ground District Facilities
- City Facilities
- Natural Flowlines



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Corona Drains Line 9A
Supervisory District 2

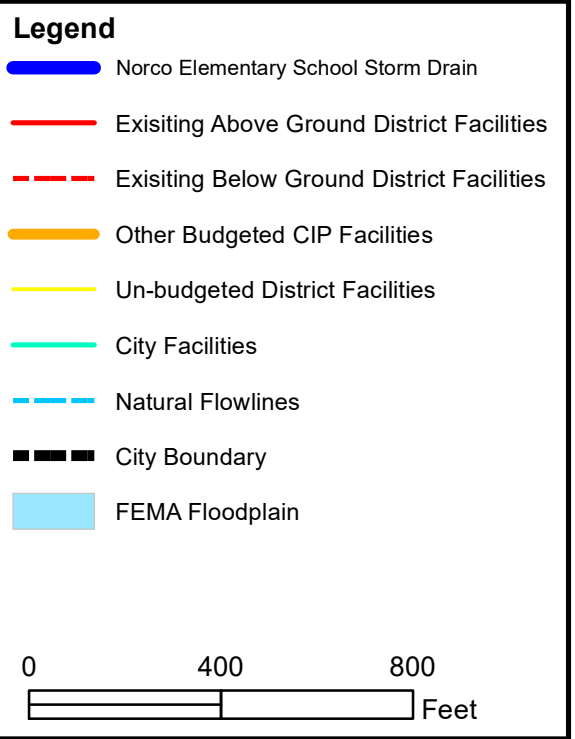


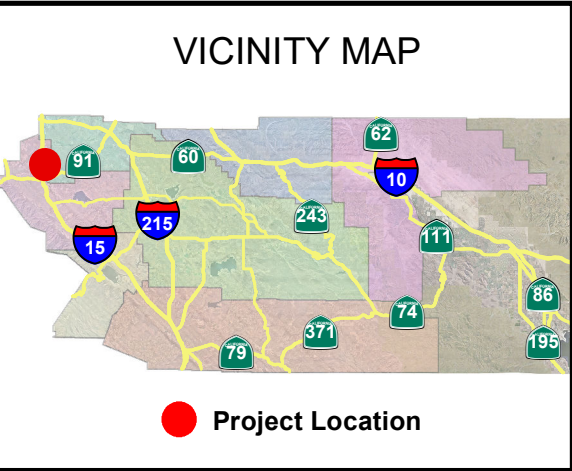
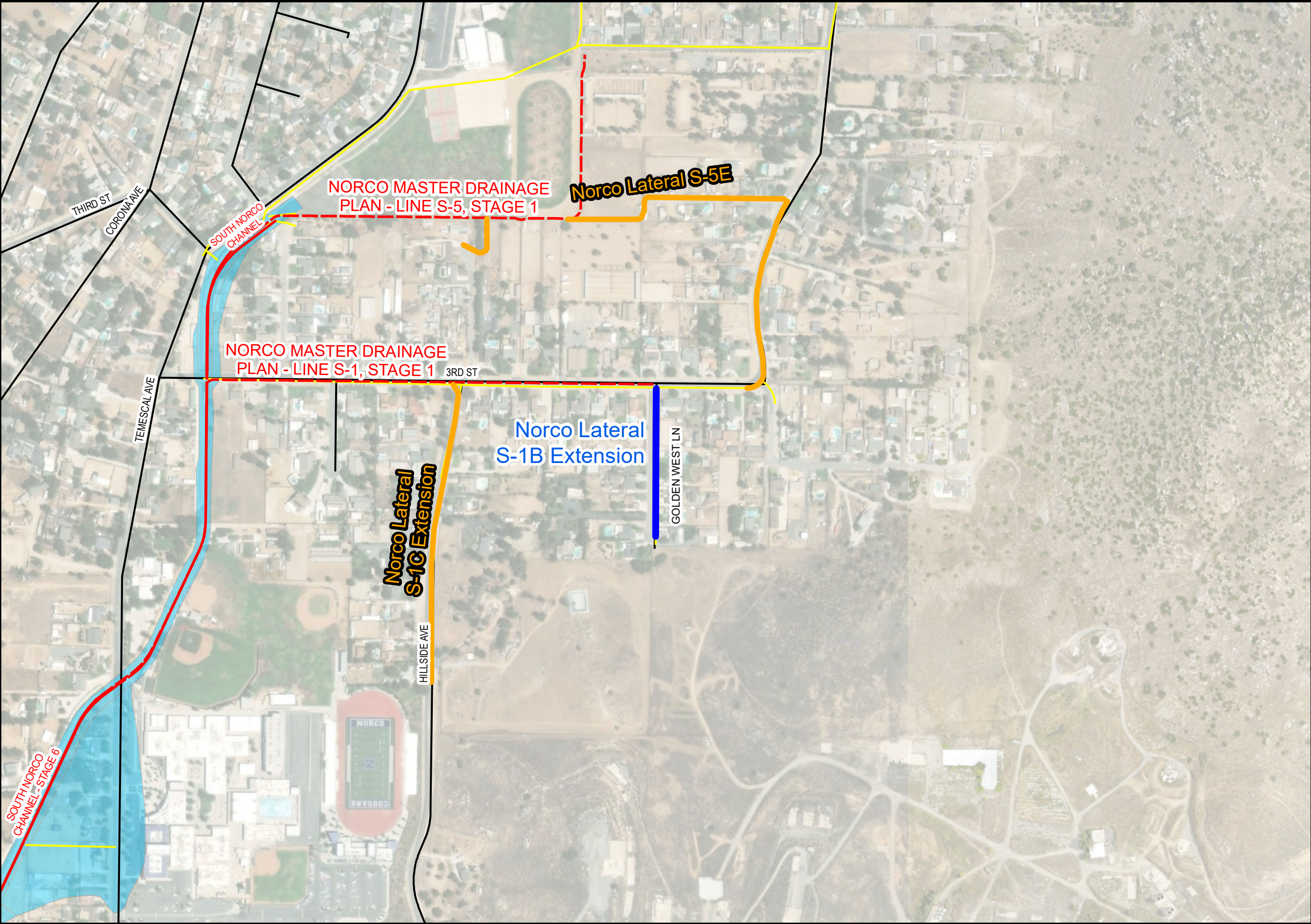
Project No.	2-6-10047-00
Engineer	T. Hanson
Date Created	6/22/2023



Description

This is a City of Norco-led project to reduce street and community flooding. It consists of 1,500 feet of 24-inch to 36-inch storm drain pipe to collect flows along Temescal Avenue and Norco Elementary School and convey them to South Norco Channel Line SA. The City of Norco will be responsible for operation and maintenance of the facility.

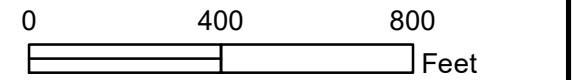




Description

This is a City of Norco-led project to reduce street and community flooding. It consists of 600 feet of 30-inch diameter storm drain pipe within Golden West Lane to collect flows from the south end of the street and convey them north to an existing storm drain Line S-1. The City of Norco will be responsible for operation and maintenance of the facility.

- Legend**
- Norco Lateral S-1B Extension
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - FEMA Floodplain





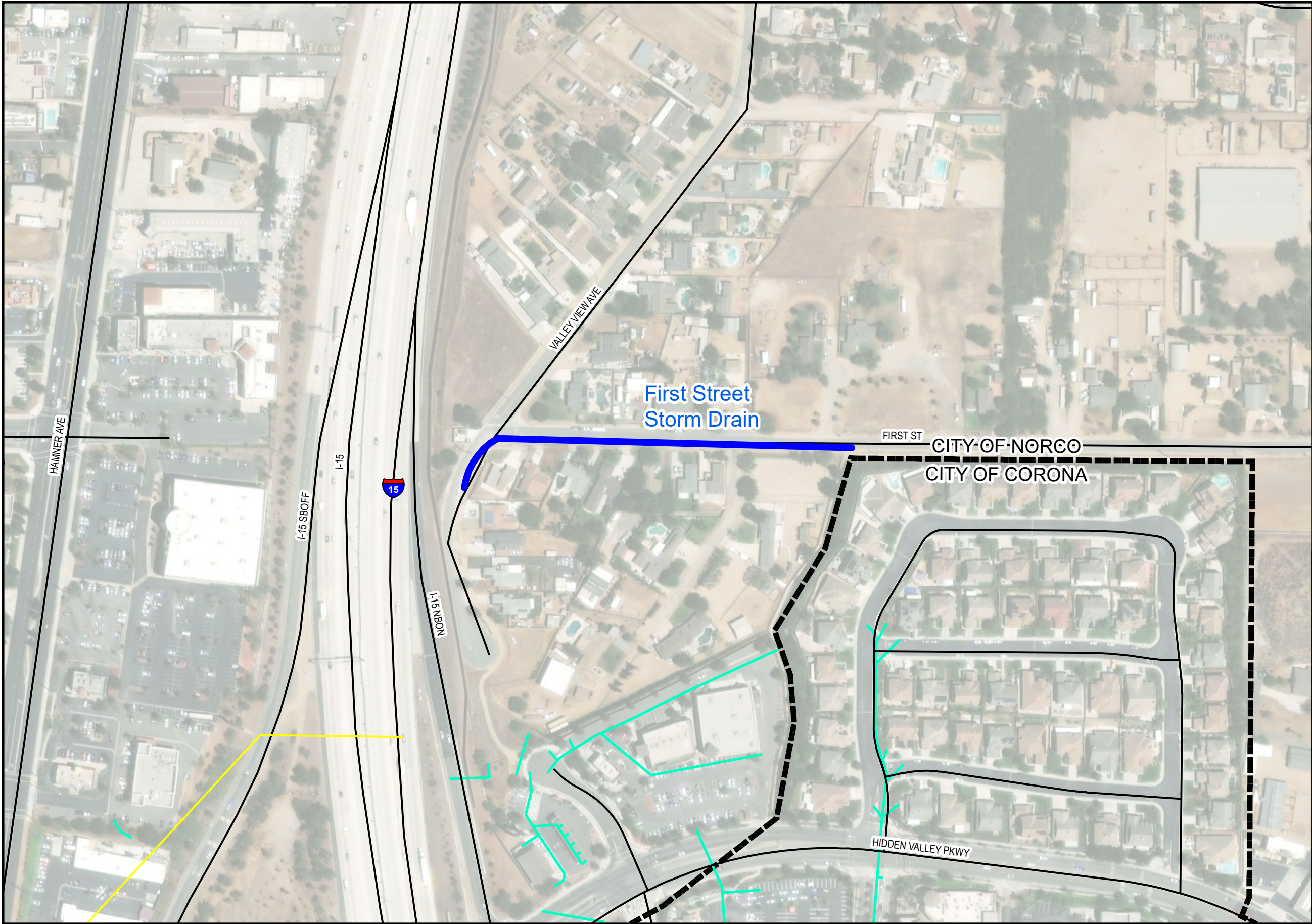
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Norco Lateral S-1B Extension

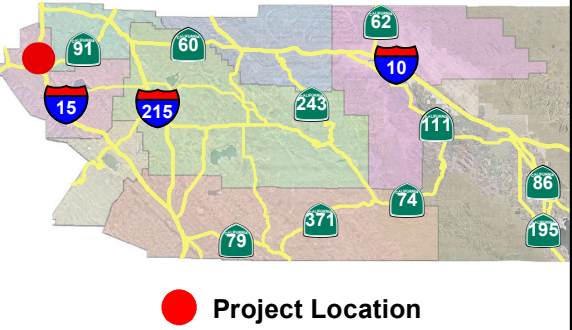
Supervisory District 2



Project No.	2-6-10049-00
Engineer	T. Hanson
Date Created	6/22/2023



VICINITY MAP

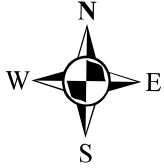
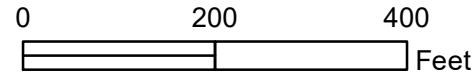


Description

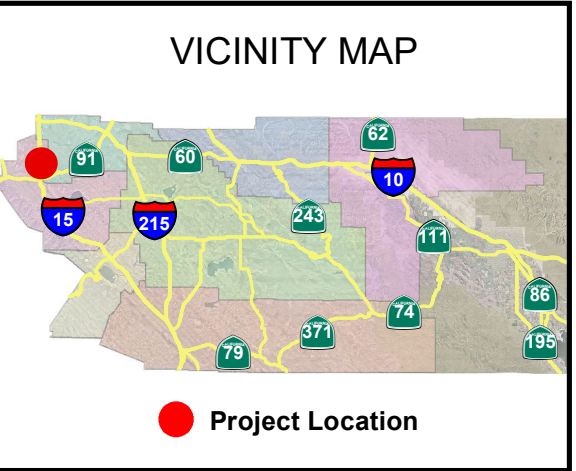
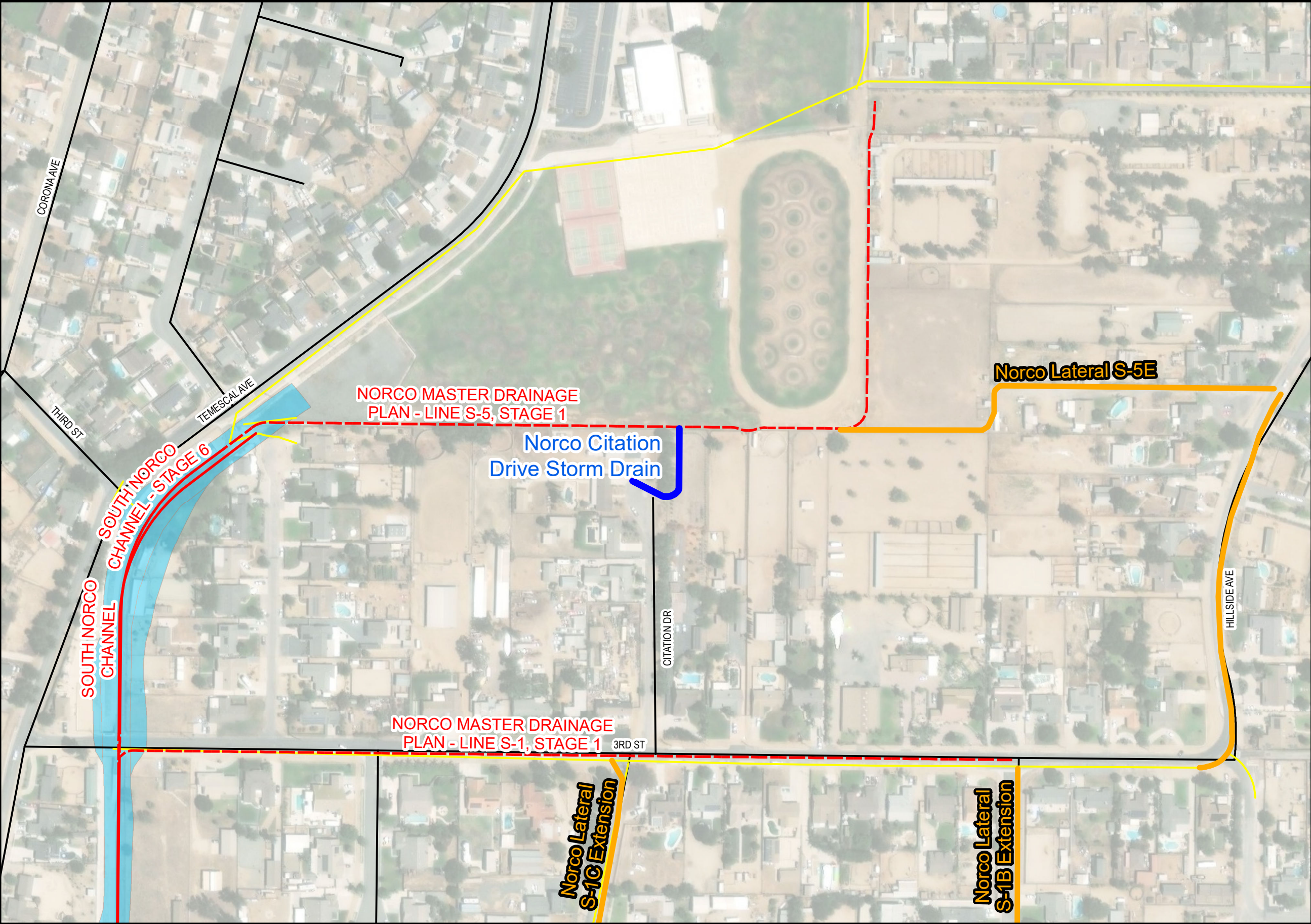
This is a City of Norco-led project to reduce street and community flooding. It consists of 900 feet of 30-inch diameter storm drain to collect flows within First Street and convey them west into an existing Interstate 15 Caltrans culvert. The City of Norco will be responsible for operation and maintenance of the facility.

Legend

- First Street Storm Drain
- Un-budgeted District Facilities
- City Facilities
- City Boundary

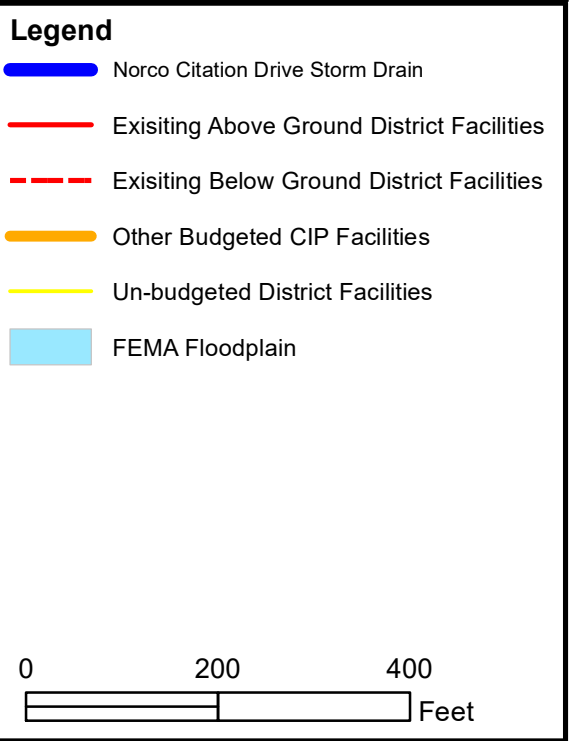


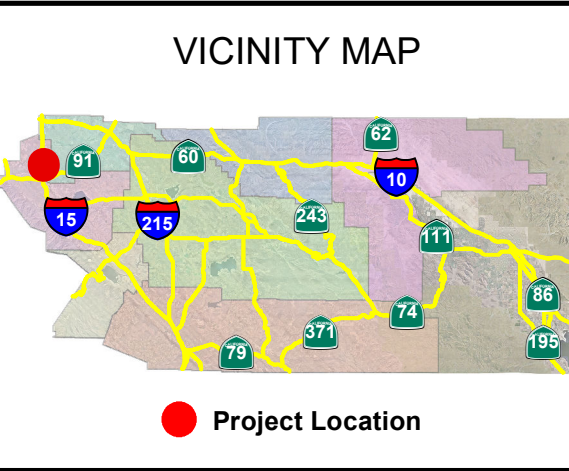
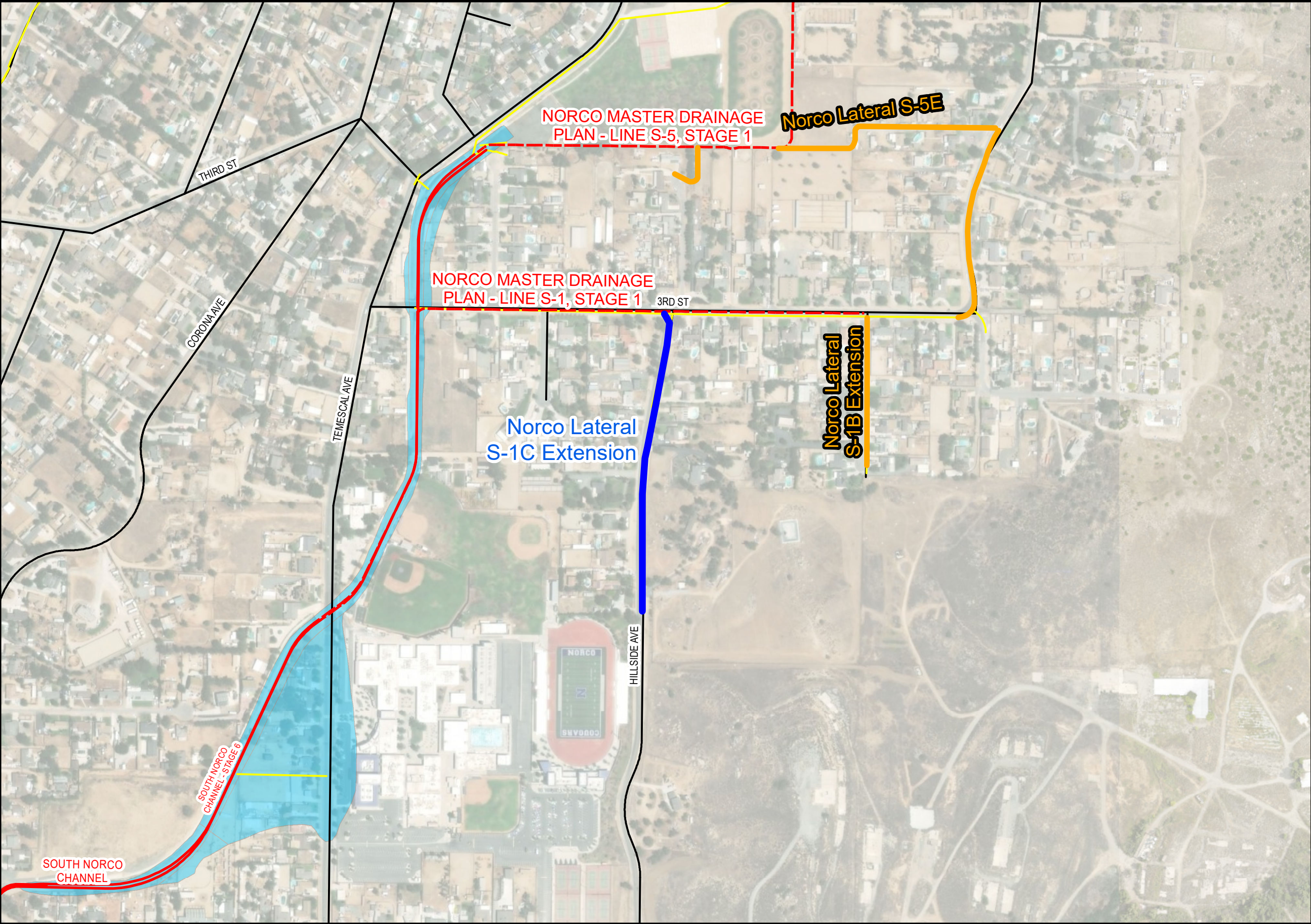
Project No.	2-6-10050-00
Engineer	T. Hanson
Date Created	6/21/2023



Description

This is a City of Norco-led project to reduce street and community flooding. It consists of 200 feet of 24-inch diameter storm drain pipe to collect water from a low point on Citation Drive and convey it north to the existing District Norco Master Drainage Plan Line S-5 storm drain. The City will be responsible for operation and maintenance of the facility.

