



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 Thursday, December 8, 2022 at the Riverside County Flood Control District office, 1995 Market Street, Riverside.

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

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

The Budget Work Session is set for 2:00 p.m. on Thursday, February 16, 2023 at the Riverside County Flood Control and Water Conservation District office, 1995 Market Street, Riverside. The purpose of the meeting is to discuss the budgeting of projects for Fiscal Year 2023-2024.

ZONE 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 2021–2022

JULY 1, 2021 \$83,008,974

JUNE 30, 2022 \$91,587,214

Sources

(Where the money comes from)

TOTAL \$22,108,000

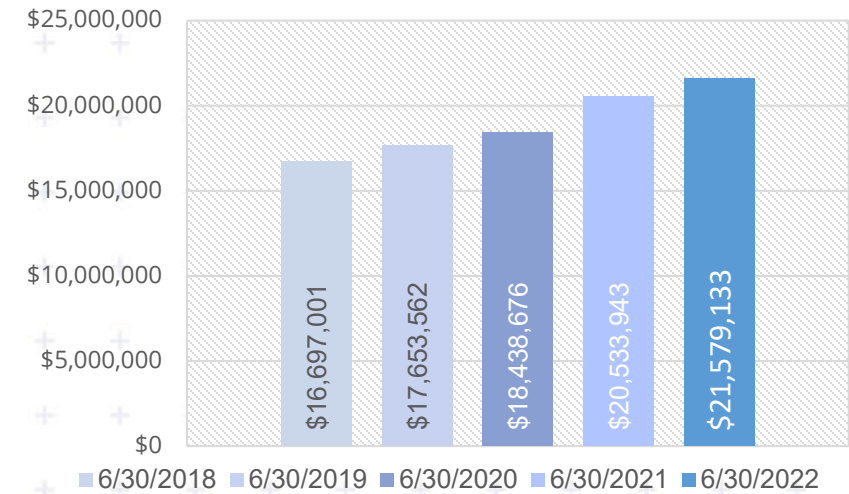


Other – 2% \$529,000

Property Taxes – 98% \$21,579,000

Property Taxes

(5 years revenue trend)



Expenditures

(Where the money is spent)

TOTAL \$13,530,000



Salaries & Benefits – 58% \$7,866,000

Capital Assets – 4% \$559,000

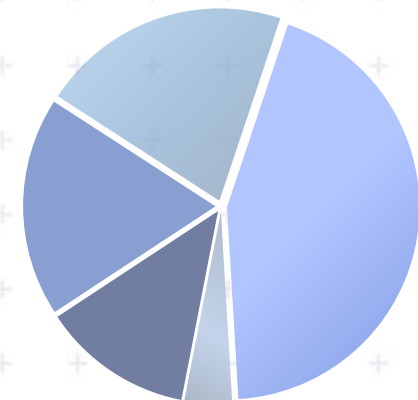
Other – 3% \$337,000

Services & Supplies – 35% \$4,768,000

Uses

(How the money is used)