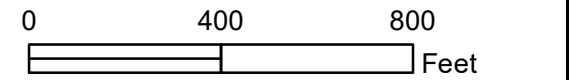


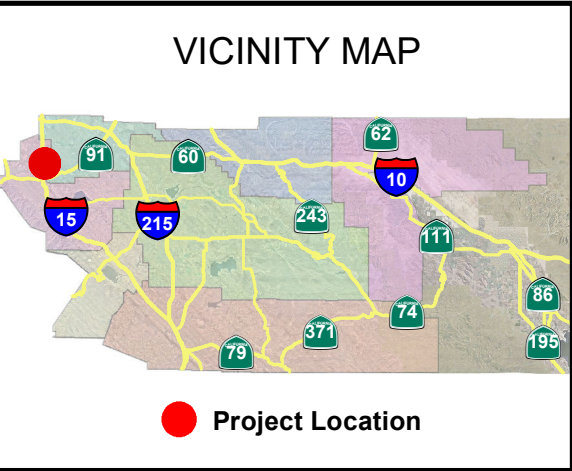
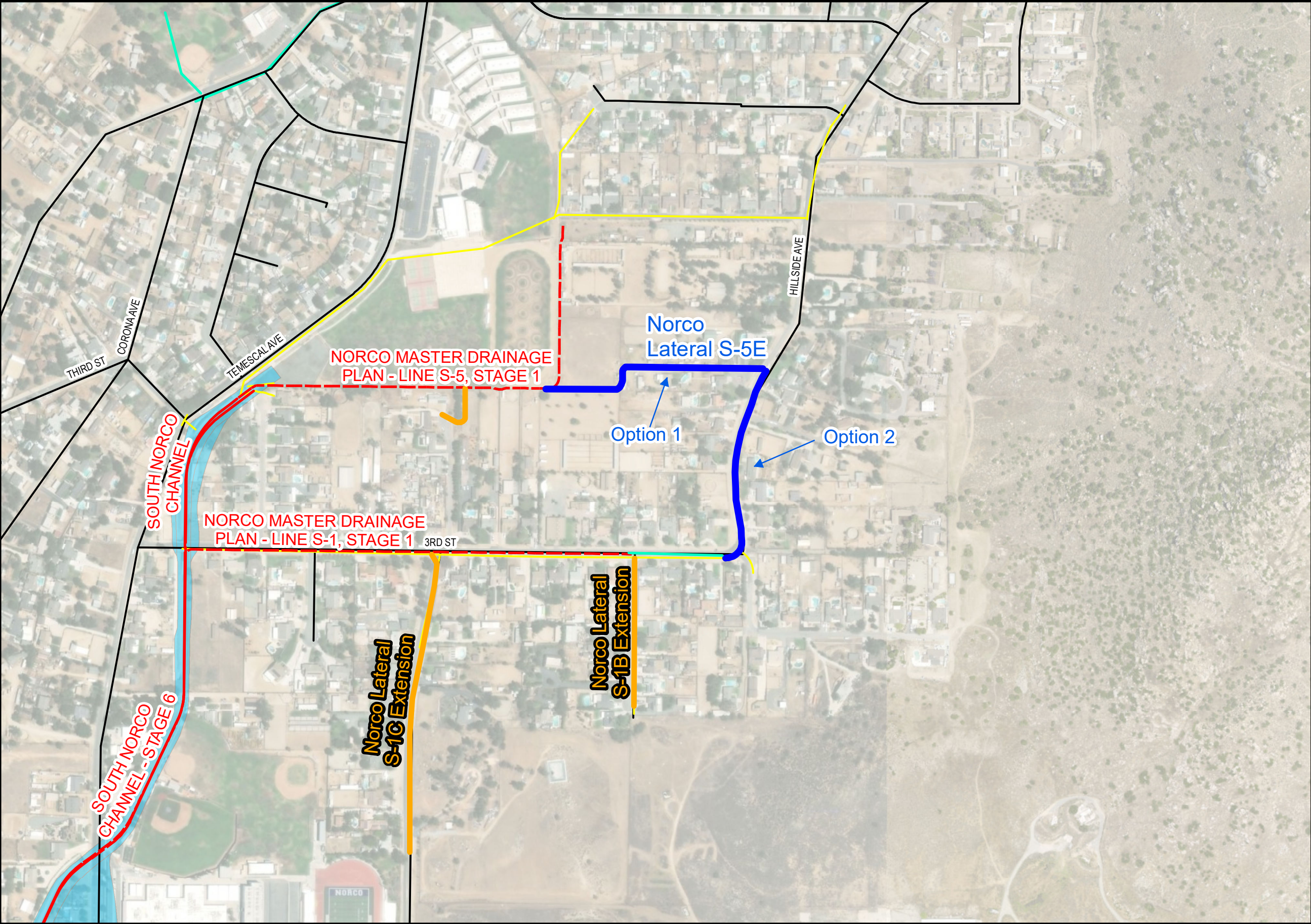


Description

This is a City of Norco-led project to place 1,300 feet of 30-inch reinforced concrete pipe within Hillside Avenue to collect flows and drain them north into the existing District Norco Master Drainage Plan Line S-1 storm drain located in Third Street. The City will be responsible for operation and maintenance of the facility.

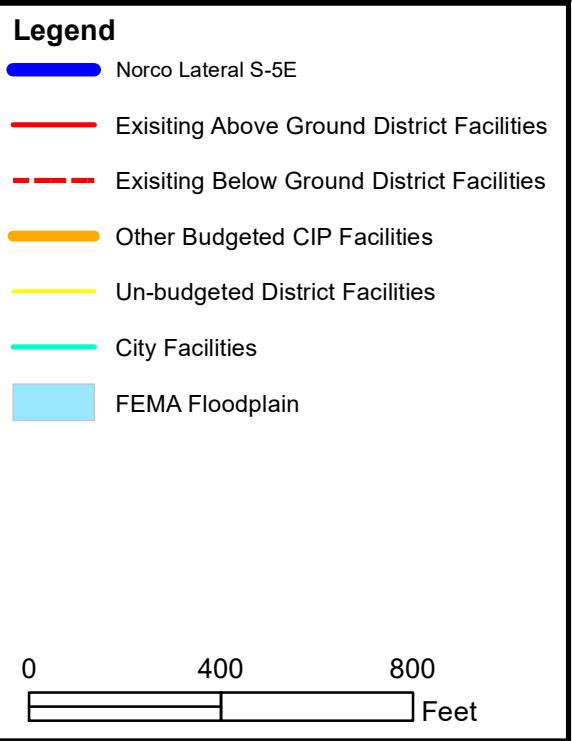
- Legend**
- Norco Lateral S-1C Extension
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - FEMA Floodplain

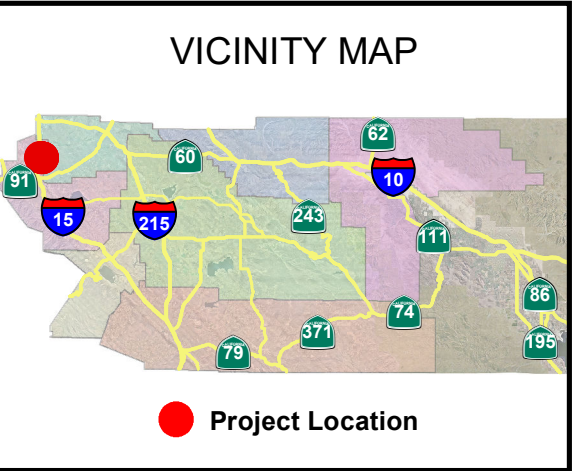
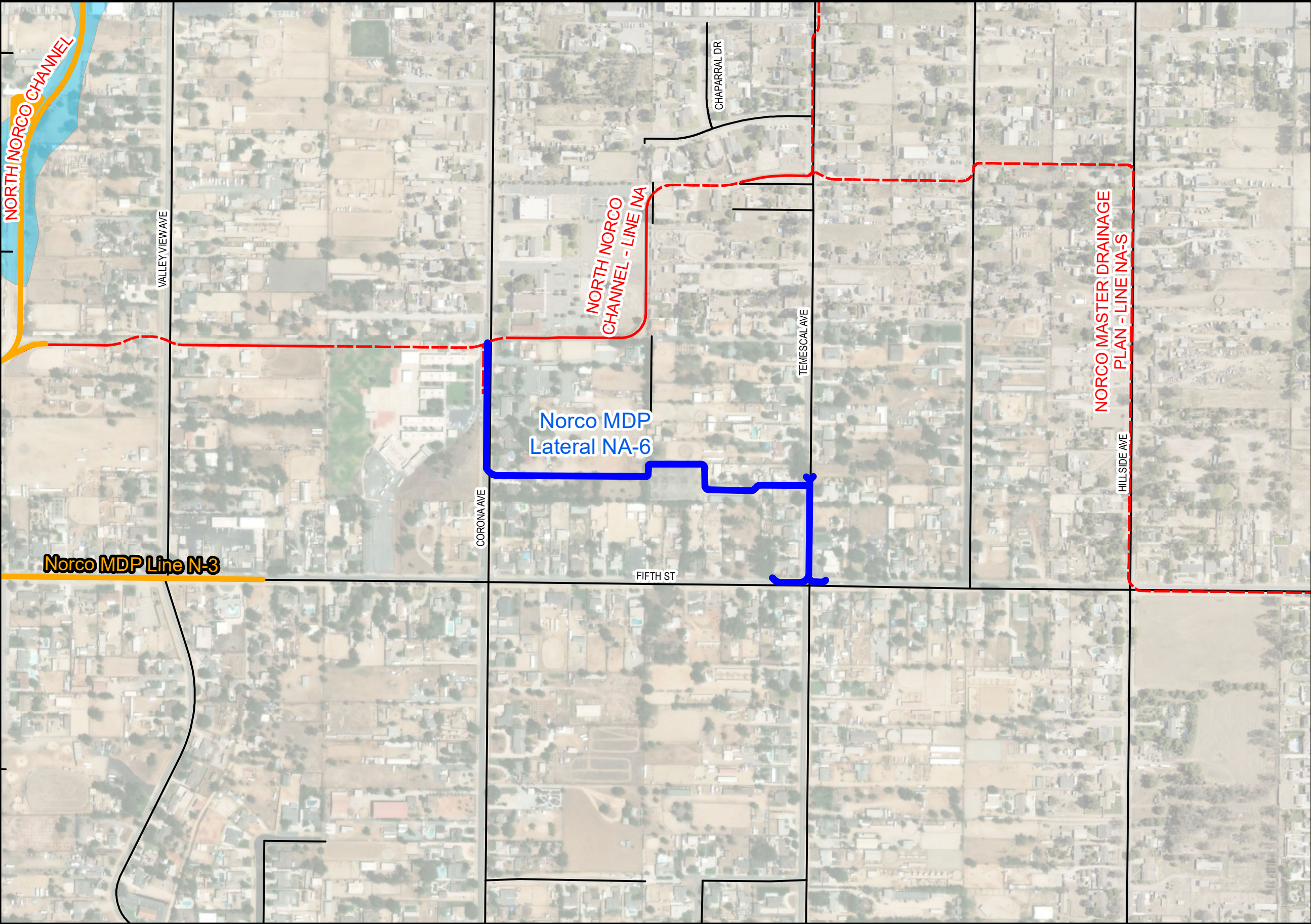




Description

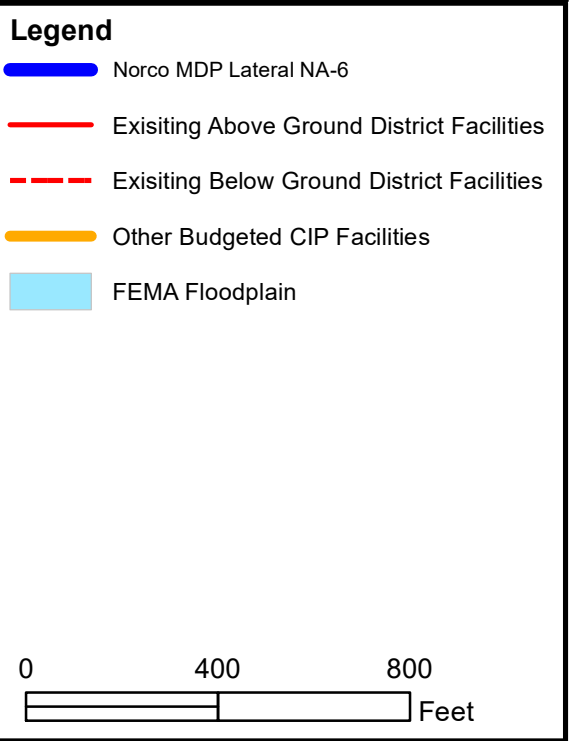
This is a City of Norco-led project to reduce street and community flooding. The City is exploring two options on Hillside Avenue: Option 1 consists of 1,100 feet of 24-inch to 36-inch diameter reinforced concrete pipe within private property to collect flows and convey them westerly to Norco Master Drainage Plan Line S-5; and Option 2 consists of 1,110 feet of 24-inch to 36-inch diameter reinforced concrete pipe within Hillside Avenue to collect flows and convey them southerly to Norco Master Drainage Plan Line S-1. The City will be responsible for operation and maintenance of the facility.

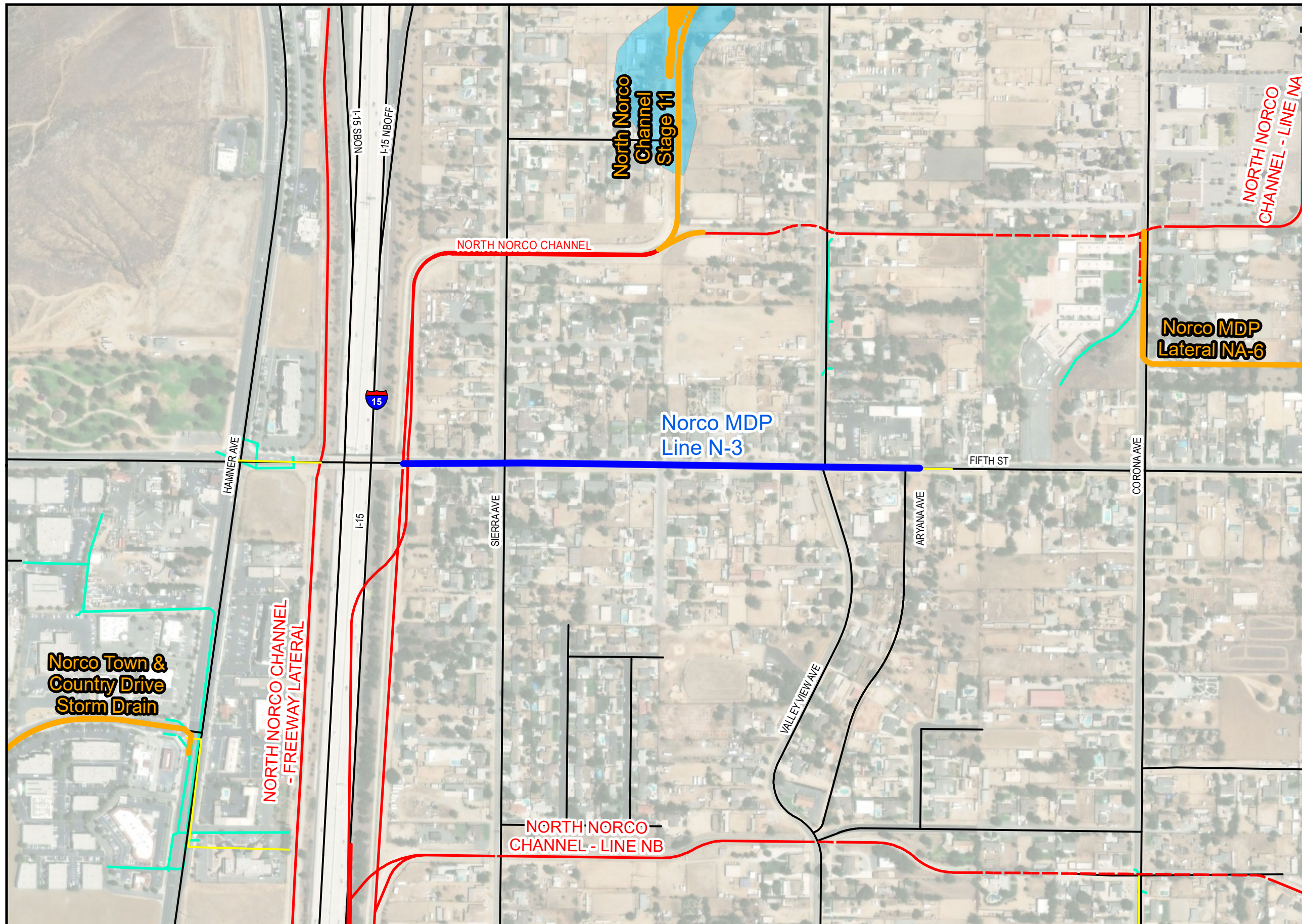




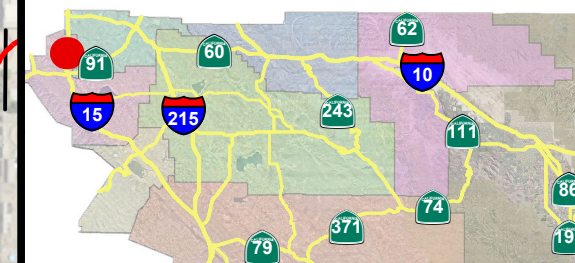
Description

This is a City of Norco-led project to install approximately 2,700 feet of 42-inch to 48-inch reinforce concrete pipe in Corona Avenue, 5th Street and Temescal Avenue to alleviate flooding on the private properties between Temescal Avenue and Corona Avenue. Flows will be conveyed from Fifth Street and outlet into existing North Norco Channel - Line NA. The City of Norco will be responsible for operation and maintenance of the facility.





VICINITY MAP



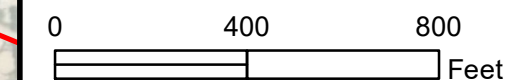
Project Location

Description

The City of Norco-led project proposes approximately 2,100 feet of reinforced concrete pipe, ranging in pipe diameter from 36 inches to 66 inches. The storm drain alignment is within 5th Street and conveys flows from Aryana Avenue to North Norco Channel, located on the east side of Interstate 15. This project will alleviate flooding within the streets and surrounding area. The District and the City of Norco will share operation and maintenance responsibilities based on storm drain sizing.

Legend

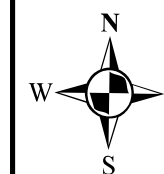
-  Norco MDP Line N-3
-  Existing Above Ground District Facilities
-  Existing Below Ground District Facilities
-  Other Budgeted CIP Facilities
-  Un-budgeted District Facilities
-  City Facilities
-  FEMA Floodplain



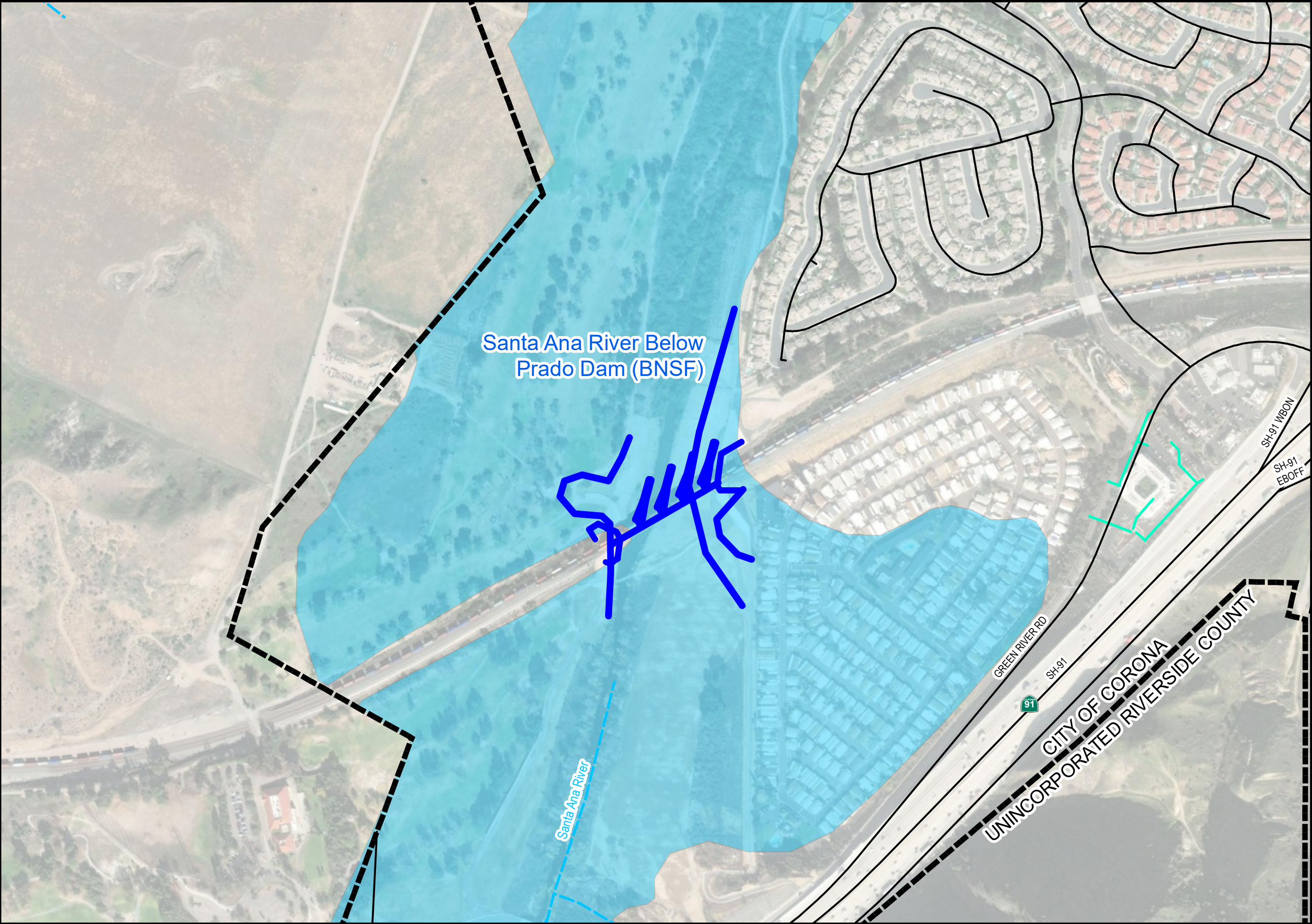
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Norco MDP Line N-3

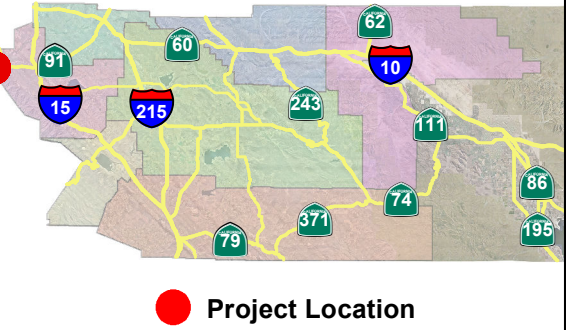
Supervisory District 2



Project No.	2-8-00086-01
Engineer	T. Hanson
Date Created	6/22/2023

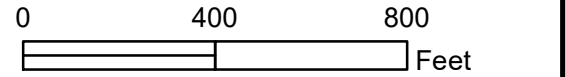


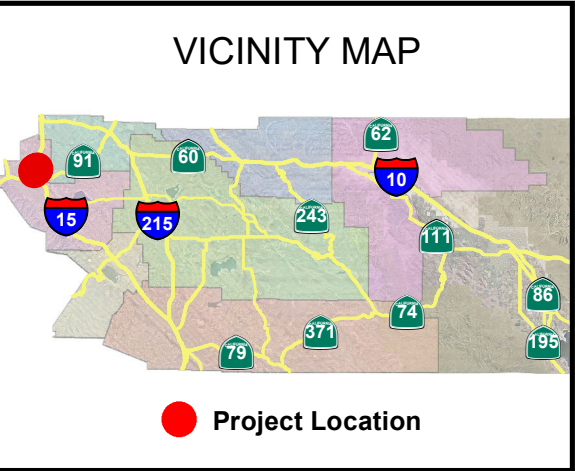
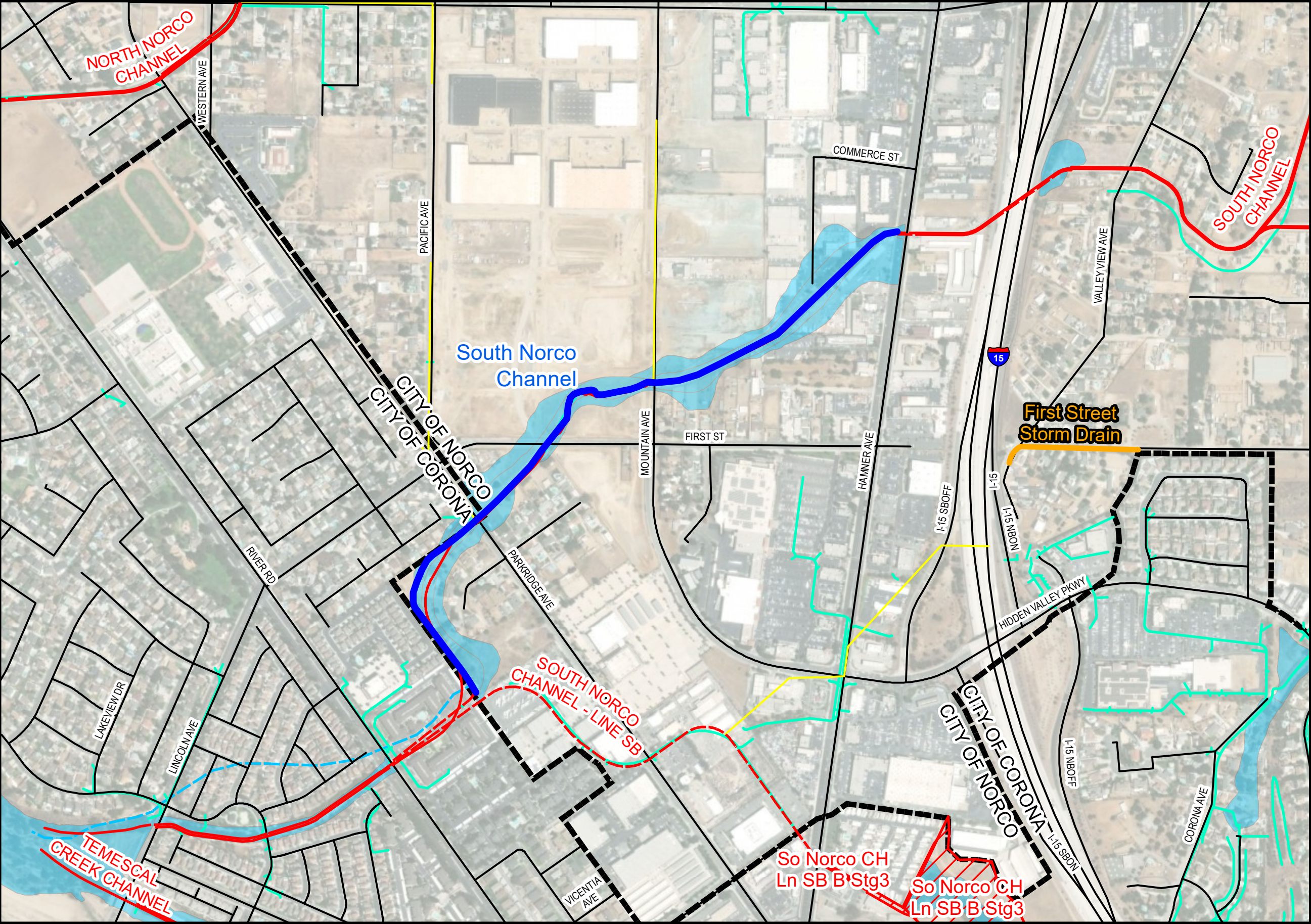
VICINITY MAP



Description
This is a U.S. Army Corps of Engineers (Corps)-led project for streambank improvements necessary due to the planned increased discharge capacity from the Prado Dam. Construction of Reach 9, Phases 2A and 2B, Mobile Home Levee and BNSF projects 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 and Maintenance Manual needed for the maintenance of the projects.

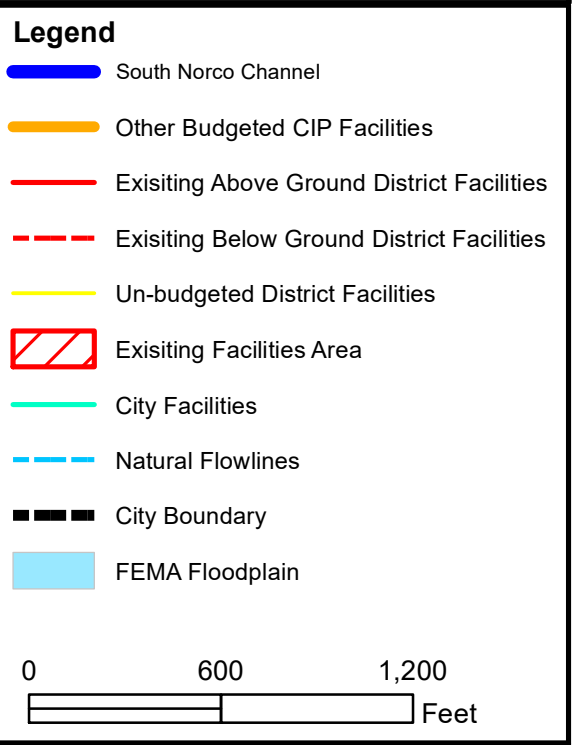
- Legend**
- Santa Ana River Below Prado Dam (BNSF)
 - Multipatches
 - City Facilities
 - Natural Flowlines
 - City Boundary
 - FEMA Floodplain

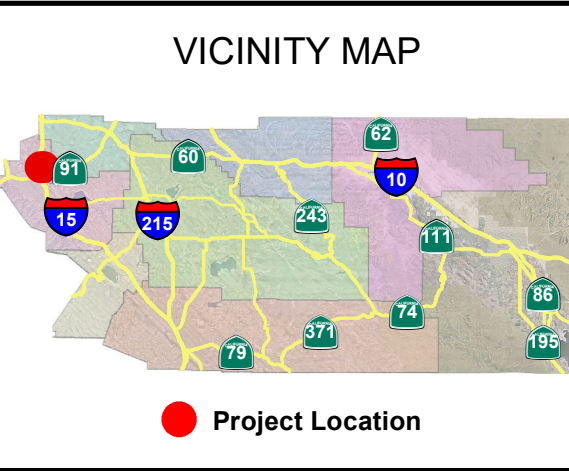
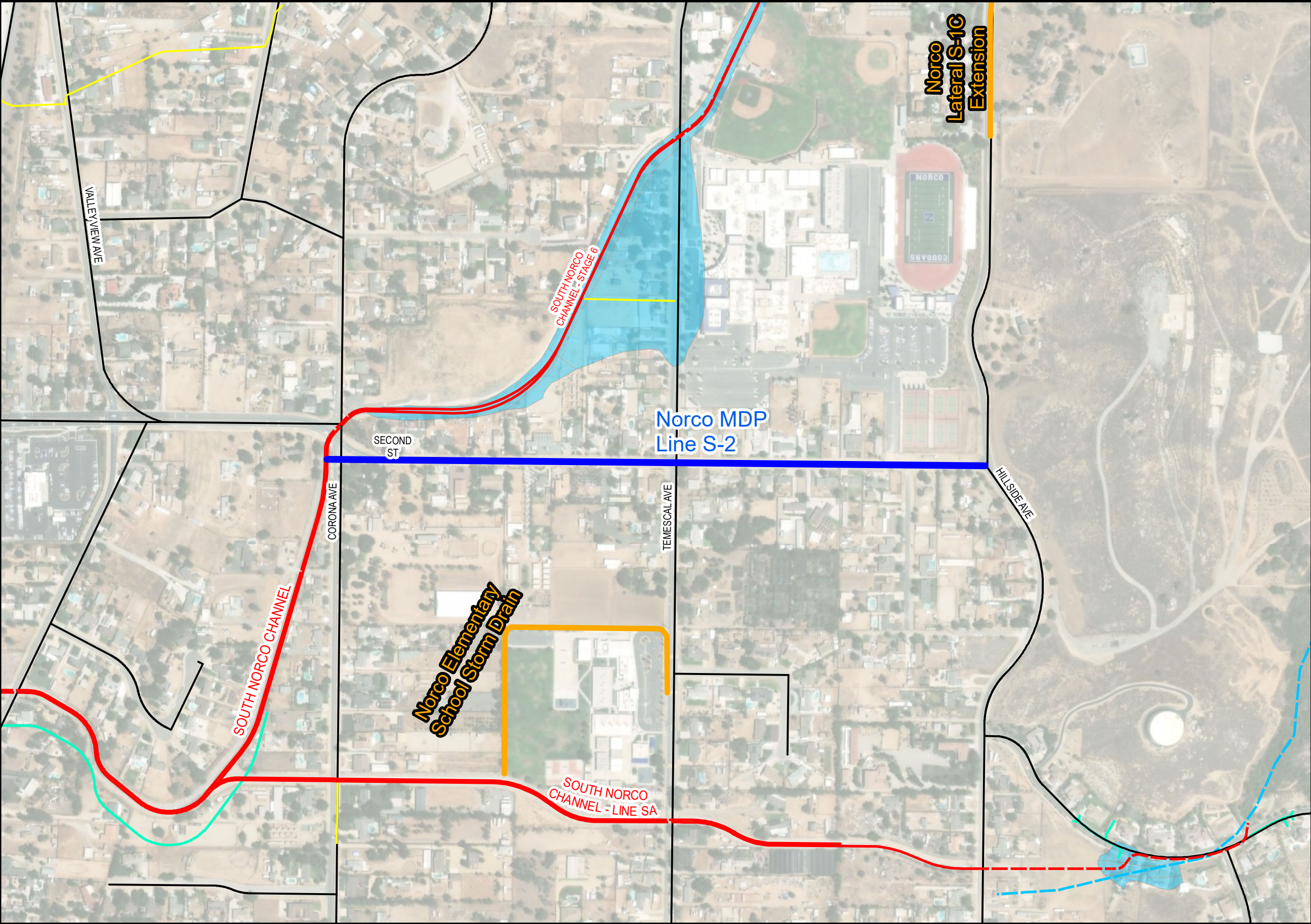




Description

This City of Norco-led project will replace 5,800 feet of existing undersized channel and will convey storm flows from Hamner Avenue to an existing reinforced concrete box (RCB) south of Parkridge Ave. Proposed facilities will include varying sizes of rectangular channel and RCB. The improvements will provide 100-year level of flood protection and remove residences and businesses adjacent to the channel out of the Federal Emergency Management Agency (FEMA) mapped floodplain. The District will be responsible for operation and maintenance of the channel.

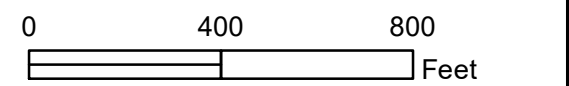




Description

This City of Norco-led project to provide flood protection to properties along Second Street. The project consists of approximately 2,700 feet of reinforced concrete pipe (18-inch to 40-inch) along Hillside Avenue and conveys flows to the existing South Norco Channel, west of Corona Avenue. The City of Norco will be responsible for operation and maintenance of the facility.

- ### Legend
- Norco MDP Line S-2
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - City Facilities
 - Natural Flowlines
 - FEMA Floodplain



ZONE 2

SERENA BURNETT, 2nd District

FRED MEYERS, 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.



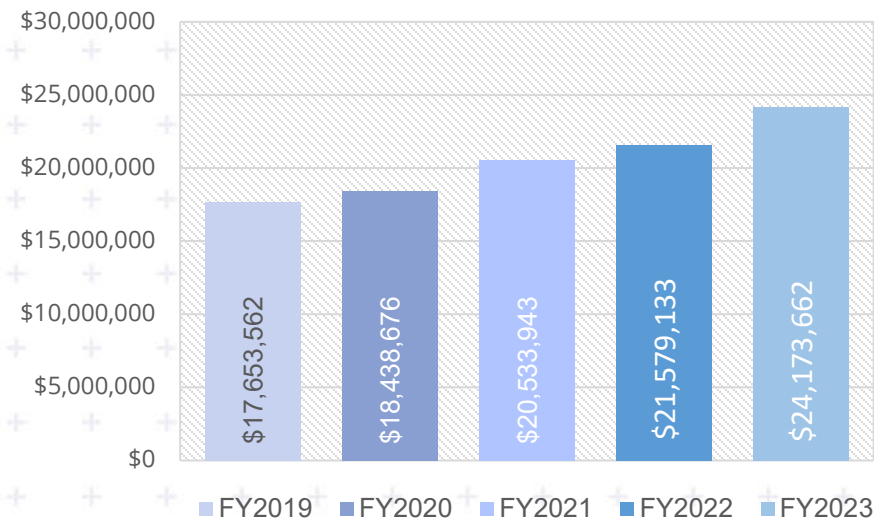
Fund Balance for FY 2022–2023

JULY 1, 2022 \$91,587,214

JUNE 30, 2023 \$89,442,937

Property Taxes

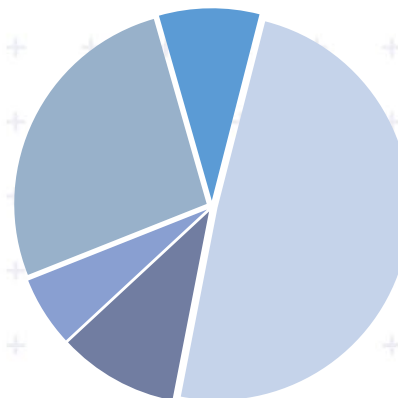
(5 years revenue trend)



Uses

(How the money is used)

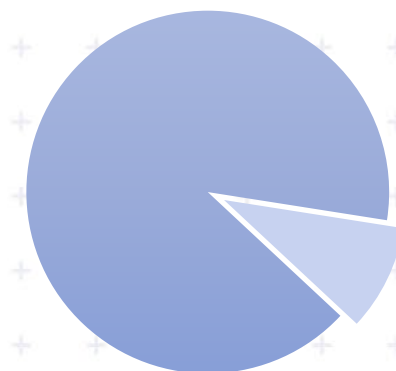
TOTAL \$28,844,000



Sources

(Where the money comes from)

TOTAL \$26,700,000



ZONE 2

SERENA BURNETT, 2nd District

FRED MEYERS, 2nd District

BAXTER MILLER, 2nd District

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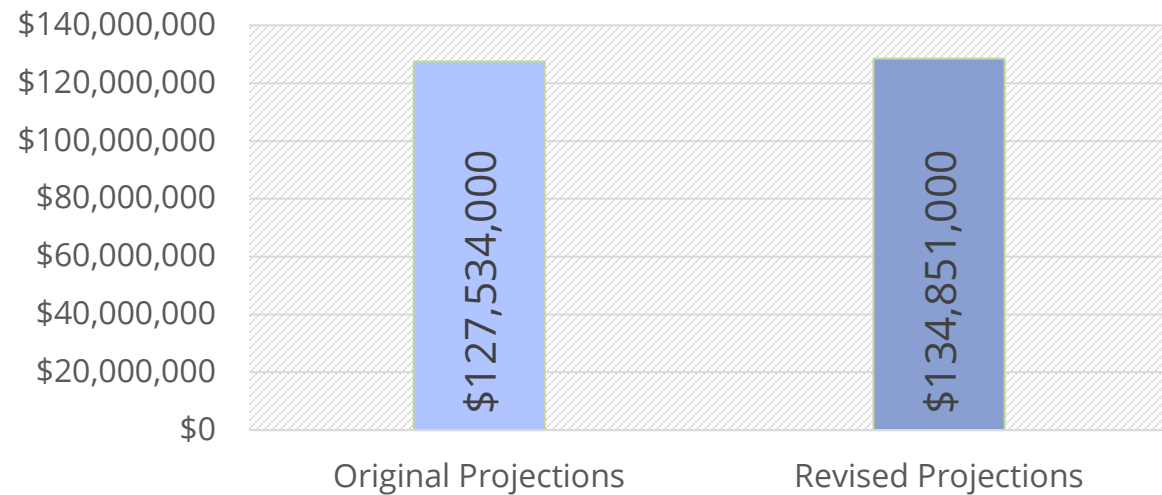
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**Forecasting
FY24-25 thru FY28-29**

Original Projections vs. Revised Projections Additional Property Tax Revenue Available