TOTAL \$13,530,000



District Led Projects – 21% \$2,839,000

Maintenance – 18% \$2,491,000

Partner Led Projects – 4% \$541,000

Administration – 44% \$5,943,000

General Zone Work – 13% \$1,716,000

ZONE 2

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TED HOFFMAN, 2nd District

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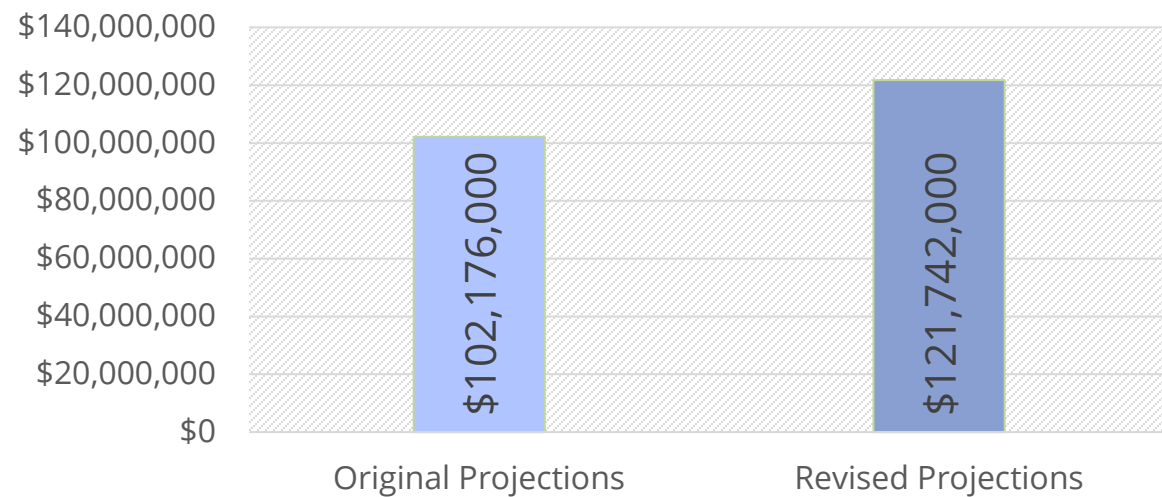
The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

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

Original Projections vs. Revised Projections Additional Revenue Available



**Forecasting \$43,302,000 to be available for Cost Increases
on Existing Projects and New Requests**

Zone 2
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
September 2022

Completed Projects

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 District is currently working with the City on the draft of the cooperative funding agreement. The City plans to install the devices this Fiscal Year 22-23.

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

These City of Norco-led and District funded projects are 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 facility has been constructed and accepted by the City of Norco.

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 facility has been constructed and accepted by the City of Norco.

Active District-Led Projects

El Cerrito Channel Restoration (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 is finalizing 100% design plans and anticipates advertising the project for construction in the fall of 2022.

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. 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 flow 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 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 by December 2022.

Zone 2
Report to the Zone Commissioners
September 2022

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 feet of underground storm drain that will capture storm flows beginning at Corona Avenue and convey them westerly along Sixth Street to North Norco Channel, Stage 11. The primary objective of this project is to provide 100-year flood protection to travelers and businesses along Sixth Street. The preliminary plan and profile for these facilities are being prepared, and a 60% plan set is expected during Fiscal Year 23-24.

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

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 convey 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. The District advertised the project for construction on June 7, 2022. Wright Construction Engineering was the apparent low bidder with the low bid at \$2,488,700. The District anticipates awarding the project in September 2022 with construction starting in early 2023.

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 drainage improvements are anticipated to consist of soil cement/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, and a draft report was completed in February 2022. The District is currently evaluating options to implement a more environmentally friendly project.

Bedford Canyon Channel (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, 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 has selected an alternative and finalized the Preliminary Design Report in August 2022. The consultant for this project is currently working on 30% plans, to be completed this year, and 100% design plans to be completed by July 2023.

Woodcrest - Rinehart Acres Drainage Plan Improvements (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 street improvements and 6,950 feet of a reinforced concrete pipe storm drain system ranging in diameter from 18" to 66" to convey flows from the streets of Mariposa Avenue, Granite Avenue, Boulder Avenue, and Dallas Avenue 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 hired a consultant for this project in May 2021, and the consultant is currently working on the 90% plans, with final design plans expected in August 2022.

Active Partner-Led Projects

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

This is a City of Corona (City)-led project to improve the City's reclaimed water network. This project includes the construction of 5,100 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" reclaimed water pipeline located in River Road at Bluff Street. The project will, as part of the larger system, help reduce the use of imported water, conserve the local groundwater supply, and stabilize the Temescal Groundwater Basin. An amendment to the existing funding agreement is currently being drafted, which will update the terms and funding contribution amount. The District will contribute \$3.9 million toward the project costs. The City anticipates advertising this project this Fiscal Year 22-23.

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 feet of 24" pipe throughout Eastvale. The reclaimed water will be used in Eastvale and within JCSD service areas. 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. A funding agreement is currently being developed to formalize the details of the District's contribution toward this project.

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" to 36" in diameter. The project will collect water along Valley View Avenue and 4th Street to convey it westerly toward Interstate 15 and will outlet into the existing North Norco Channel. This project will reduce street and community flooding along 4th Street and Valley View Avenue. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. Improvement plans for the project are near completion, and the project is scheduled to go out to bid this Fiscal Year 22-23. The District is working on the cooperative agreement with the City.

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

The City of Corona-led project proposes to construct 1,600 feet of 36" 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 will lead all aspects of the project and will assume responsibility for operation and maintenance when construction is complete. The District is working on the cooperative agreement with the City with preliminary design to start this Fiscal Year 22-23.

Zone 2
Report to the Zone Commissioners
September 2022

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 approximately 600 feet of 24-inch maximum diameter pipe collecting flows and conveying 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 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. Improvement plans are complete, and the project is scheduled to be constructed this Fiscal Year 22-23.

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 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. The District is working with the City on the cooperative agreement for the project. Improvement plans are complete, and the project is scheduled to be constructed this Fiscal Year 22-23.

Norco Lateral SA-3 (2-6-10036-00)

This is a City of Norco-led project to reduce street flooding on Hillside Avenue. The proposed underground storm drain consists of approximately 450 feet of 30-inch maximum diameter pipe that will convey flows north within Hillside Avenue, starting from the intersection of First Street and Hillside Avenue and discharging into the existing South Norco Channel Line SA. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction. The City has determined the project to be unbuildable due to the amount of unavoidable utility conflicts with the project alignment. The City has officially requested to remove this project from the budget; this change will be reflected in the next budget cycle.

Norco Lateral N-5 (2-6-10037-00)

This City of Norco-led project will construct a master planned storm drain to provide flood protection to residences along Valley View Avenue. The project consists of approximately 2,600 feet of 30- to 42-inch diameter underground storm drain. The project will collect runoff along Valley View Avenue and convey it to the existing North Norco Channel at Third Street, west of Interstate 15. 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. Improvement plans are complete, and the project is scheduled to be constructed this Fiscal Year 22-23.

Eastvale Alternative Drainage and Water Quality Master Plan (2-6-10040-00)

This is a City of Eastvale-led project to conduct a feasibility study to identify and retrofit existing surface BMPs from private land to be repurposed for potential multi-use/public benefits for the City. Some of the potential solutions for these relocations are alternate/underground drainage detention, retention, infiltration, and water quality improvement facilities. The study will also evaluate ways to address the water quality issue of pollutants discharged to the Santa Ana River during the dry season. The District is working on the cooperative funding agreement with the City. The City is in the process of hiring an engineering consultant to prepare the study.

Zone 2
Report to the Zone Commissioners
September 2022

Norco MDP Line N-3 (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 is willing to accept for operation and maintenance portions of the project that meet District requirements and standards. The District executed the Cooperative Funding Agreement with the City in July 2022. 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 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 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. City is currently working toward final improvement plans, and the project is scheduled to go out to bid this Fiscal Year 22-23.

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, and the BNSF Railroad Bridge and Channel Bank Protection Project of the Below Prado Project are completed but have not been turned over to the District for operation and maintenance. 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. The District and Corps are working together toward the completion of the Operations, Maintenance, Repair, Replacement, and Rehabilitation (OMRRR) Manuals for the BNSF Railroad Bridge and Channel Bank Protection Project to complete the transfer of the project for long-term operation and maintenance. The completion of the remaining OMRRR Manuals will follow.

South Norco Channel (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. 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 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 final design plans. The District will be assisting the City with the right of way acquisition required for the construction and operation and maintenance of the facility.