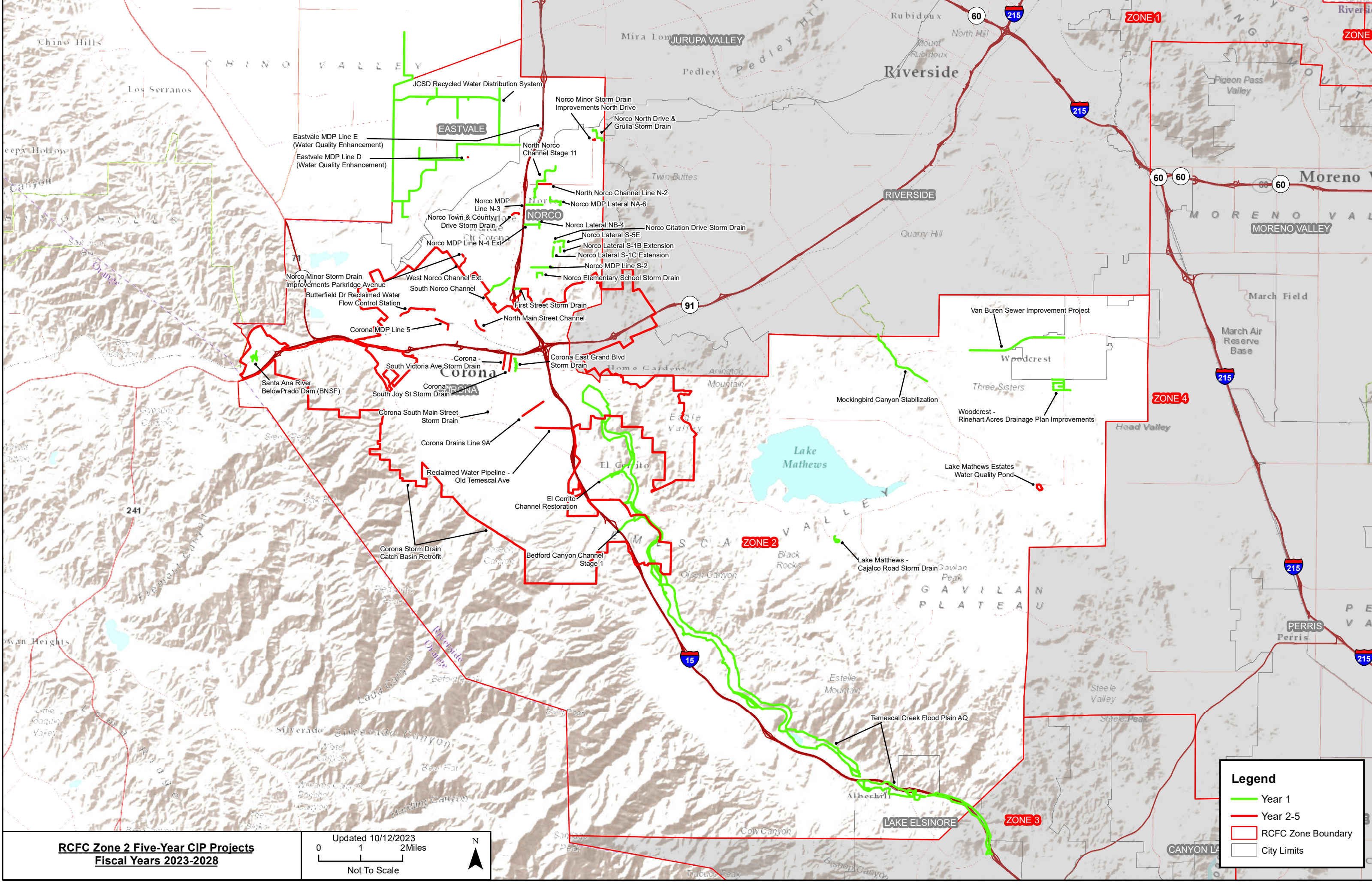


**Additional
Revenue
\$7,317,000**



**5th Year Of
New CIP
FY28-29
\$26,461,000**

**Forecasting \$33,778,000 to be available for Cost Increases
on Existing Projects and New Requests**



RCFC Zone 2 Five-Year CIP Projects
Fiscal Years 2023-2028

Updated 10/12/2023

0 1 2 Miles

Not To Scale

N

Legend

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

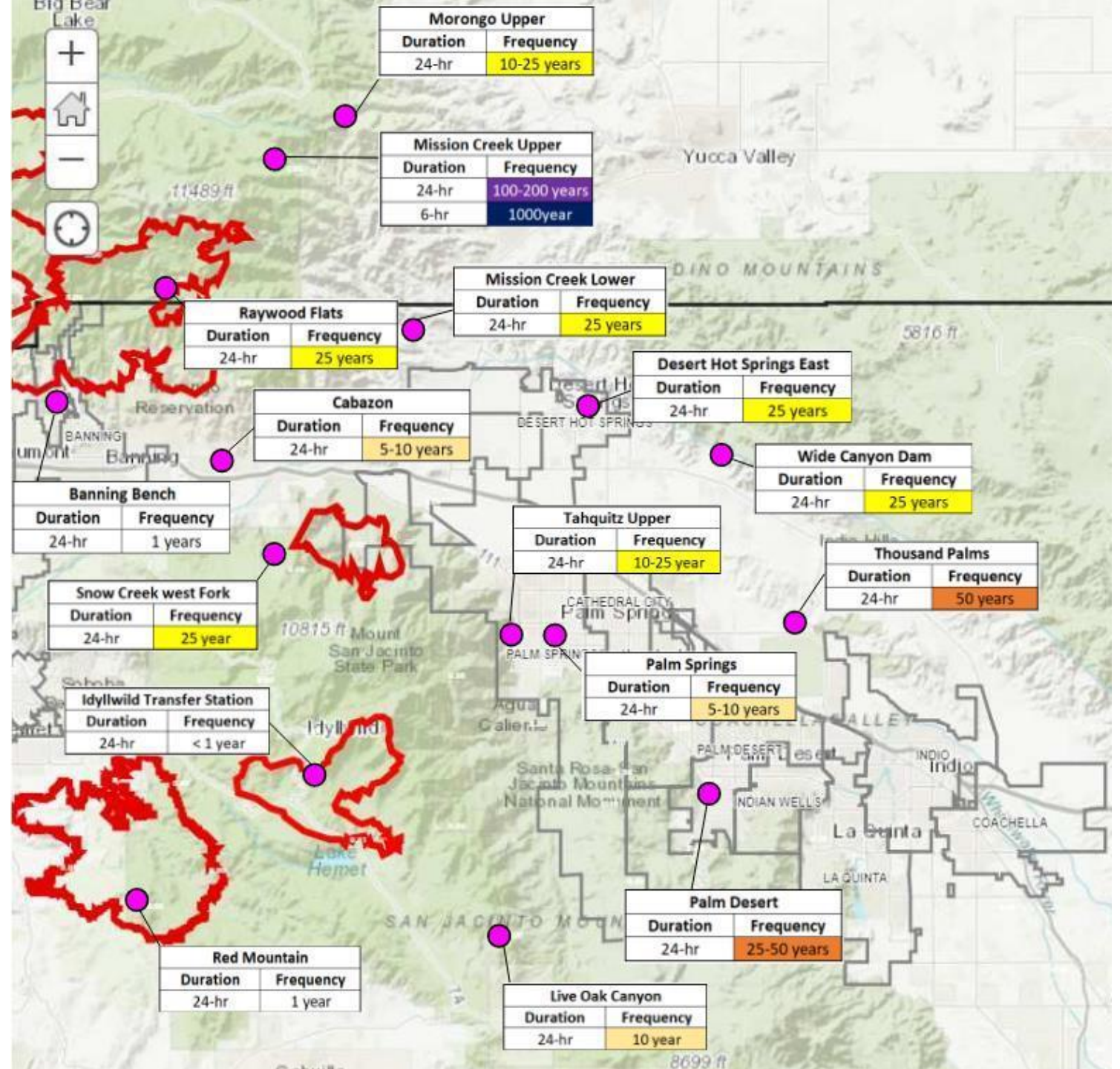
Coachella Valley

Tropical Storm Hilary

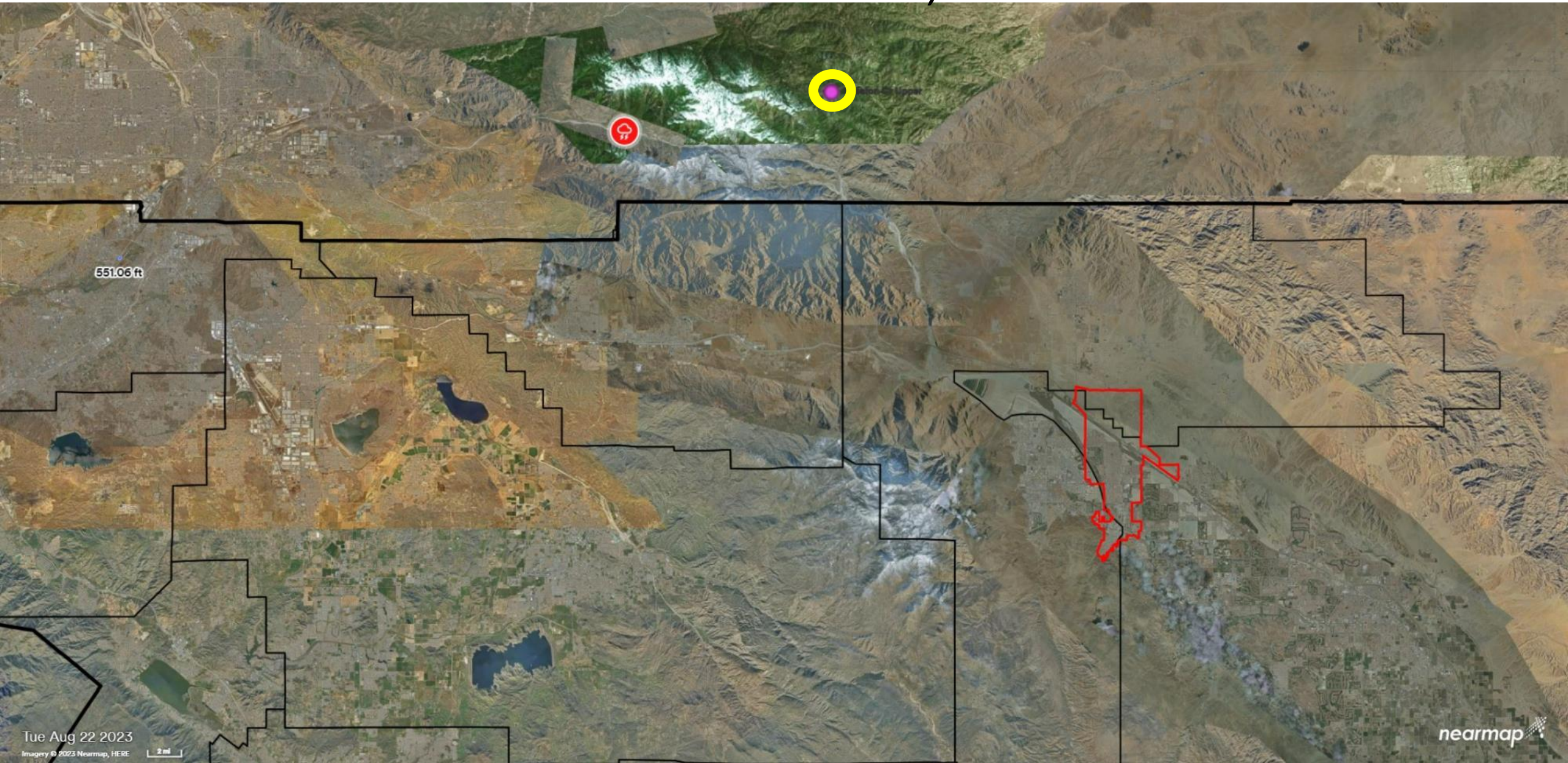
August 20, 2023

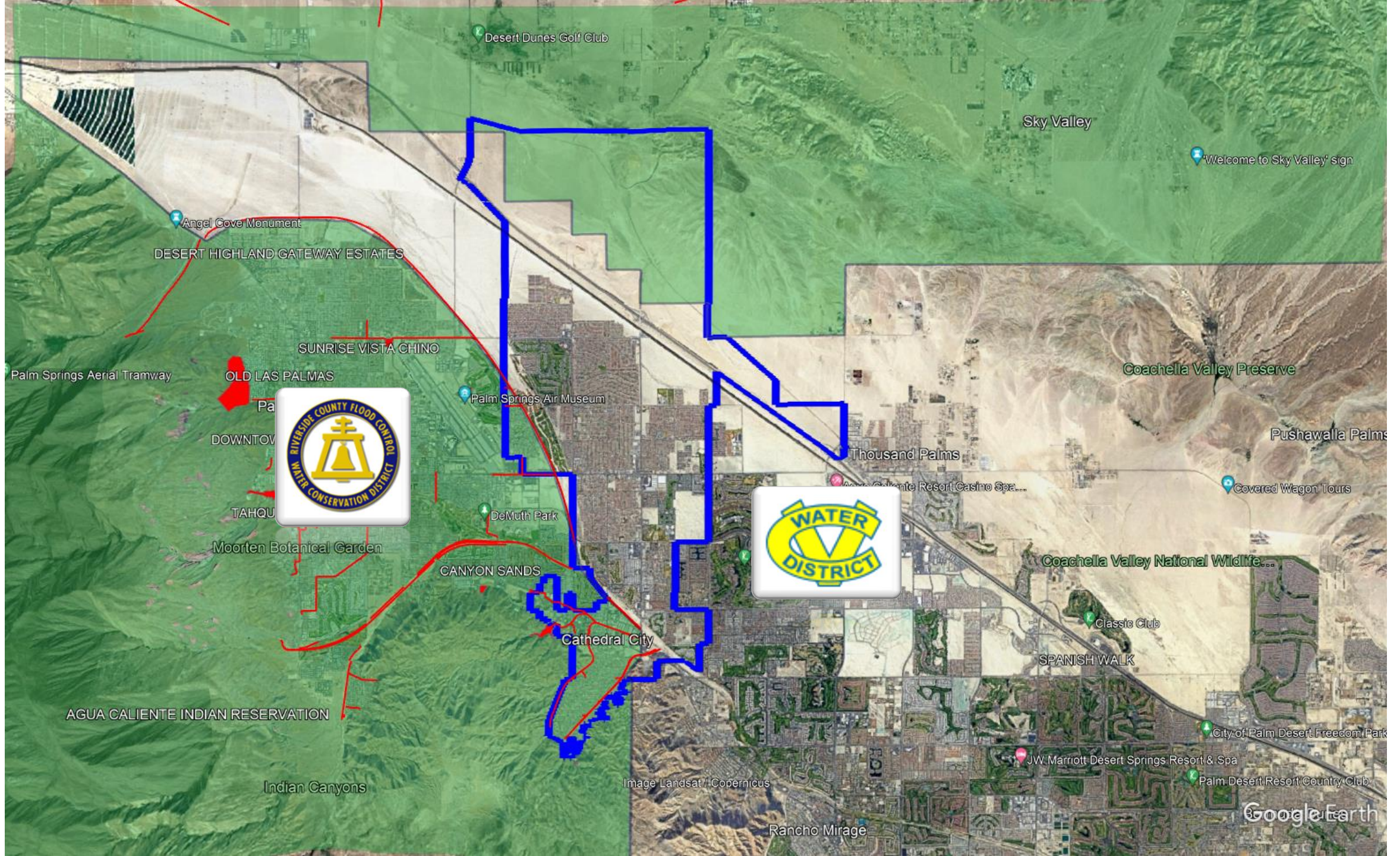
2-4" of rain in the valleys
4-13" of rain in mountains

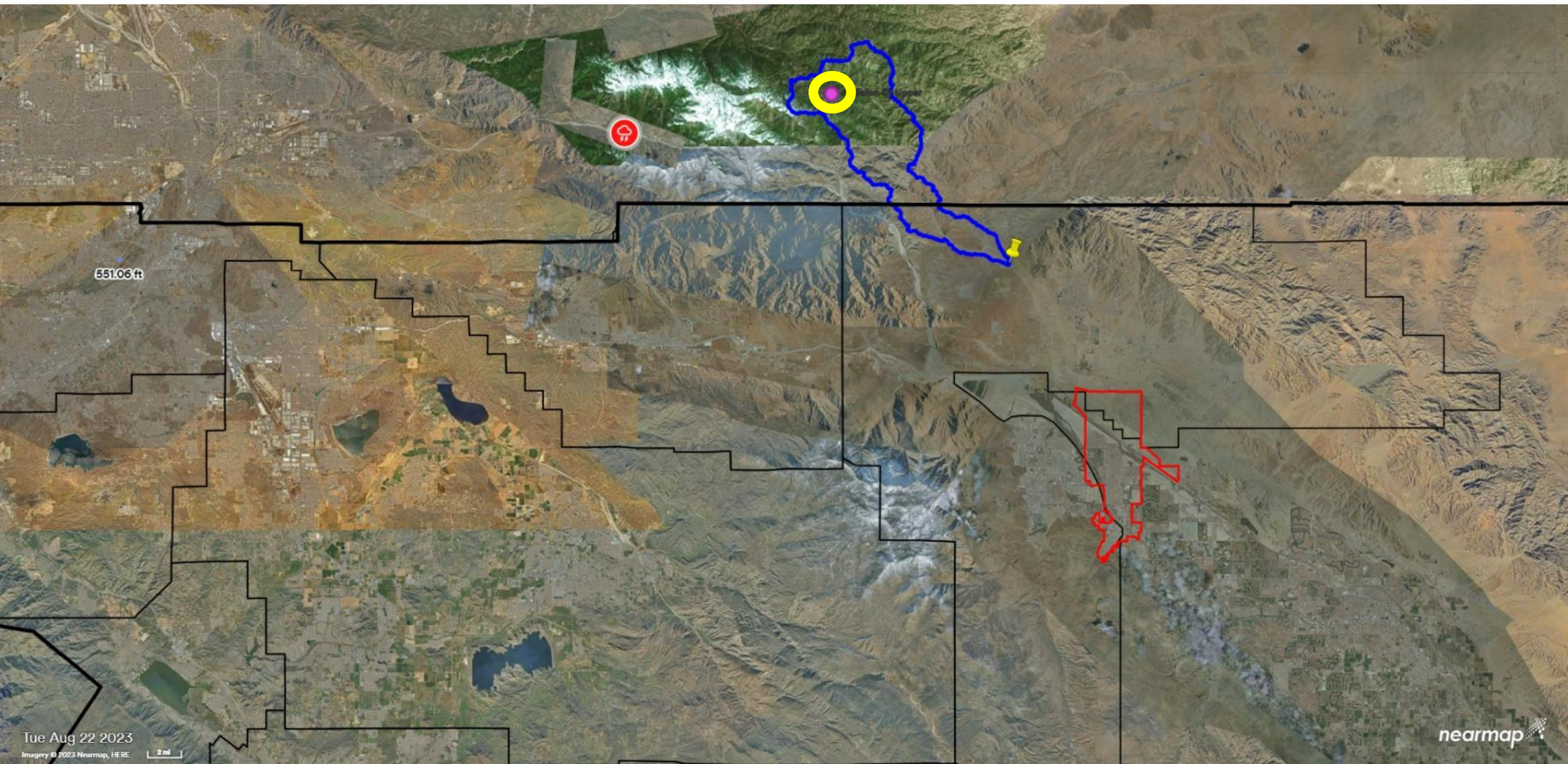
Most Significant Rain:
Mission Creek
Upper Whitewater
13" of rain total
9" in 6 hours
1,000-year storm



Mission Creek – 13" rain – 1,000 Year Event



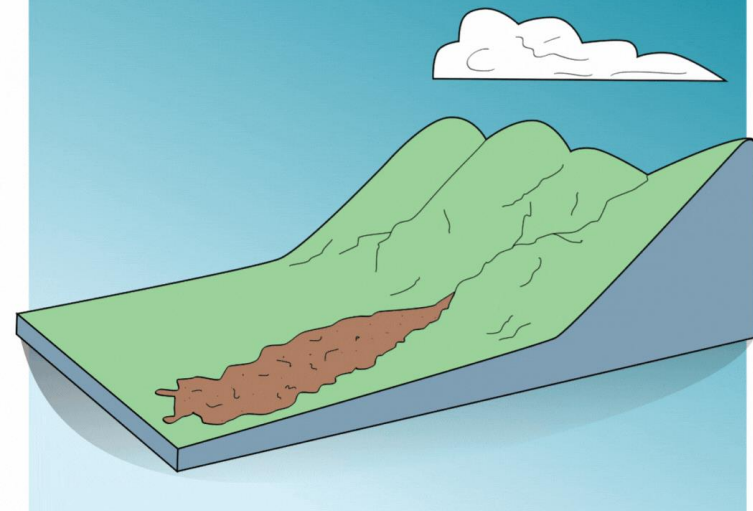




551.06 ft

DEBRIS FLOW

Rapidly moving mix of water, mud, trees, and other materials that flows downvalley and can travel great distances.