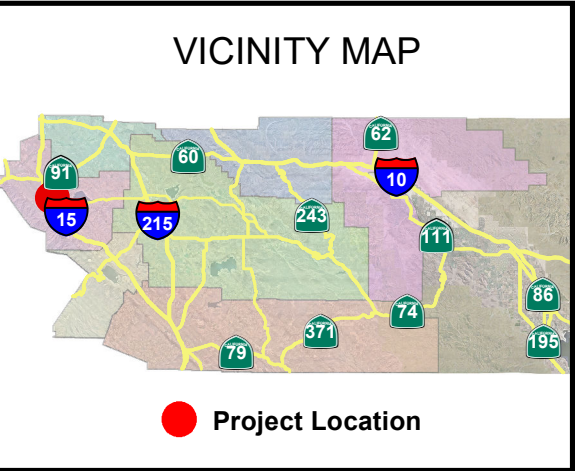
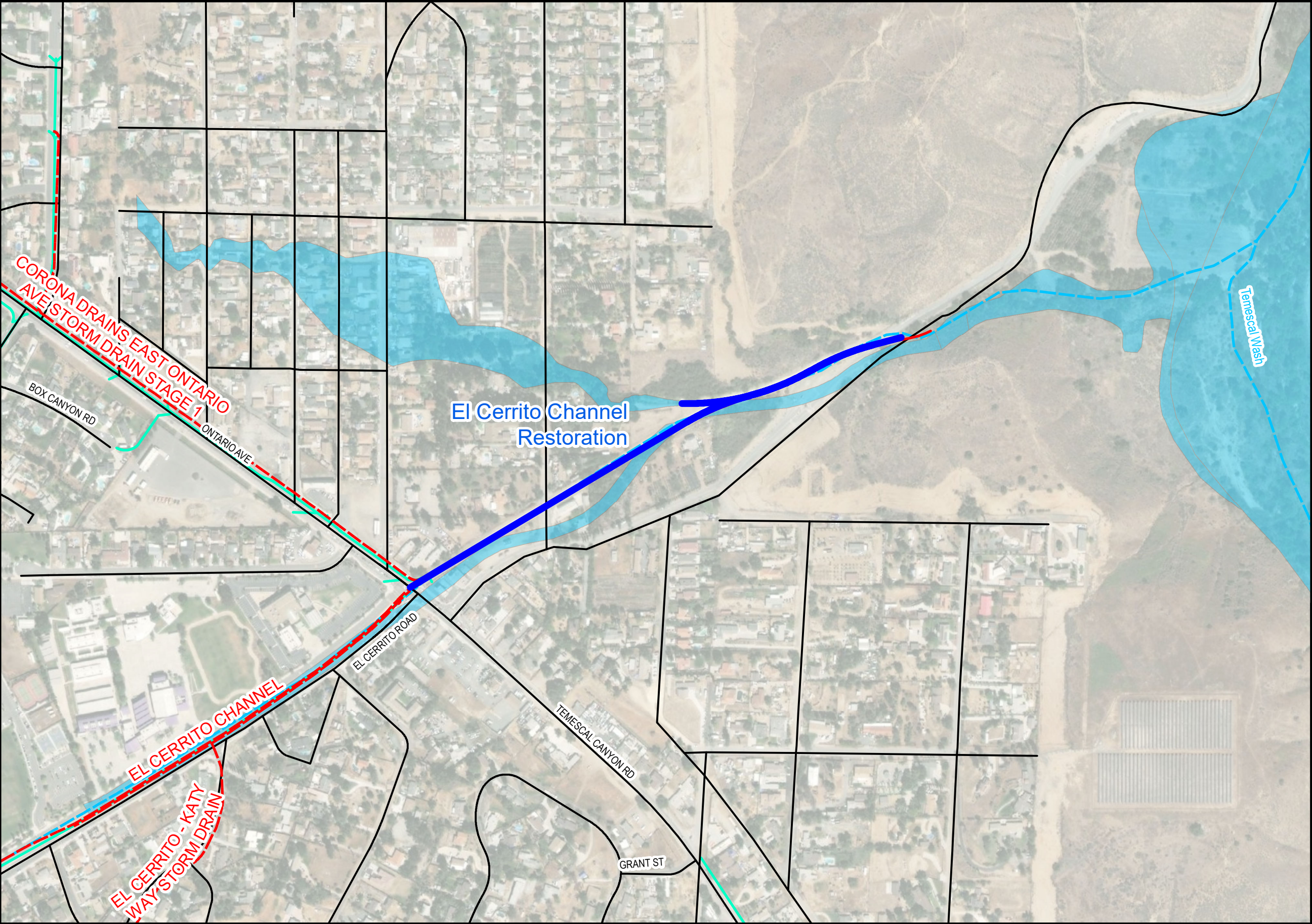
Zone 2
Report to the Zone Commissioners
September 2022