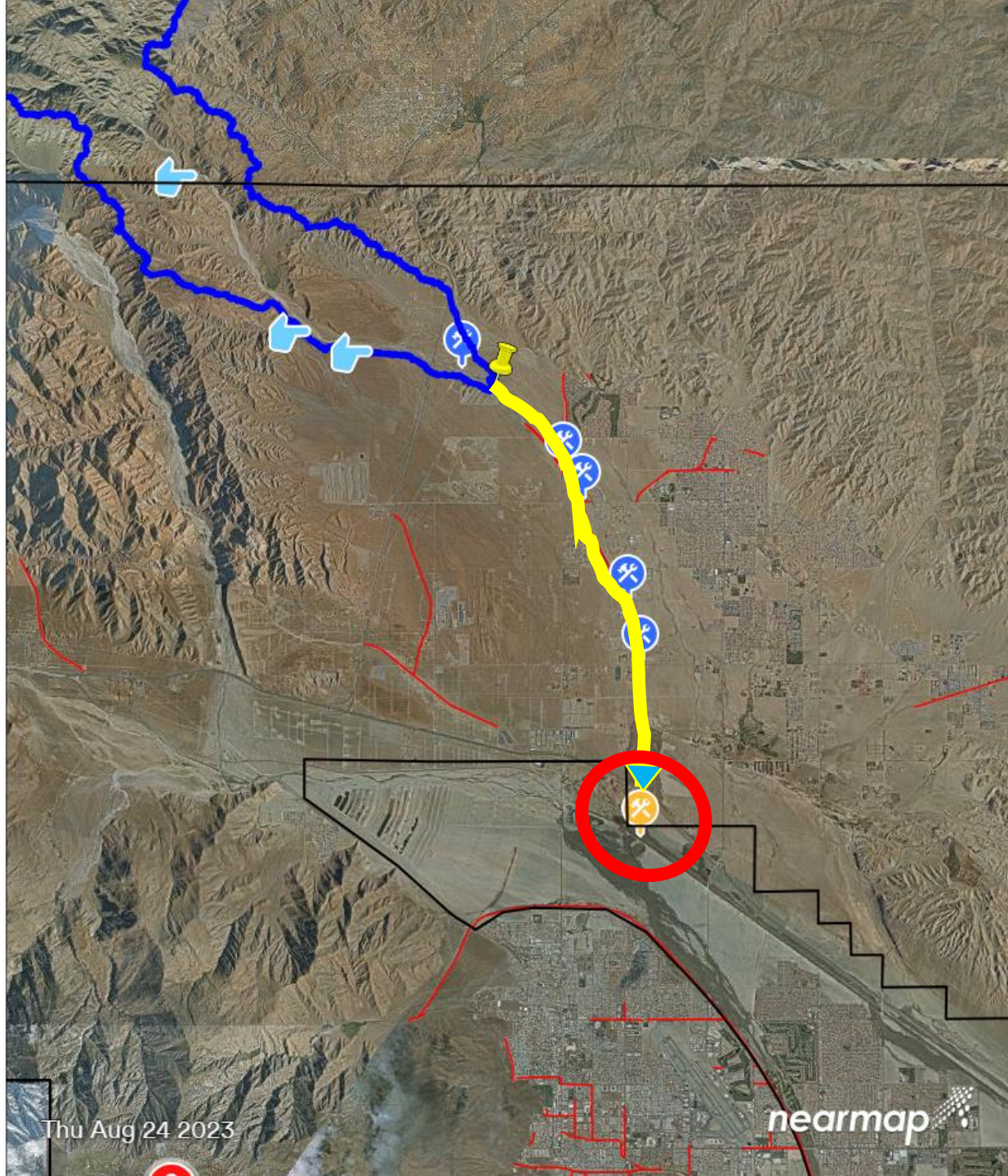


TYPES OF LANDSLIDES



Mission Creek Through Desert Hot Springs





Thu Aug 24 2023

nearmap

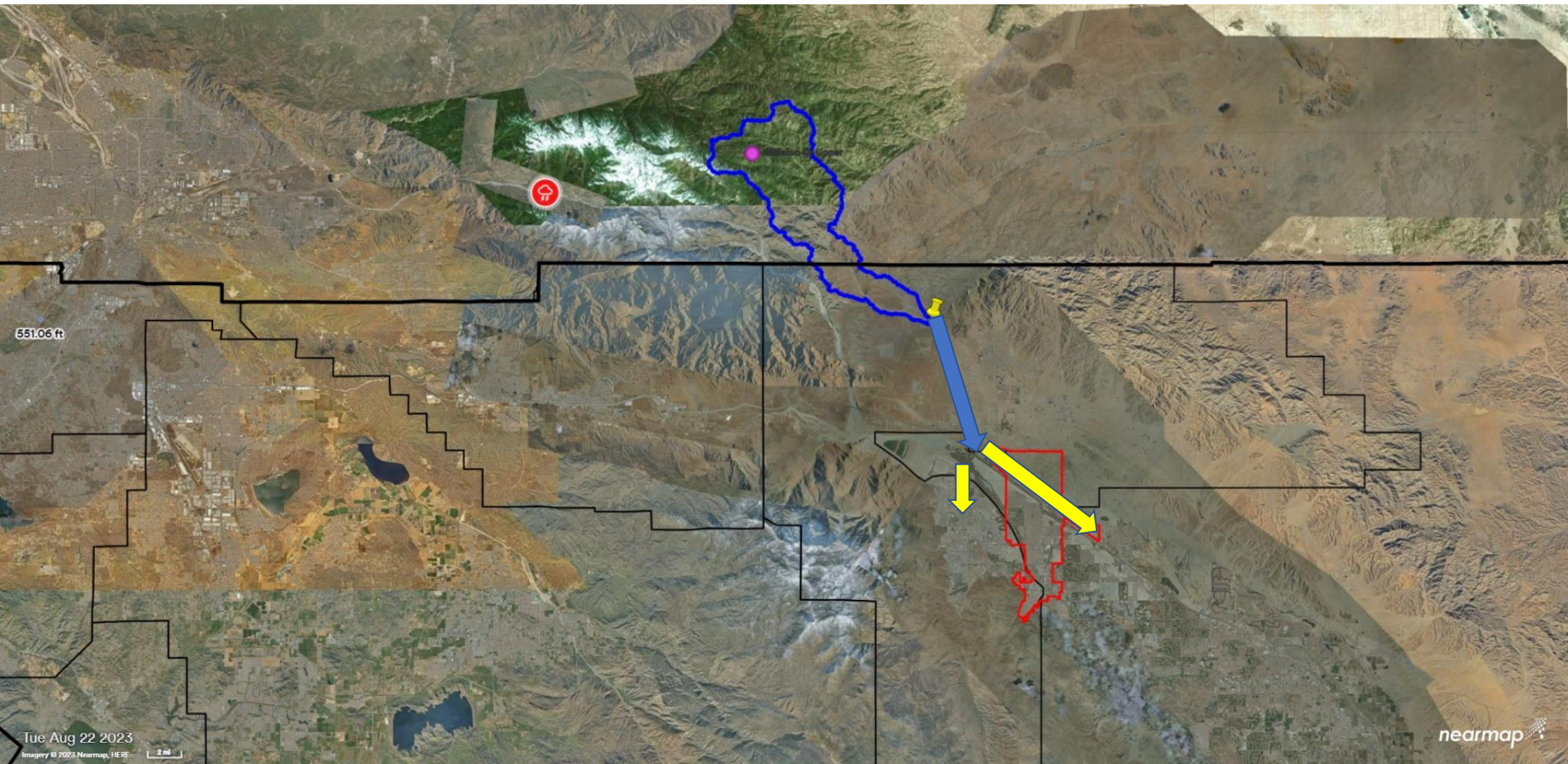


Mon Aug 21 2023

nearmap



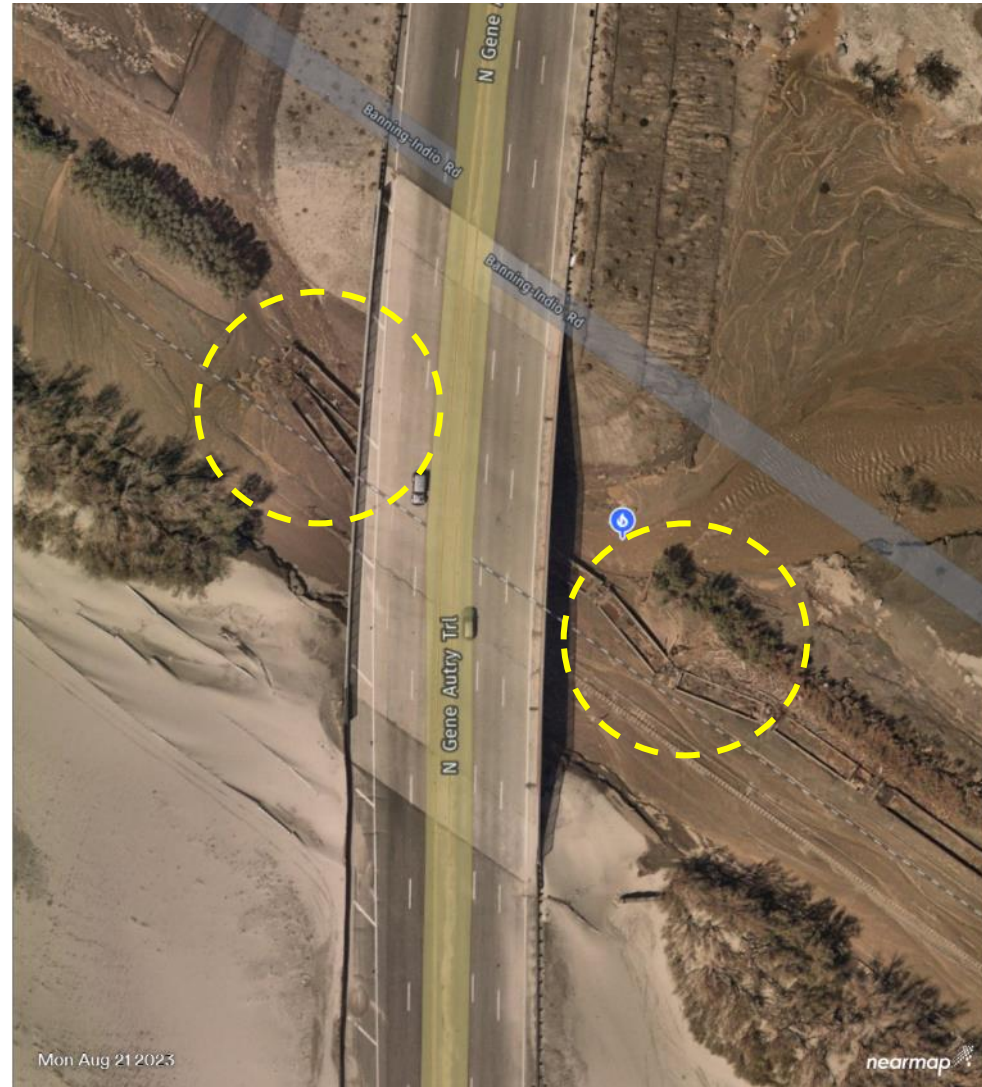
Bridge at creek in Montecito filled with debris from the January 9 deadly rains and mudflow (Photo by Blake Herman/SB County Fire via SBC Fire Info Twitter)



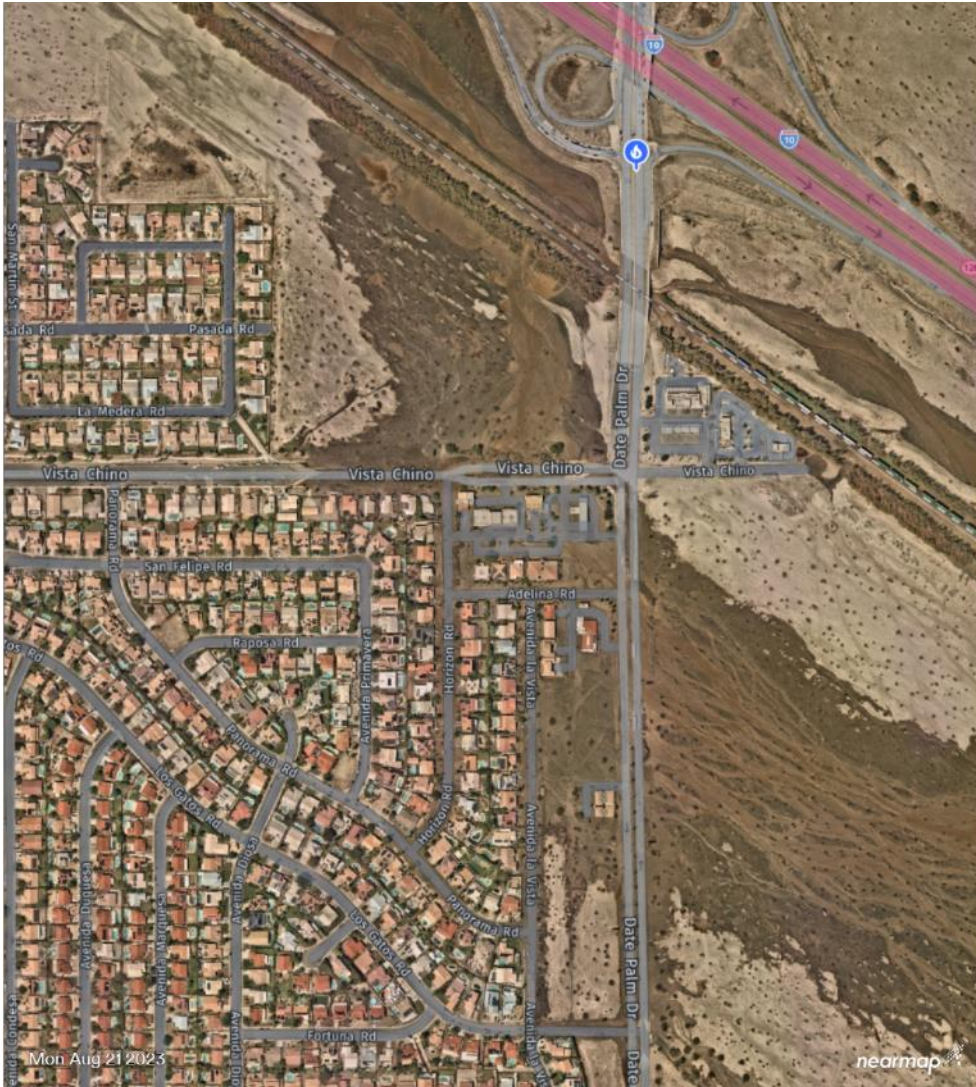
551.06 ft

Train Derailments

N. Gene Autry Trail, Palm Springs



Cathedral City
Date Palm and Vista Chino



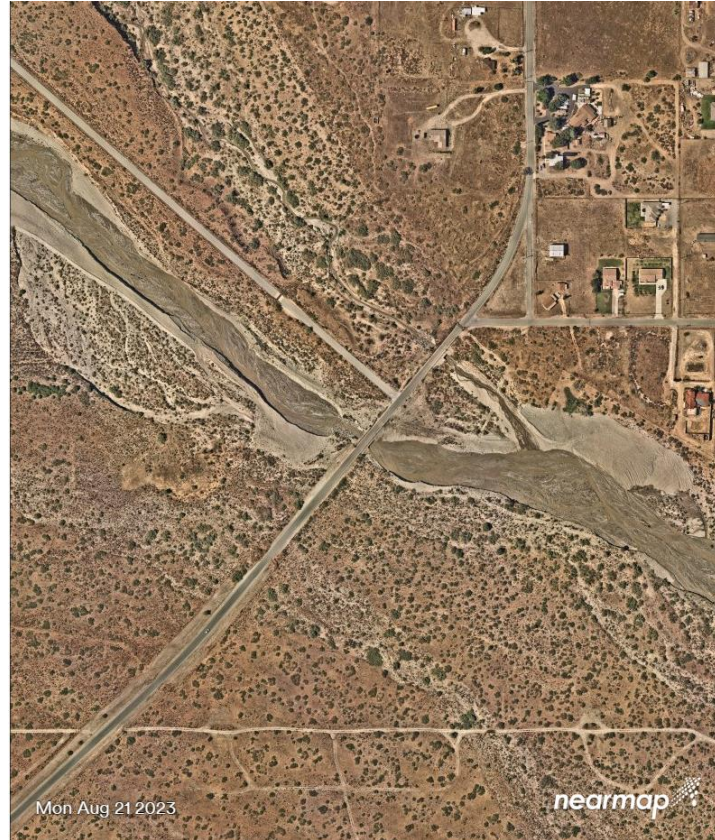
Date Palm and Ramon



San Gorgonio / Whitewater (5-10" of Rain)



Mias Canyon Road @ San Gorgonio River



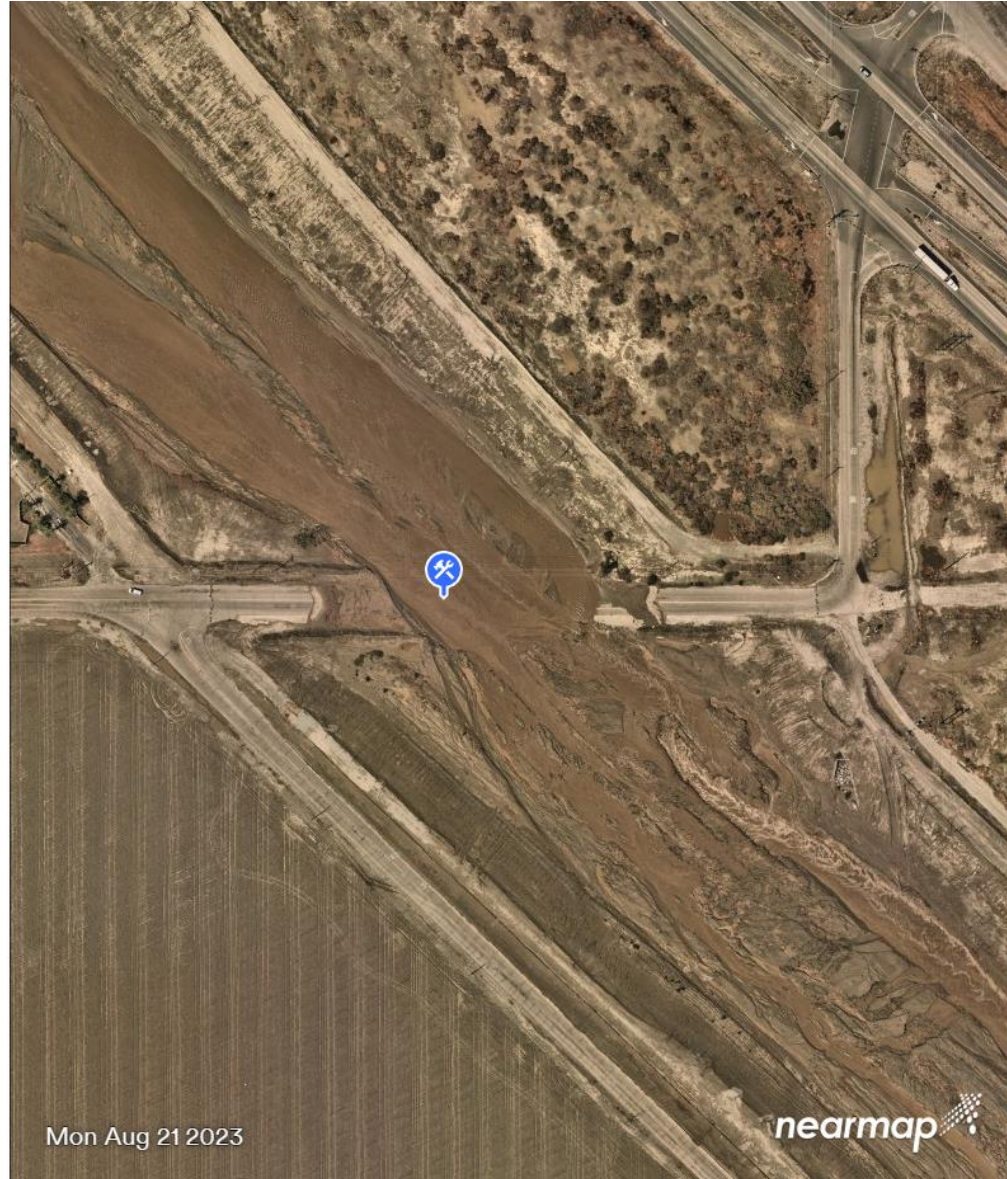
Morongo Road @ San Gorgonio River



Whitewater Rd Bridge Pier scoured and dropped

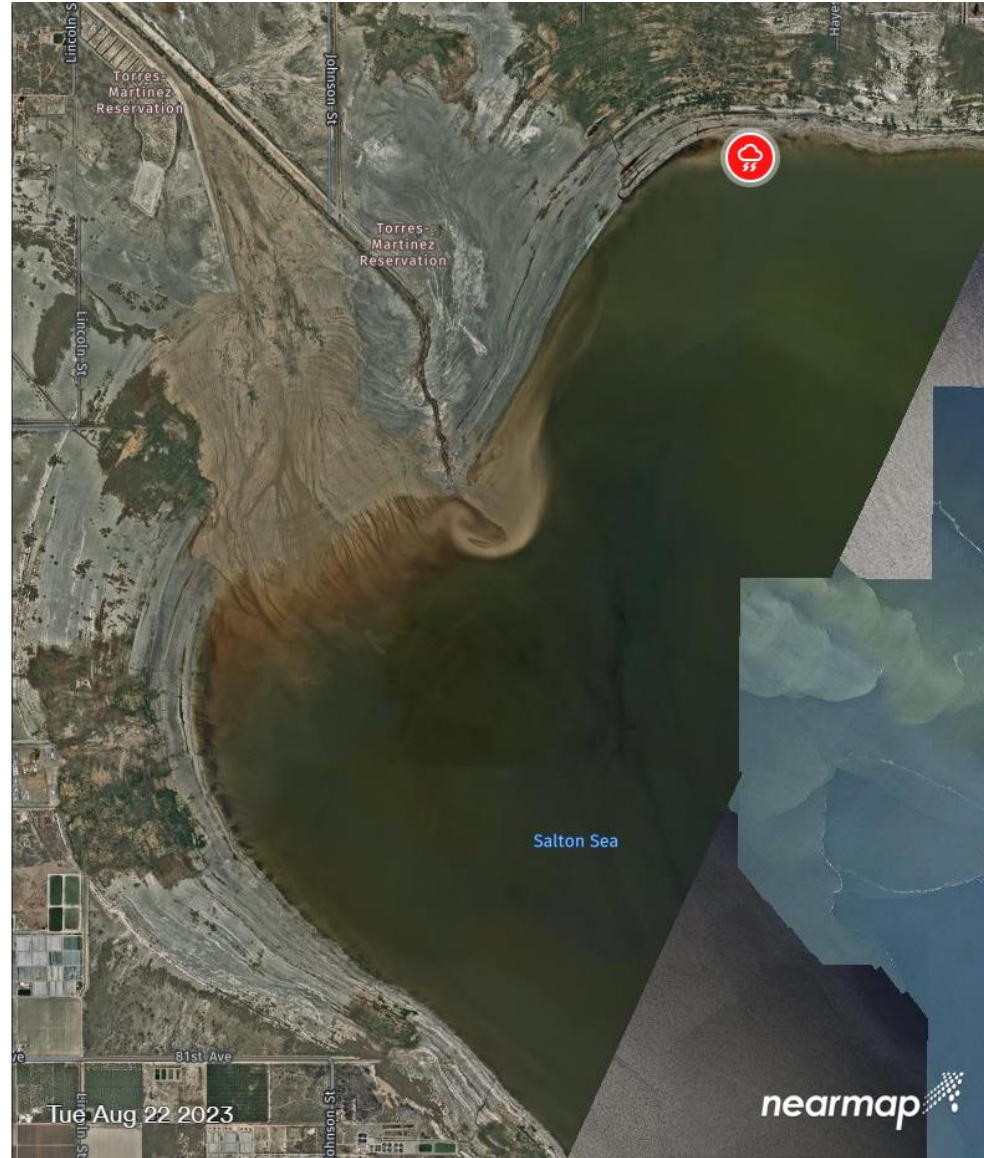
Coachella

Avenue 50 at Whitewater River



Salton Sea

Delta at Whitewater River



Zone 2 Budget Hearing

December 13, 2023



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



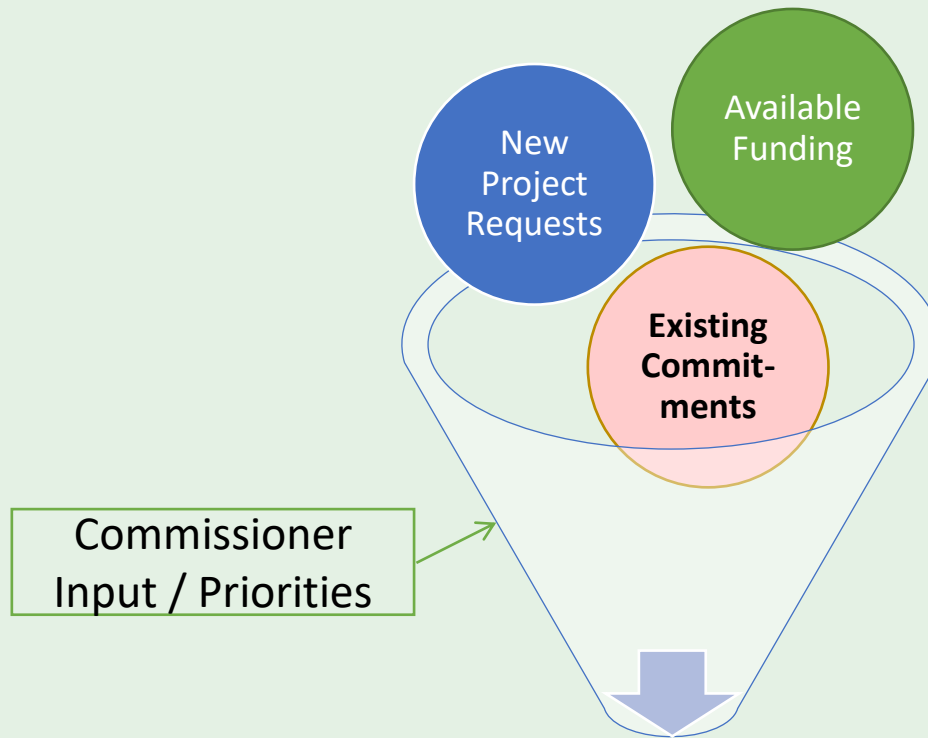
- Riverside County Flood
 - Dams, levees
 - Regional channels and storm drains
- Cities/County
 - Road culverts
 - Smaller storm drains ($\leq 36"$)
 - Catch basins (roadside inlets)
- Rural Property Owners/HOAs
 - Other drainage infrastructure
 - Natural washes



Hearing

New
Project
Requests

Hearing



District Staff Evaluate projects, costs, funding

Workshop





Available
Funding

Darrylenn Prudholme-Brockington

Chief of Finance

ZONE 2

SERENA BURNETT, 2nd District

FRED MEYERS, 2nd District

BAXTER MILLER, 2nd District

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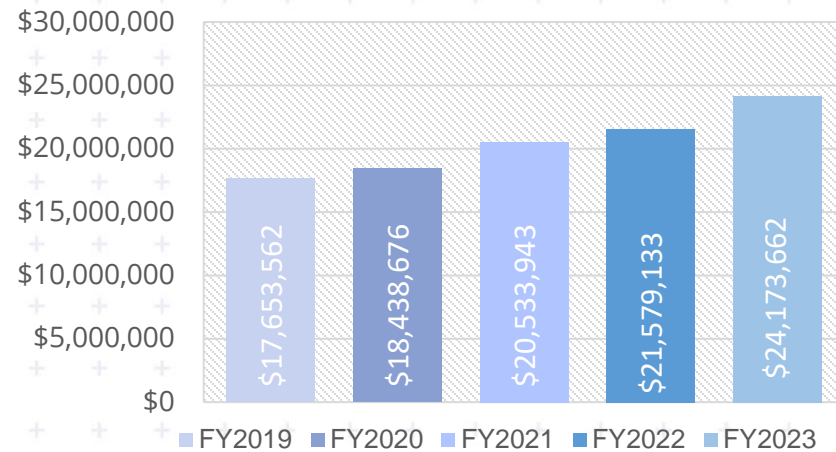
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Property Taxes

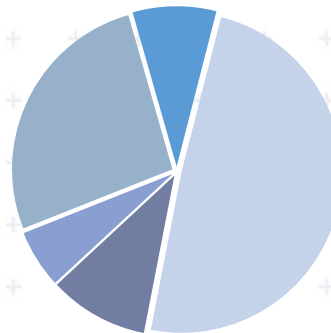
(5 years revenue trend)



Uses

(How the money is used)

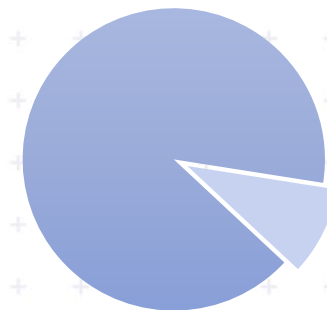
TOTAL \$28,844,000



Sources

(Where the money comes from)

TOTAL \$26,700,000



ZONE 2

SERENA BURNETT, 2nd District

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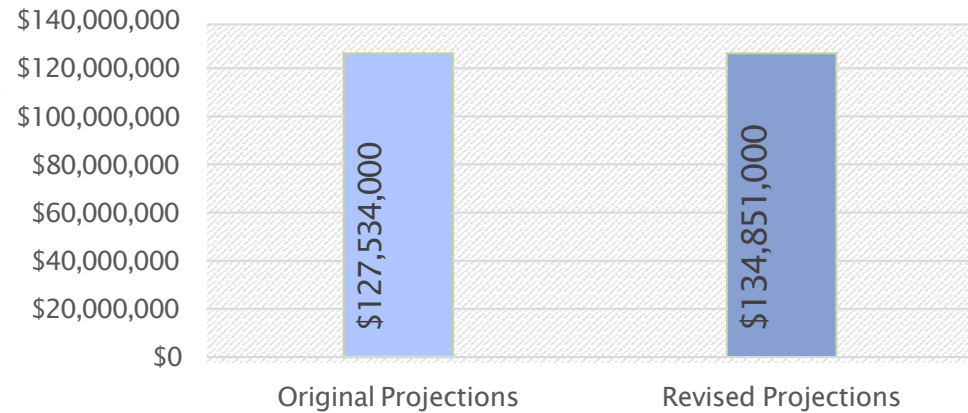
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**Forecasting
FY24-25 thru FY28-29**

Original Projections vs. Revised Projections Additional Property Tax Revenue Available



**Forecasting \$33,778,000 to be available for Cost Increases
on Existing Projects and New Requests**



**Existing
Commitments**



District Projects



Komy Ghods
Chief of Design

Existing
5-Year CIP

Current
Allocations

- **\$182M**
- **40 projects**
 - **10 District-Led**
 - **30 Partner Led**

**RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DISTRICT LED PROJECT SUMMARY - ZONE 2
FISCAL YEARS 2023-24 THROUGH 2027-28**

Project Number	Stg No.	Project Title	Project Cost	Appropriations		Funding Sources (5-Year Total)			Total NOT
			Total Remaining Cost	FY 2023-24 Year 1	FY 2025-28 Years 2-5	Tax Revenue	ADP Contribution	External Contribution	District Funded
DESIGN & CONSTRUCTION PROJECTS									
2-8-00110	90	EL CERRITO CHANNEL RESTORATION	\$3,353,965	\$3,353,965	\$0	\$3,353,965	\$0	\$0	\$0
2-8-00140	11	NORTH NORCO CHANNEL	14,516,429	6,954,672	7,561,757	14,516,429	0	0	0
2-8-00180	03	MOCKINGBIRD CYN STABILIZATION	29,824,912	1,161,766	28,663,146	28,678,367	1,146,545	0	0
2-8-00253	01	BEDFORD CANYON CHANNEL	11,141,855	484,632	10,657,223	10,391,855	0	750,000	0
2-8-00406	01	WOODCREST RINEHART ACRES DRAIN	10,827,356	6,202,534	4,624,822	10,827,356	0	0	0
2-8-00144	01	NORTH NORCO CHANNEL - LINE N-2	4,771,268	0	4,771,268	4,771,268	0	0	0
DESIGN & CONSTRUCTION PROJECTS			\$74,435,785	\$18,157,569	\$56,278,216	\$72,539,240	\$1,146,545	\$750,000	\$0
PLANNING PROJECTS									
2-8-00052	01	TEMESCAL CREEK FLOOD PLAIN AQ	\$18,400,000	\$1,800,000	\$3,400,000	\$5,200,000	\$0	\$0	(\$13,200,000)
2-8-00095	01	LAKE MATTHEWS CAJALCO ROAD SD	2,791,569	368,438	2,423,131	2,791,569	0	0	0
2-6-10000	00	FLOOD CONTROL BASN RETRO STUDY	400,000	0	400,000	400,000	0	0	0
2-8-09058	00	LK MATHWS ESTATS WTR QLTY POND	7,703,719	0	7,703,719	7,703,719	0	0	0
PLANNING PROJECTS			\$29,295,288	\$2,168,438	\$13,926,850	\$16,095,288	\$0	\$0	(\$13,200,000)
ZONE 2 DISTRICT LED PROJECT TOTALS			\$103,731,073	\$20,326,007	\$70,205,066	\$88,634,528	\$1,146,545	\$750,000	(\$13,200,000)

FIVE-YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2023: **\$80,794,448**

REVENUE:

Taxes	\$127,533,808
Interest	\$5,929,337
Rental	\$1,500
Subtotal Revenue	\$133,464,645
External Contribution	\$750,000
Total Five Year Revenue	\$134,214,645
Total Funds Available	\$215,009,093

APPROPRIATIONS:

District Led Project Appropriations	\$90,531,073
Partner Led Project Appropriations	\$91,222,118
Miscellaneous Watershed Protection Projects	\$500,000
Capital Project Cost Inflation	\$3,099,083
Operating & Maintenance Expenses	\$26,850,197
Contingencies	\$2,475,137
ADP Refund - Lake Mathews ADP to MWD	\$5,000
Total Five Year Appropriations	\$214,682,608
ENDING FUND BALANCE - JUNE 30, 2028:	\$326,485

Existing Commitments

**RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PARTNER LED PROJECT SUMMARY - ZONE 2
FISCAL YEARS 2023-24 THROUGH 2027-28**

Project Number	Stg No.	Project Title	Project Cost	Appropriations				Funding Sources			Total NOT District Funded
			Total Remaining Cost	FY 2023-24 Year 1		FY 2025-28 Years 2-5		5-Year Total			
				District Direct Cost	Contribution to Partner Agency	District Direct Cost	Contribution to Partner Agency	Tax Revenue	ADP Contribution	External Contribution	
PARTNER LED CONTRIBUTION PROJECTS											
2-6-10018	50	JCSD RECYCLED WATER DIST SYST	\$31,700,000	\$0	\$2,000,000	\$0	\$13,850,000	\$15,850,000	\$0	\$0	(\$15,850,000)
2-6-10027	00	NORCO MDP LN N-4 EXTENSION	1,928,400	23,400	1,905,000	0	0	1,928,400	0	0	0
2-6-10032	00	CORONA EAST GRAND BLVD SD	1,941,000	0	170,000	61,000	1,710,000	1,941,000	0	0	0
2-6-10038	00	N NORCO DR & GRULLA SD(SUB SD)	1,841,000	51,000	1,790,000	0	0	1,841,000	0	0	0
2-6-10042	00	VAN BUREN SEWER IMPROVMNT PROJ	11,780,000	0	4,220,000	0	0	4,220,000	0	0	(7,560,000)
2-6-10048	00	NORCO ELEMENTARY STORM DRAIN	862,680	22,680	840,000	0	0	862,680	0	0	0
2-6-10049	00	NORCO LATERAL S-1B EXTENSION	705,600	9,600	696,000	0	0	705,600	0	0	0
2-6-10050	00	FIRST STREET STORM DRAIN	882,000	12,000	870,000	0	0	882,000	0	0	0
2-6-10051	00	NORCO CITATION DRIVE STORM DRN	309,000	9,000	300,000	0	0	309,000	0	0	0
2-6-10052	00	NORCO LATERAL S-1C EXTENSION	1,120,450	30,450	1,090,000	0	0	1,120,450	0	0	0
2-6-10053	00	NORCO LATERAL S-5E	1,164,650	31,650	1,133,000	0	0	1,164,650	0	0	0
2-6-10054	00	NORCO MDP LATERAL NA-6	2,613,486	38,486	2,575,000	0	0	2,613,486	0	0	0
2-6-10003	50	RECLMD WTR PIPLN OLD TEMSC RD	500,000	0	0	0	500,000	500,000	0	0	0
2-6-10029	50	BUTTERFELD DR RECL WTR FLW STN	3,757,000	0	0	102,000	3,400,000	3,502,000	0	0	(255,000)
2-6-10031	00	CORONA SOUTH JOY ST SD	1,469,000	0	0	39,000	1,430,000	1,469,000	0	0	0
2-6-10033	00	CORONA SOUTH MAIN STREET SD	3,915,000	0	0	105,000	3,810,000	3,915,000	0	0	0
2-6-10043	00	NORCO TOWN&COUNTRY DR SD	1,002,340	0	0	18,000	650,000	668,000	0	0	(334,340)
2-6-10044	00	NORCO MINOR SD IMPR PARKRDGE	379,750	0	0	6,750	250,000	256,750	0	0	(123,000)
2-6-10045	00	CORONA SD CATCH BASIN RETROFIT	2,020,000	0	0	0	1,000,000	1,000,000	0	0	(1,020,000)
2-6-10046	00	CORONA SOUTH VICTORIA AVE SD	1,531,588	0	0	101,588	1,430,000	1,531,588	0	0	0
2-6-10047	00	CORONA DRAINS LINE 9A	3,812,000	0	0	3,512,000	300,000	3,812,000	0	0	0
PARTNER LED CONTRIBUTION PROJECTS			\$75,234,944	\$228,266	\$17,589,000	\$3,945,338	\$28,330,000	\$50,092,604	\$0	\$0	(\$25,142,340)
PARTNER LED CAPITAL IMPROVEMENT PROJECTS											
2-8-00086	01	NORCO MDP LINE N-3	\$2,854,276	\$221,676	\$500,000	\$7,600	\$2,125,000	\$2,854,276	\$0	\$0	\$0
2-8-00105	00	SANTA ANA RVR BEL PRDO DM BNSF	10,300,000	0	10,300,000	0	0	10,300,000	0	0	0
2-8-00150	02	SOUTH NORCO CH	14,727,148	34,398	750,000	1,365,389	12,577,361	14,727,148	0	0	0
2-8-00164	01	NORCO MDP LINE S-2	1,670,750	45,750	1,625,000	0	0	1,670,750	0	0	0
2-6-09104	00	WEST NORCO CHANNEL EXT	2,464,800	0	0	45,000	1,600,000	1,645,000	0	0	(819,800)
2-8-00060	02	NORTH MAIN STREET CHANNEL	4,574,000	0	0	100,000	4,474,000	4,574,000	0	0	0
2-8-00280	01	CORONA MDP LINE 5 STG 1	3,769,789	0	0	259,789	3,510,000	3,769,789	0	0	0
2-8-00304	60	EASTVALE MDP LINE D WQ	1,064,756	0	0	232,915	831,841	1,064,756	0	0	0
2-8-00310	60	EASTVALE MDP LINE E WQ	523,795	0	0	114,580	409,215	523,795	0	0	0
PARTNER LED CAPITAL IMPROVEMENT PROJECTS			\$41,949,314	\$301,824	\$13,175,000	\$2,125,273	\$25,527,417	\$41,129,514	\$0	\$0	(\$819,800)
ZONE 2 PARTNER LED PROJECT TOTALS			\$117,184,258	\$530,090	\$30,764,000	\$6,070,611	\$53,857,417	\$91,222,118	\$0	\$0	(\$25,962,140)

Zone 2
Report to the Zone Commissioners
November 2023

Active District-Led Design Projects

Temescal Creek Flood Plain Acquisition, Stage 1 (2-8-00052-01)

This is a District-led project to identify and acquire up to 541 acres worth of parcels from willing sellers along the Temescal Canyon Wash that are subject to flood hazards. The approximate limits of the acquisition are between Magnolia Avenue to the north and Lake Street to the south along Temescal Creek. This is a non-structural flood hazard mitigation program with the potential to preserve or restore the natural habitat, improve water quality, recharge groundwater aquifers and/or provide recreational opportunities. This project is funded by the District. Since the start of the project to date, the District has acquired 14 parcels with plans to acquire two additional parcels for the project in Fiscal Year 23-24.

Lake Mathews Cajalco Road Storm Drain, Stage 1 (2-8-00095-01)

This is a District-led project to reduce street and residential flooding near Cajalco Road in the Lake Mathews area. The project consists of an upstream sediment basin as part of the Metropolitan Water District (MWD) Lake Mathews Water Quality Master Plan and 615 feet of 72-inch diameter reinforced concrete pipe conveying water from the basin north across Cajalco Road and discharging to the natural waterway. This project is funded by the District. The District is currently working on the Project Charter, which will identify project scope, objectives, potential alternatives, obtain topographic survey of the site and define roles and responsibilities for the project stakeholders.

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

This District-led project replaces approximately 2,300 feet of existing concrete trapezoidal channel with higher capacity reinforced concrete box and concrete rectangular channel of varying dimensions. The primary objective is to provide 100-year flow capacity within the proposed facility and remove the existing Federal Emergency Management Agency (FEMA) floodplain. The project collects flows from two existing storm drain systems at the El Cerrito Road-Temescal Canyon Road/Ontario Avenue intersection and conveys the water northeasterly to Temescal Creek. The District will be responsible for operation and maintenance of the project improvements. This project is funded by the District. The District advertised the project for construction in January 2023. Mamco, Inc. was the apparent low bidder with the low bid at \$4,254,444. A Notice to Proceed was issued to the contractor in July 2023, and the project is currently in active construction.

Construction Projects

North Norco Channel Line NB, Stage 3

Construction Cost
\$2.5M

- Provides 100 YR floodplain protection for Residents
- Incorporates permeable paver channel invert
- Substantially complete

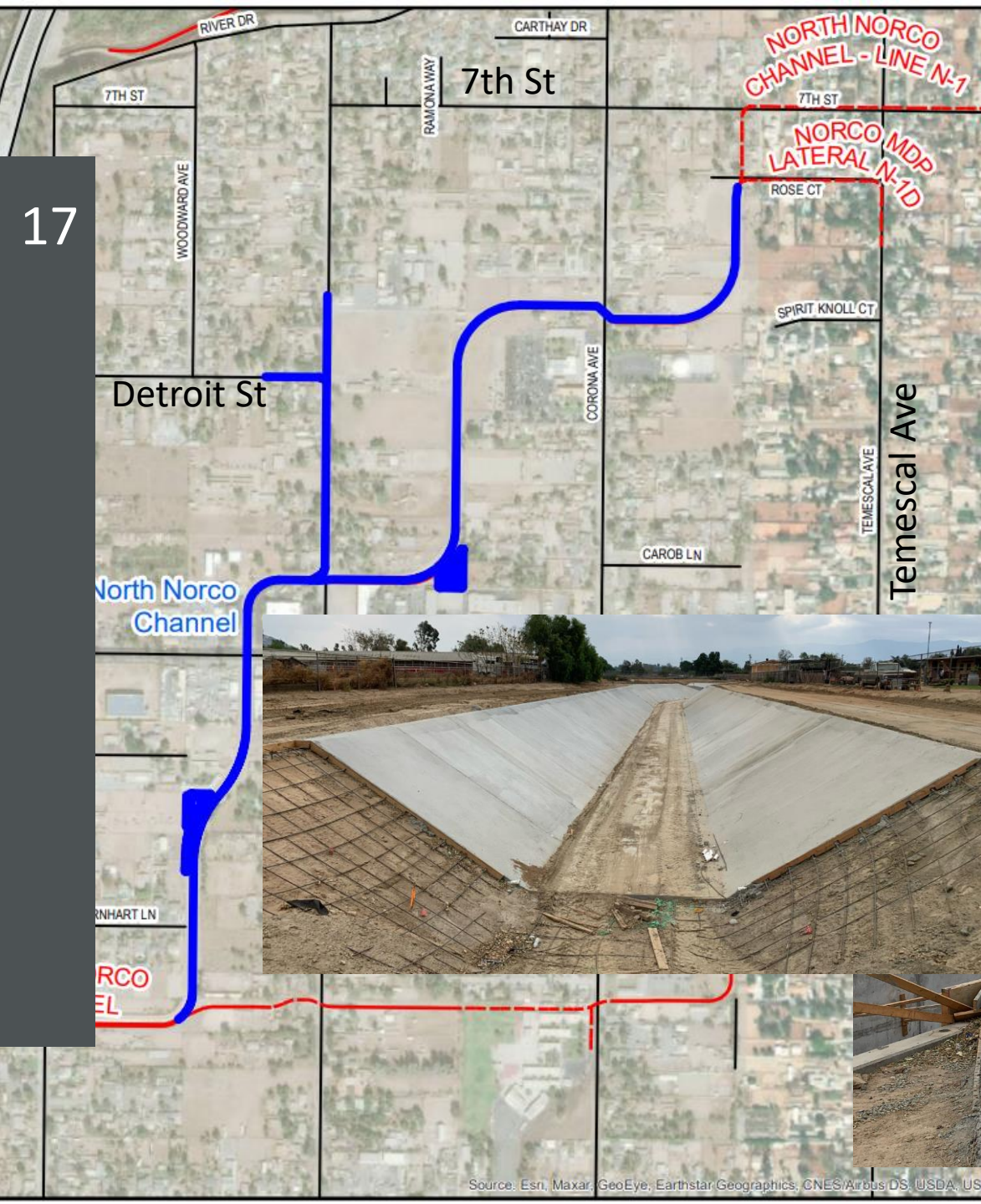


El Cerrito Channel - \$4.5M

NTP July 2023



17



North Norco Channel Stg 11

- \$12.5M Under Construction
- Reduces FEMA floodplain
- NTP issued July 2023
- Expected complete by Summer 2024



The background of the slide features several rolled-up architectural blueprints. The blueprints are white with black lines and text, showing various floor plans and technical drawings. Dimensions and numbers are visible throughout the drawings. The blueprints are arranged diagonally across the frame, with some unrolled and others partially rolled. The overall aesthetic is clean and professional, with a light blue tint applied to the entire image.

Active Design Projects

District-Led



- \$41M Project
- Protects Mockingbird Canyon road and adjacent residents.
- Advertise in 2026

Mockingbird Canyon Stabilization

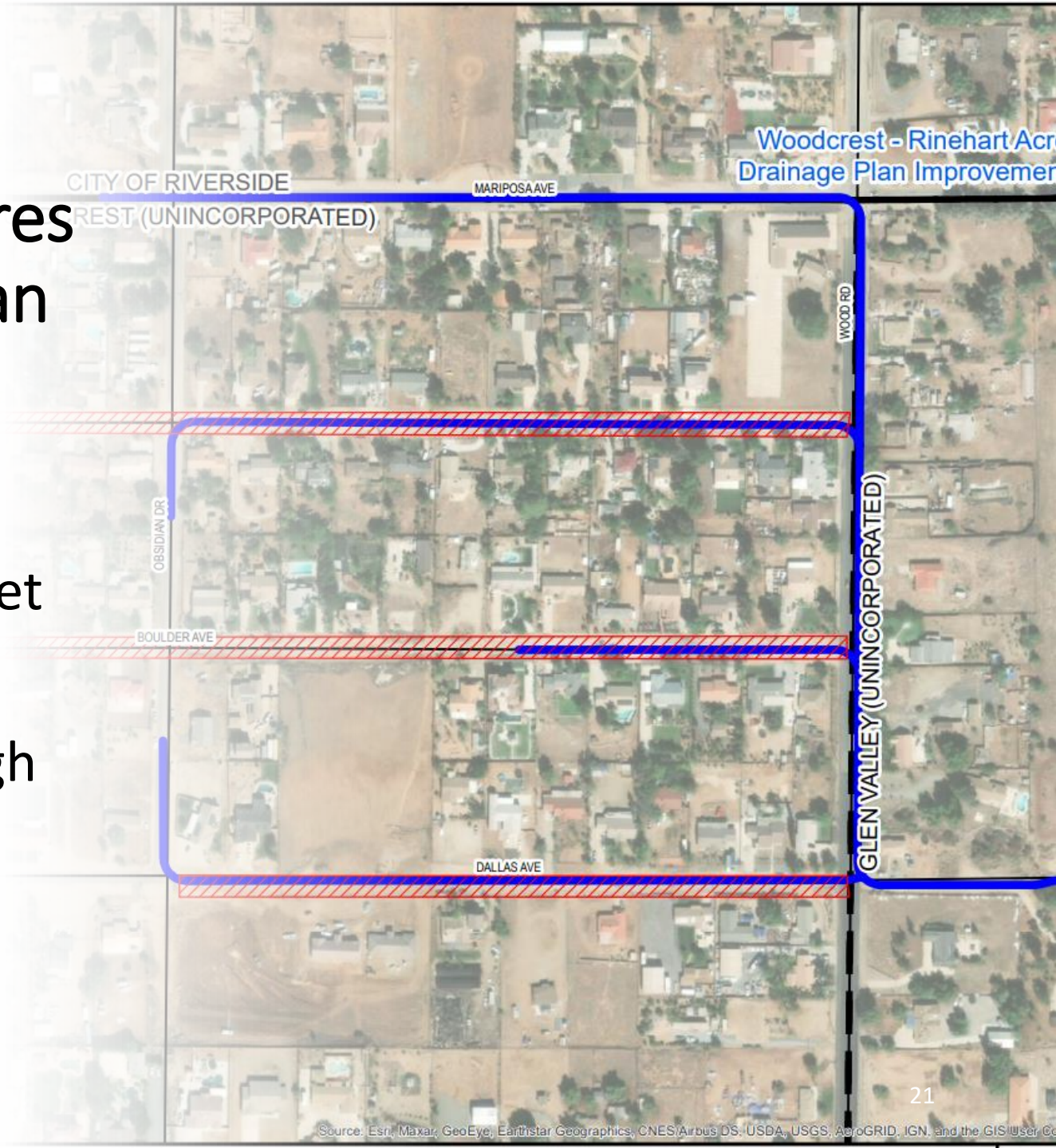
Bedford Canyon Channel Stabilization

- \$11M
- Design Plans are 90% complete
- Advertise late 2024



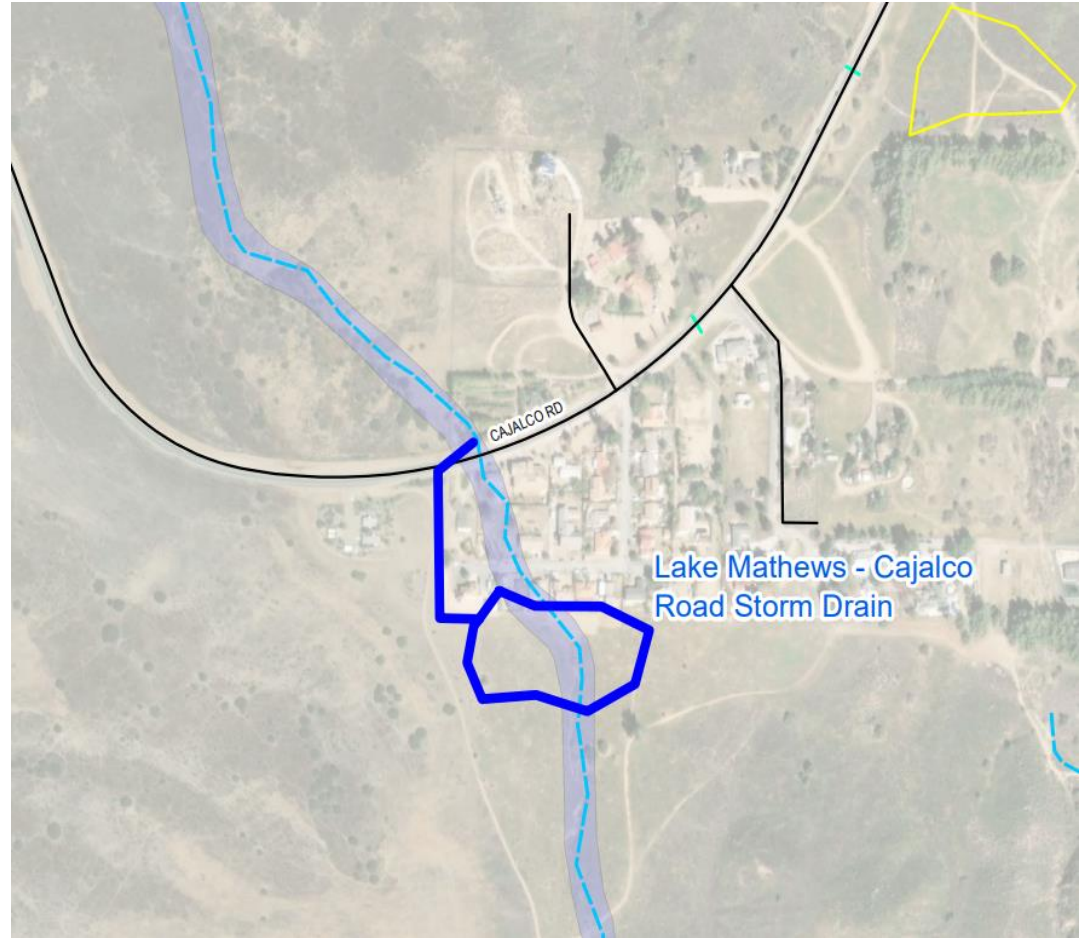
Woodcrest Rinehart Acres Drainage Plan


- \$12.5M
- Storm and Street improvements to reduce flooding through community
- Advertise 2024