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

This City of Norco-led project will provide flood protection to properties along Second Street. The project consists of 30-inch to 48-inch reinforced concrete pipe from east of Temescal Avenue to the existing South Norco Channel, west of Corona Avenue. 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 to fund the project. The City is currently working toward final improvement plans, and the project is scheduled to be out to bid this Fiscal Year 22-23.

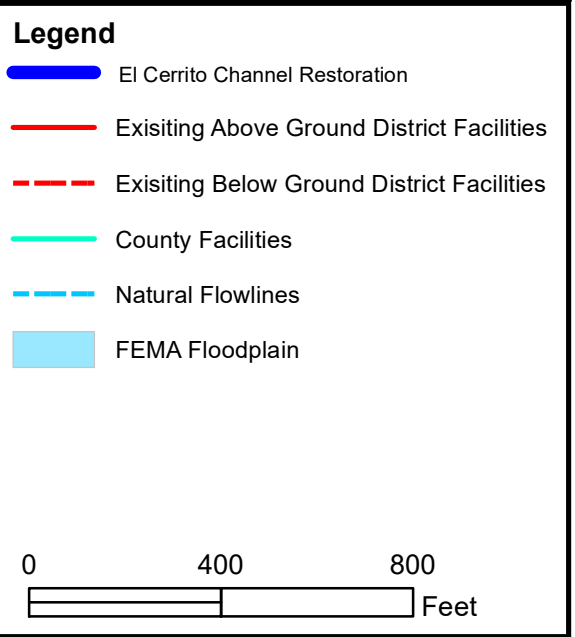
Corona Drains Line 9A (2-8-00235-01)