Cajalco Road Storm Drain

- \$6M
- New mapping completed
- Charter wrapping up early 2024
- Detail Design to follow





**Existing
Commitments**



Partner Projects



Deborah de Chambeau
Chief of Planning

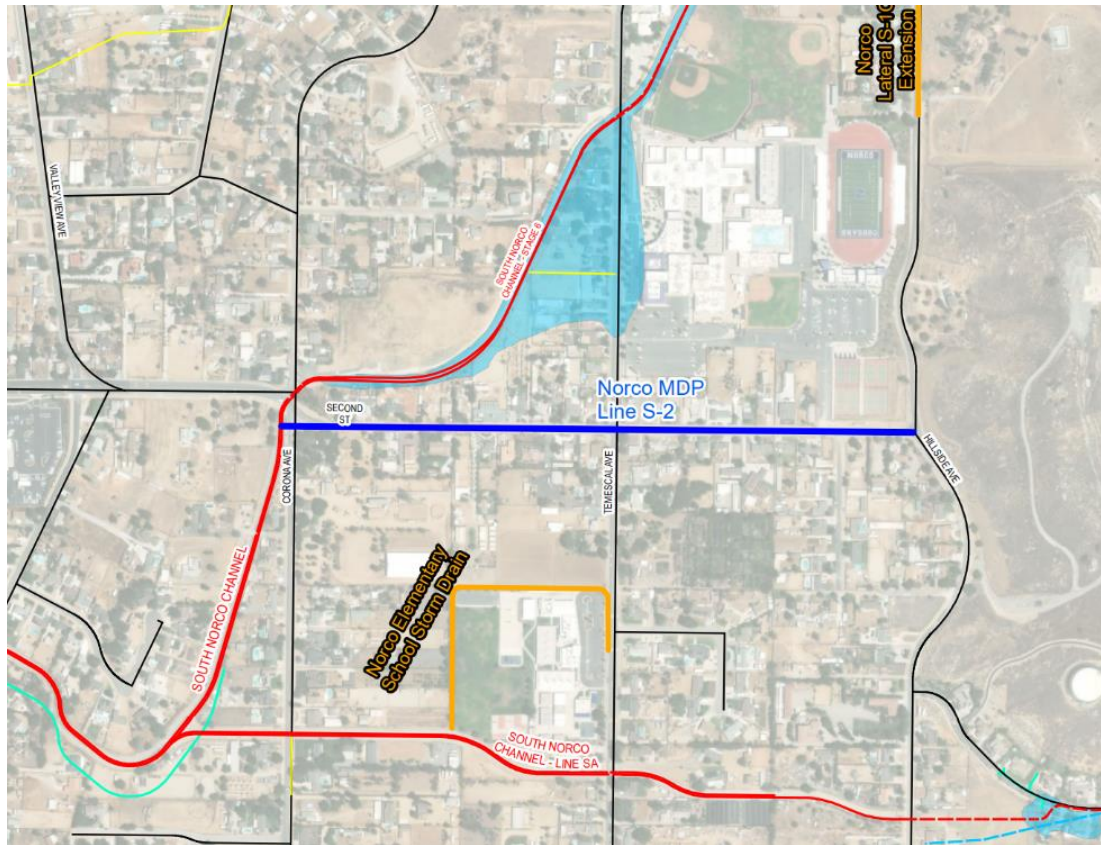


Partner Projects



- \$91M Total Existing Allocation
- 30 Projects

Completed Projects

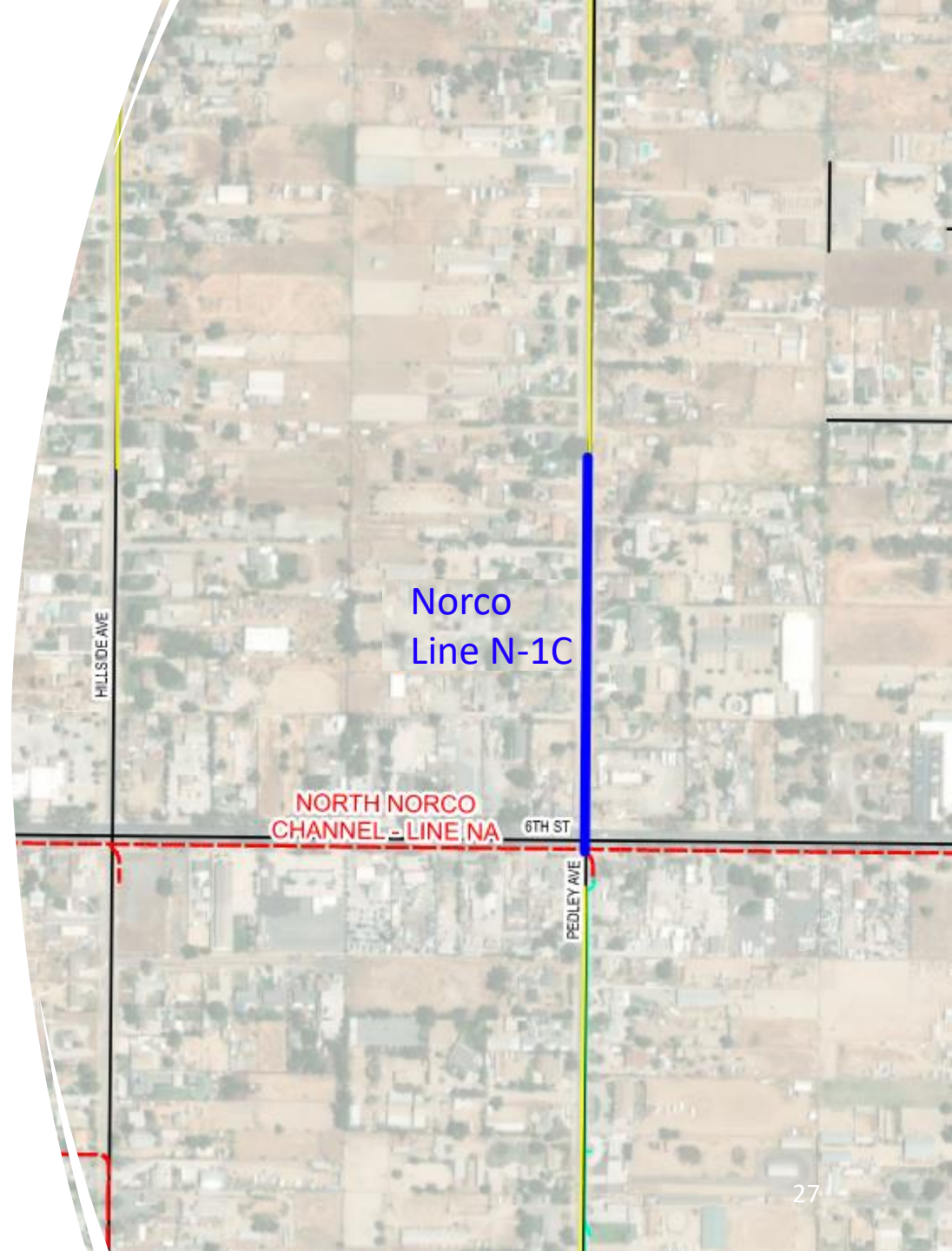


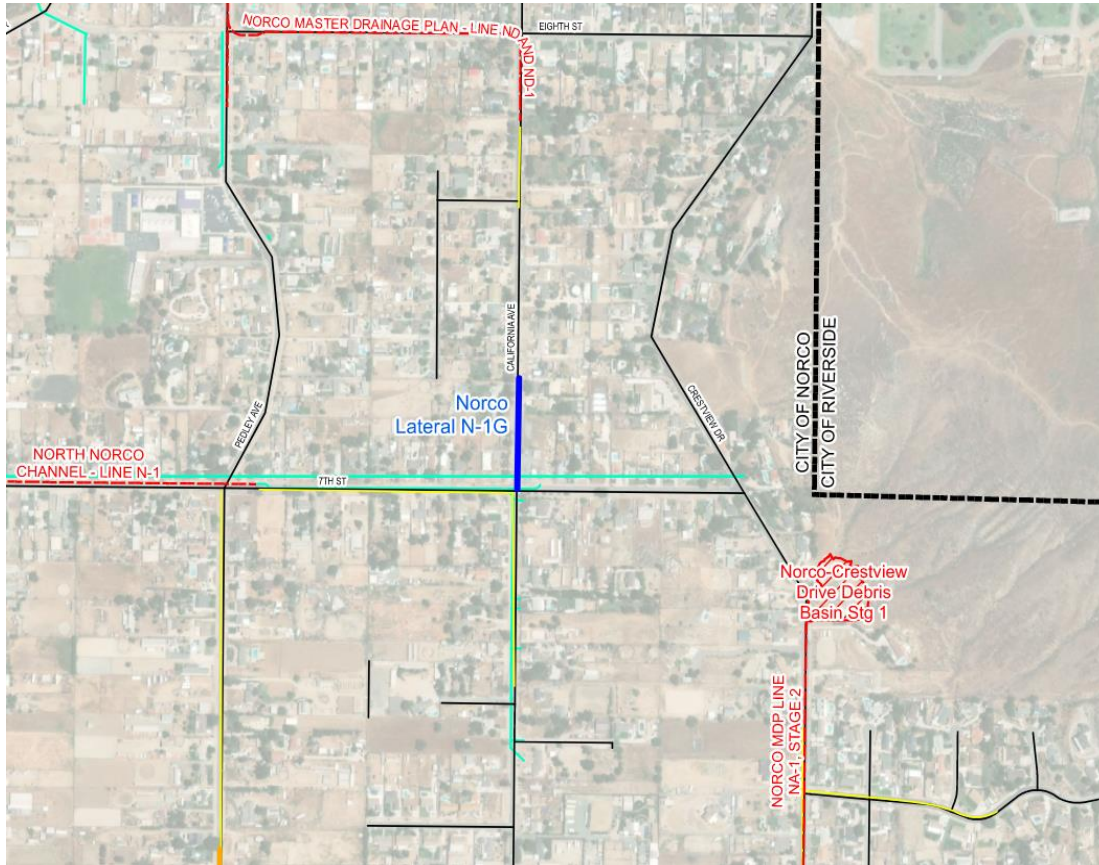
- Construction is complete
- City of Norco-led project

Norco MDP Line S-2

North Norco Line N-1C

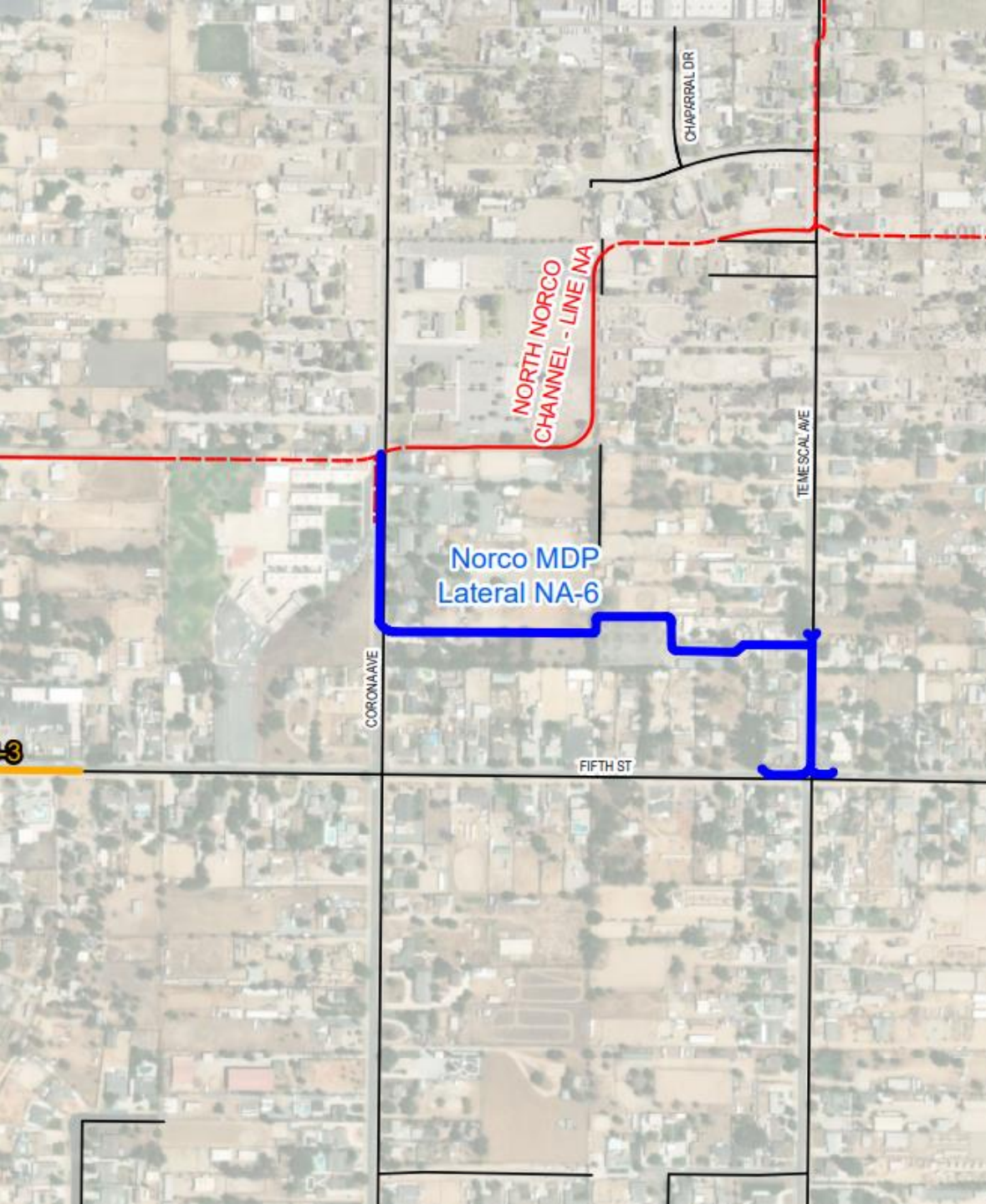
- Construction is complete
- City of Norco-led project





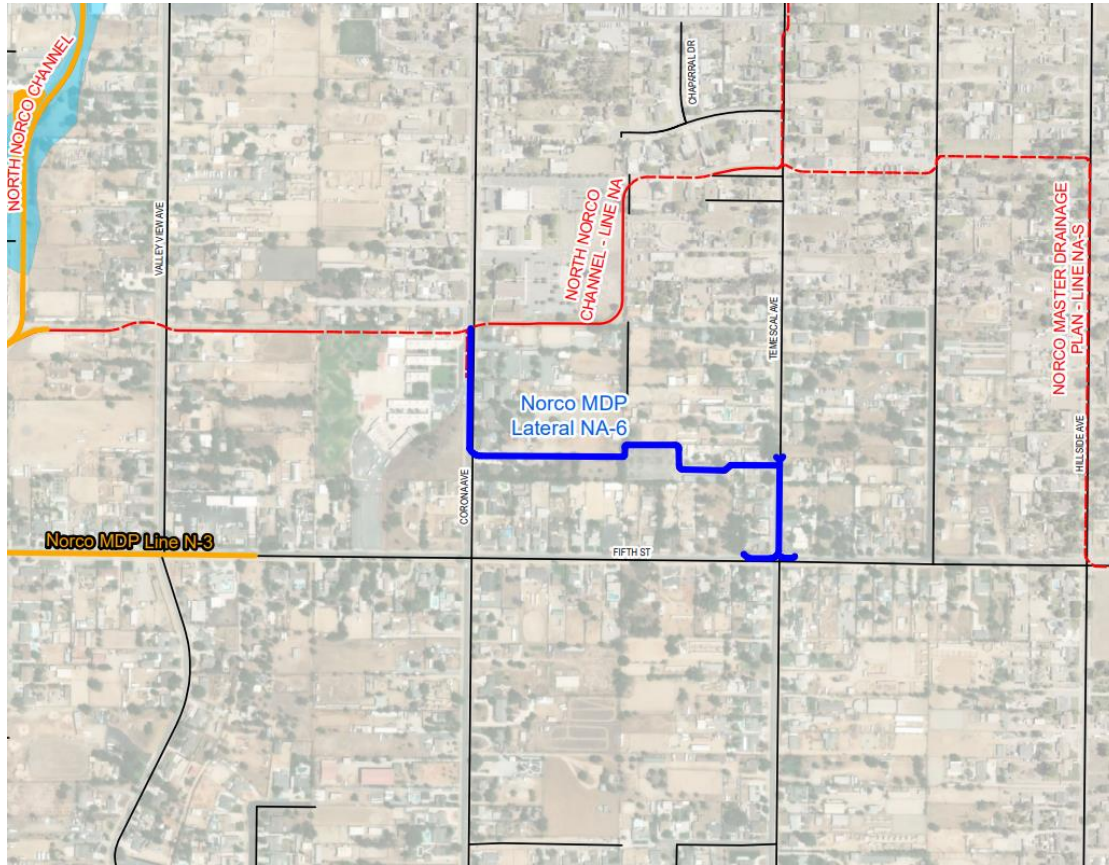
- Construction Completed in October 2023
- Funded \$0.6M
- City of Norco-led project to reduce flooding on California Avenue

Norco Lateral N-1G



Norco Lateral NA-6

- Construction Completed in November 2023
- Funded \$2.5M
- City of Norco-led project to install storm drain in Corona Avenue, 5th Street and Temescal Avenue



- Construction Completed in November 2023
- Funded \$0.8M
- City of Norco-led project

Norco Elementary School Storm Drain

Active Projects

Reclaimed Water Pipeline
- WRCRWA Bluff St

Reclaimed Water Line WRCRWA Bluff Street





Norco Lateral S-1B Extension

South
Norco
Channel,
Stg 2

South Norco Channel

MOUNTAIN AVE

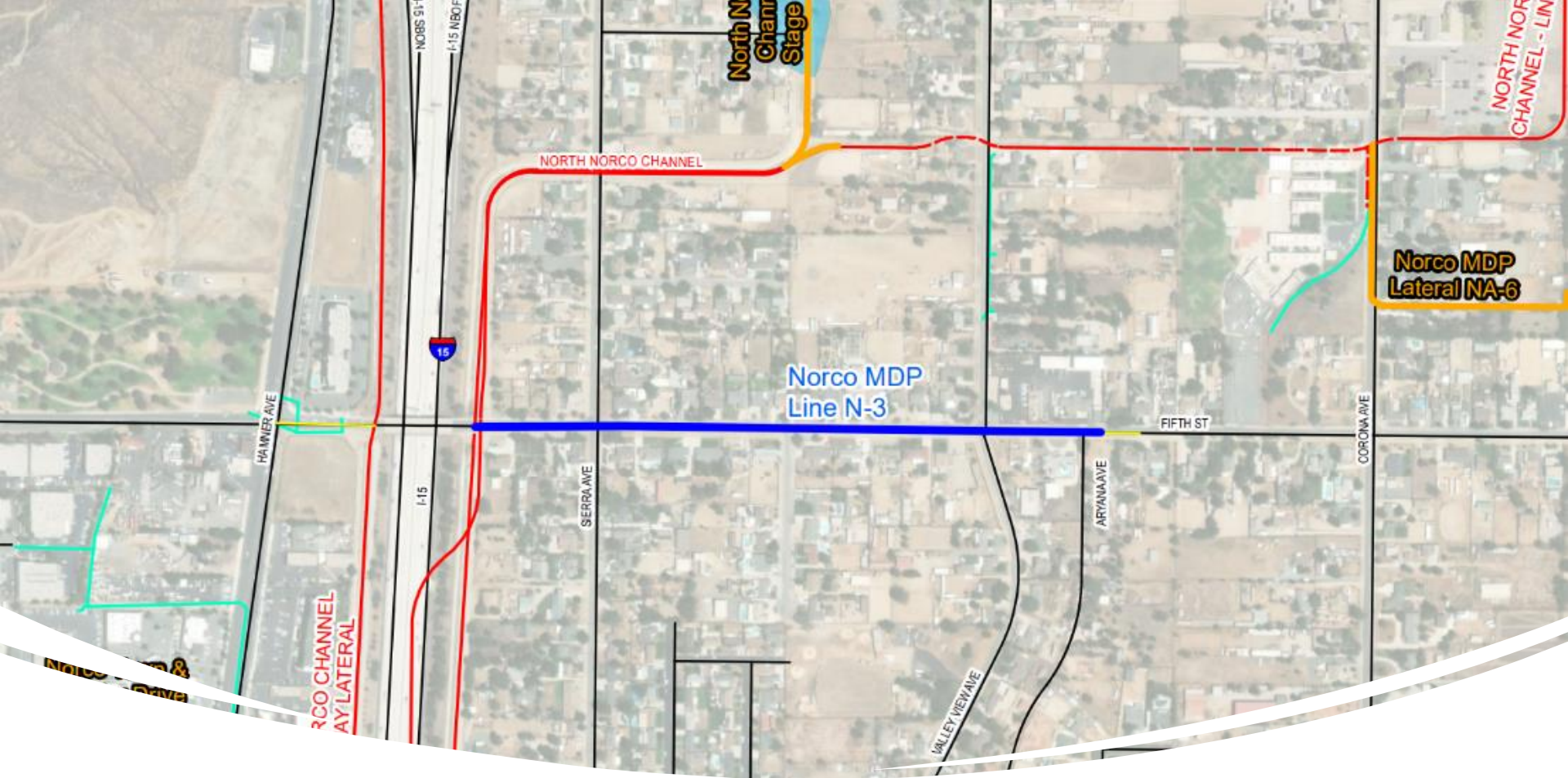
INDUSTRIAL AVE

FIRST ST

HAMNER AVE

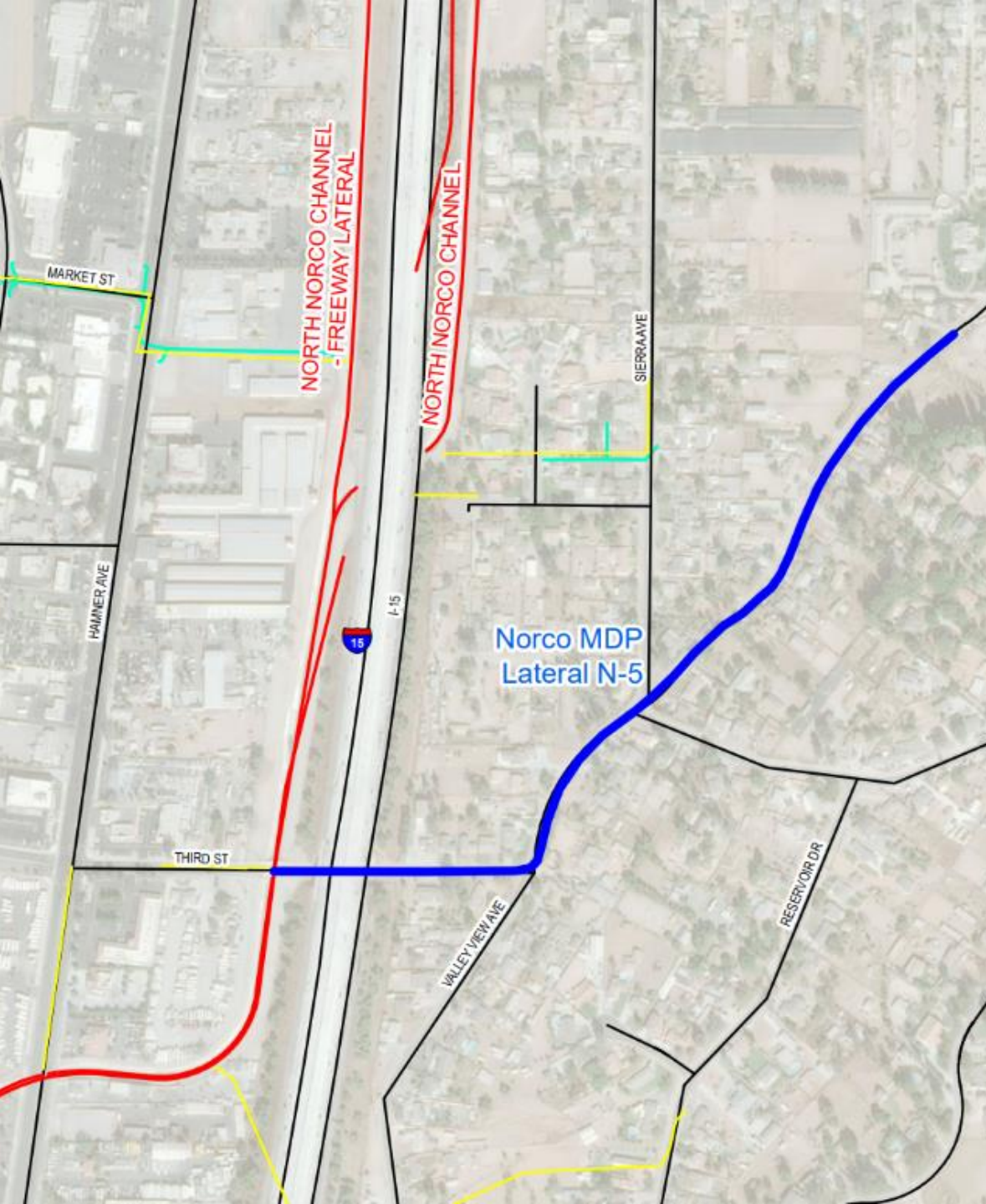
MOUNTAIN AVE

HIDDEN VALLEY PKWY



Norco MDP Line N-3

- City of Norco-led project
- 2,100 LF of underground storm drain
- Along Fifth Street



Norco MDP Lateral N-5

- City of Norco-led project
- 2,600 LF of underground storm drain
- Along Valley View Avenue



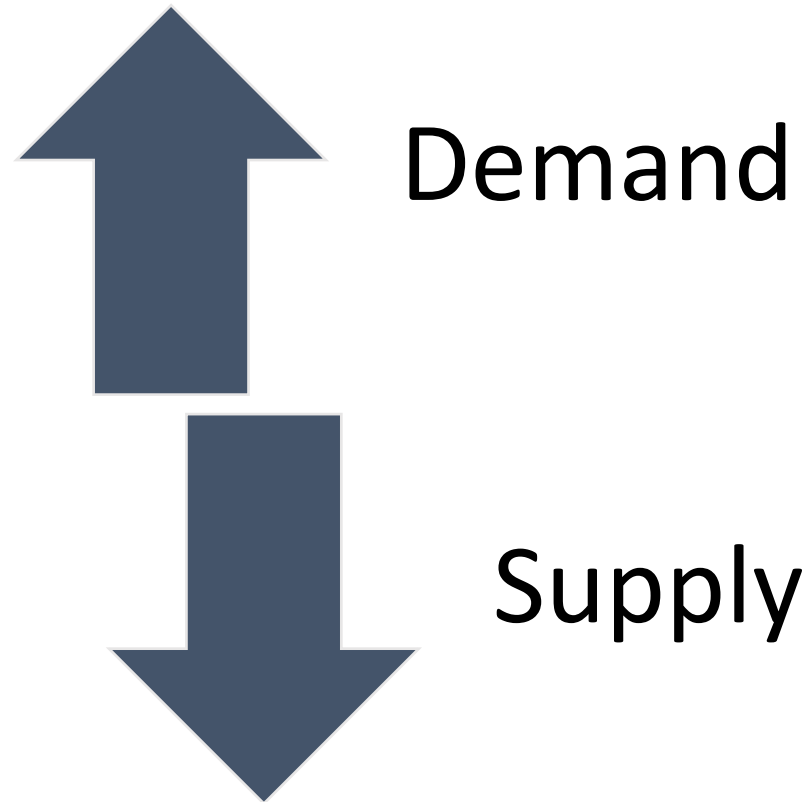
Norco First Street Storm Drain

- City of Norco-led project
- 900 LF of underground storm drain
- Along First Street

A blurred background image of a financial chart or document. It features a line graph with a peak and a dip, a pen resting on the right side, and some handwritten numbers like '2,47' and '5'.

Recent Activity and Trends

Recent Issues



- Construction Costs
 - 25-30% increase
- Construction Delays
 - 3-8 month lead times
- Est. inflation may absorb all available funds



New Project
Requests



Public Input

New Funding Requests Received to Date

Norco (\$3.5M)

- Corona Ave SD Improvement (\$1.1M)
- Mescalita Lane SD Improvement (\$0.2M)
- Valley View SD (5th to 6th Street) (\$1.1M)
- Valley View SD (4th to 5th Street) (\$1.1M)

District (\$0.4M)

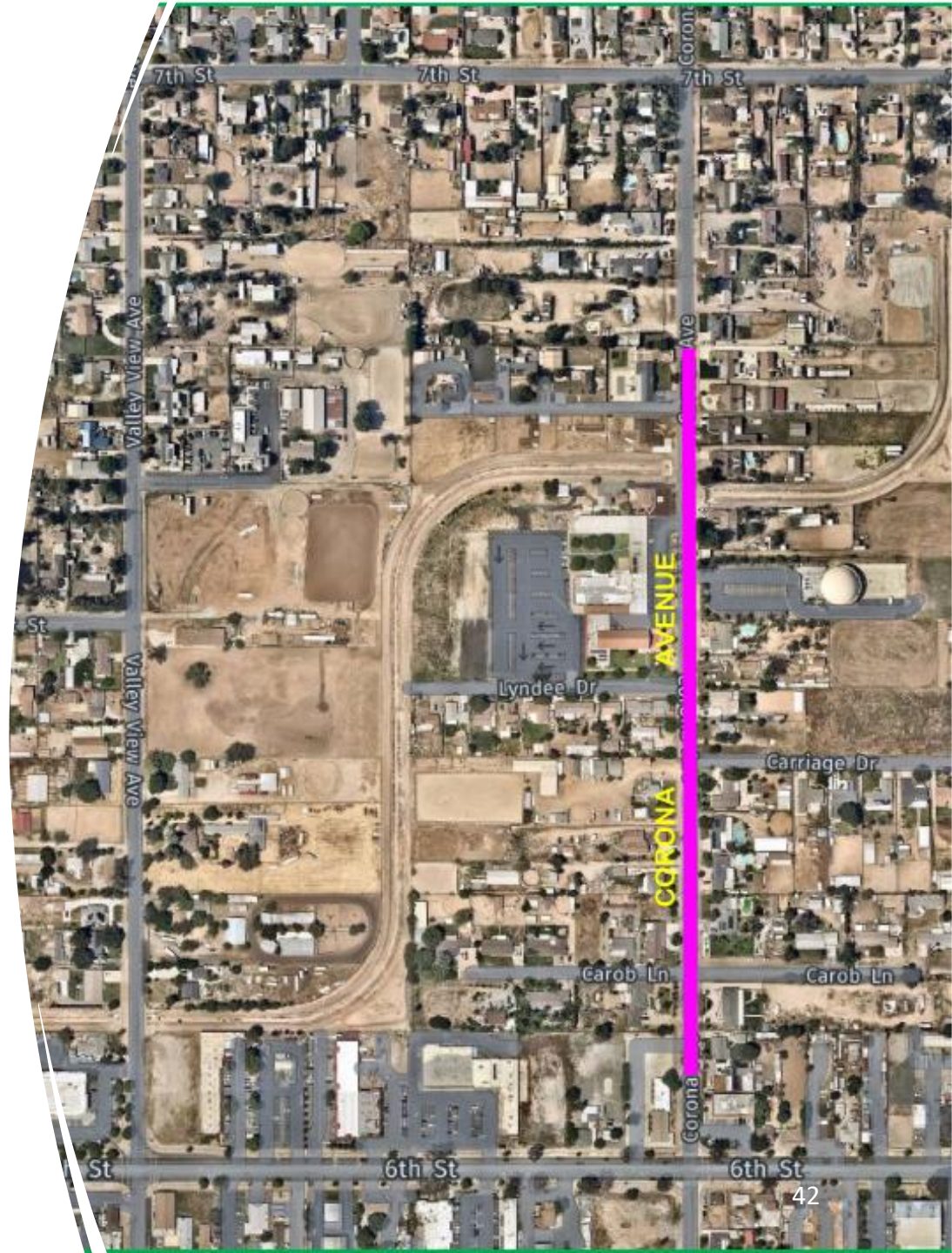
- PCB Remediation Temescal Creek Channel (\$0.4M)

Jurupa Community Service District (\$10M)

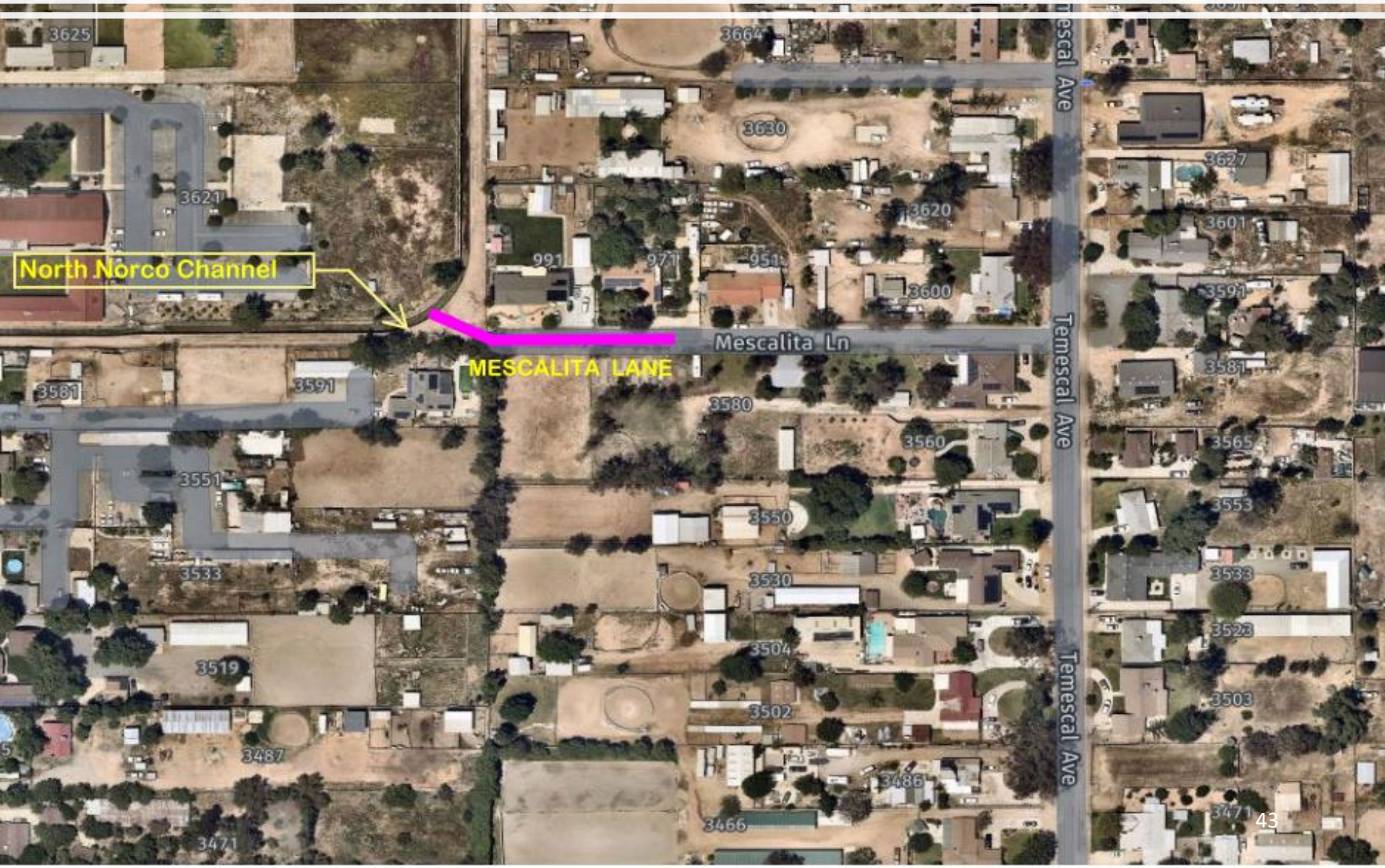
- Heli Hydrant Fire Protection System Phase 2 (\$0.5M)

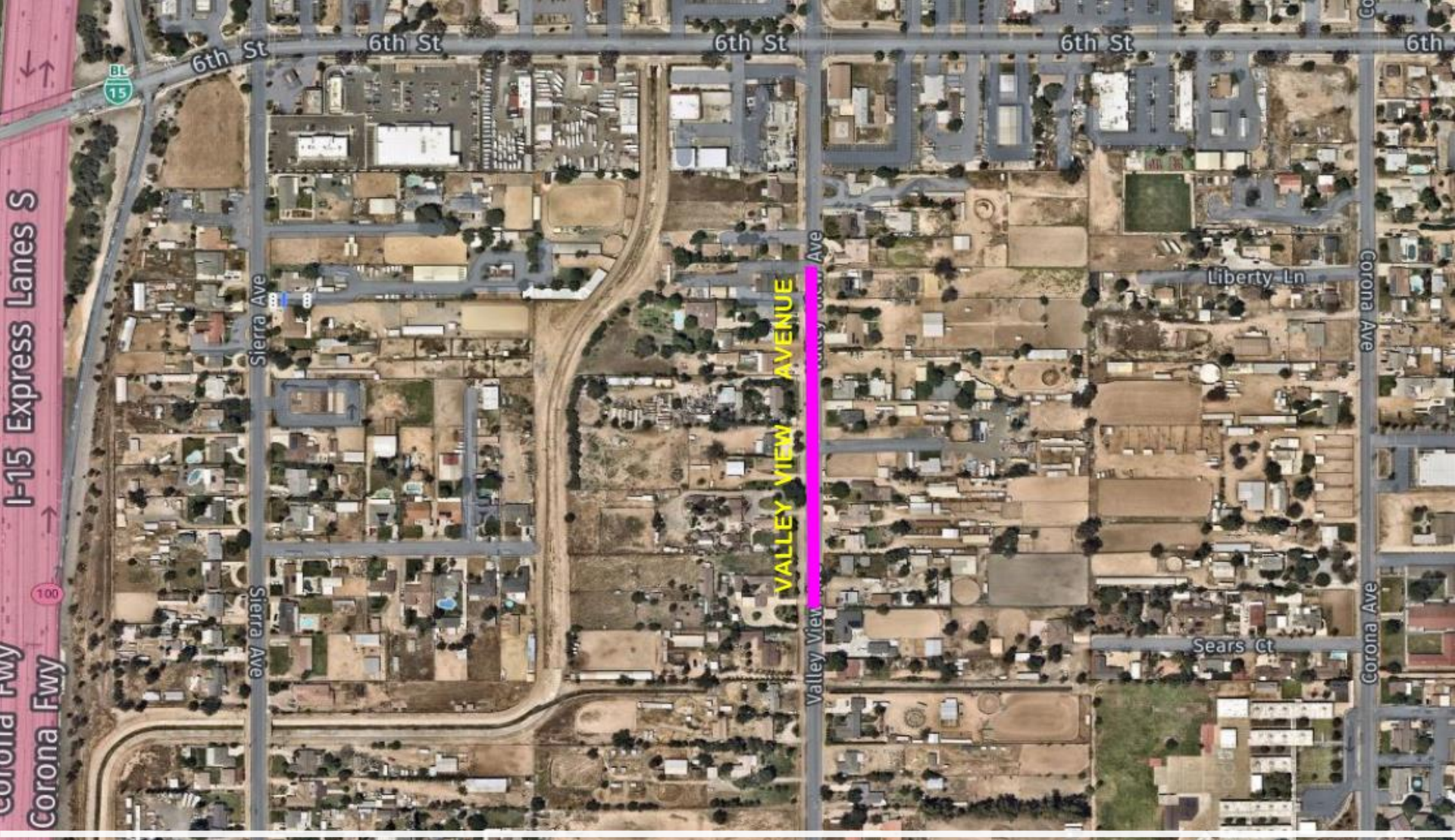
Total +\$4.4M

CORONA AVENUE STORM DRAIN IMPROVEMENT



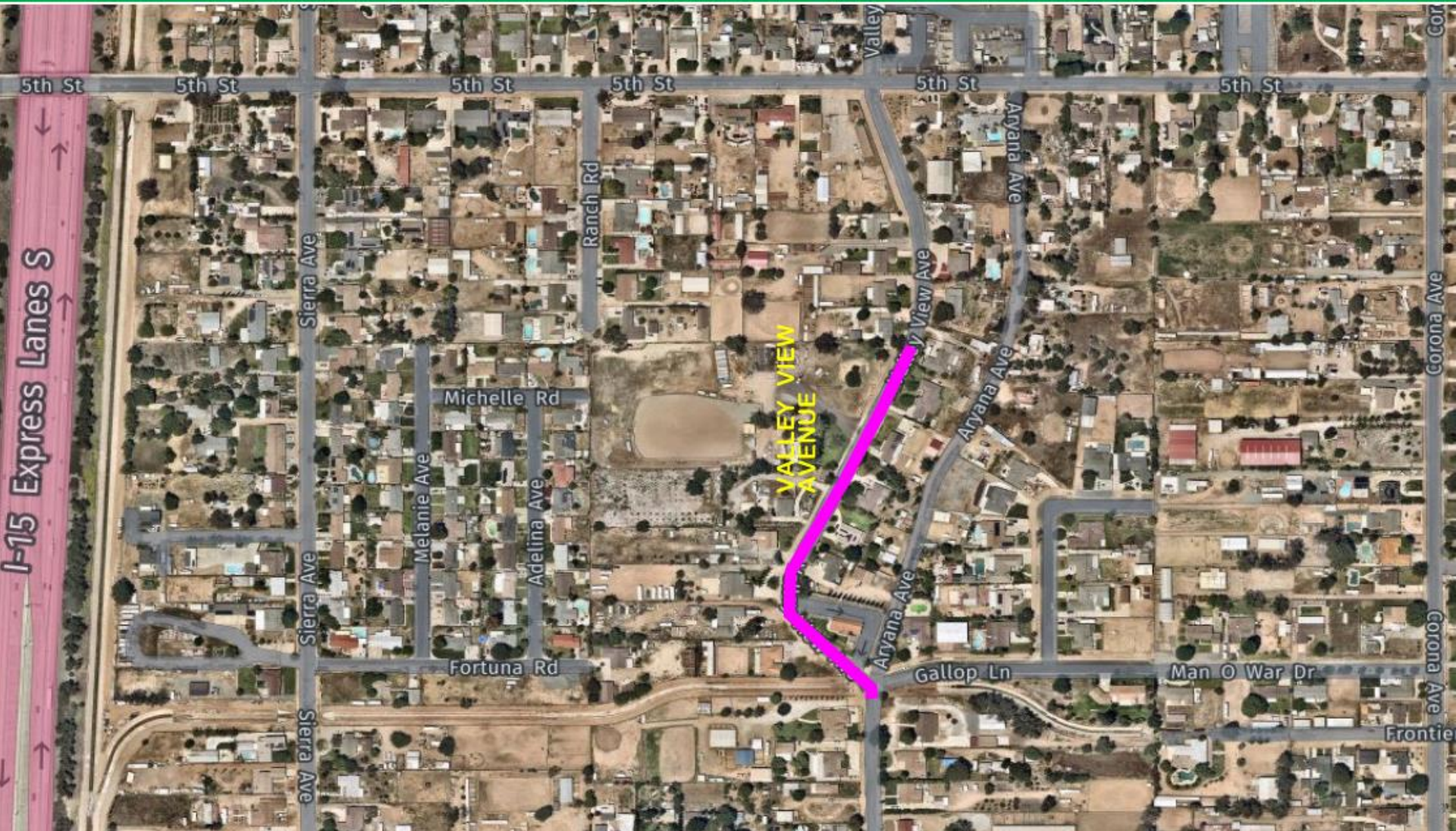
MESCALITA LANE STORM DRAIN IMPROVEMENT





VALLEY VIEW [FROM 5TH TO 6TH STREET] STORM DRAIN IMPROVEMENT



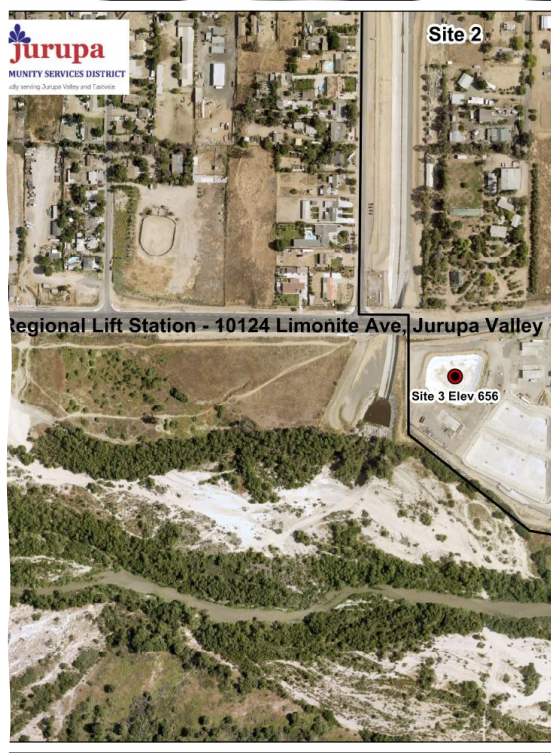


VALLEY VIEW [4TH TO 5TH STREET] STORM DRAIN IMPROVEMENT



PCB REMEDIATION TEMESCAL CREEK CHANNEL





HELI HYDRANT FIRE PROTECTION SYSTEM PHASE 2