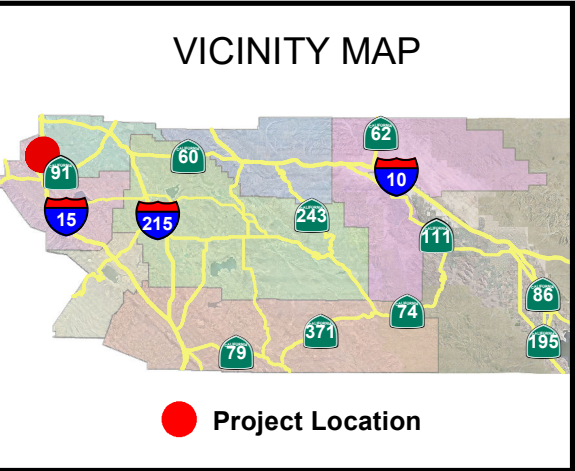
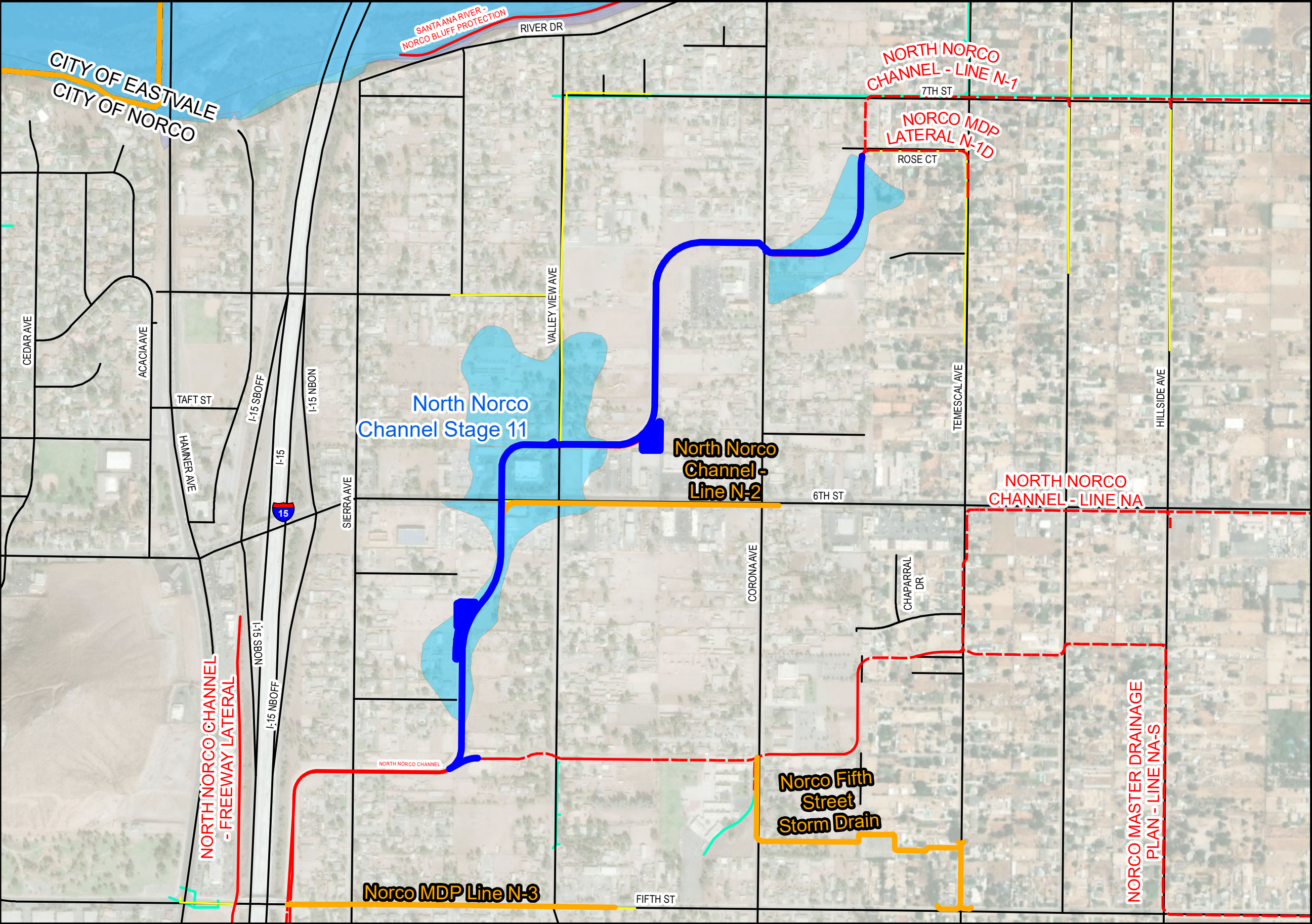
This City of Corona-led project is to reduce flooding within Victoria Avenue. The project consists of approximately 1,900 feet of 36-inch diameter reinforced concrete pipe proposed to collect and convey runoff from Seventh Street toward an existing culvert crossing the 91 Freeway. The City has reprioritized and is not actively working on this project.



Description

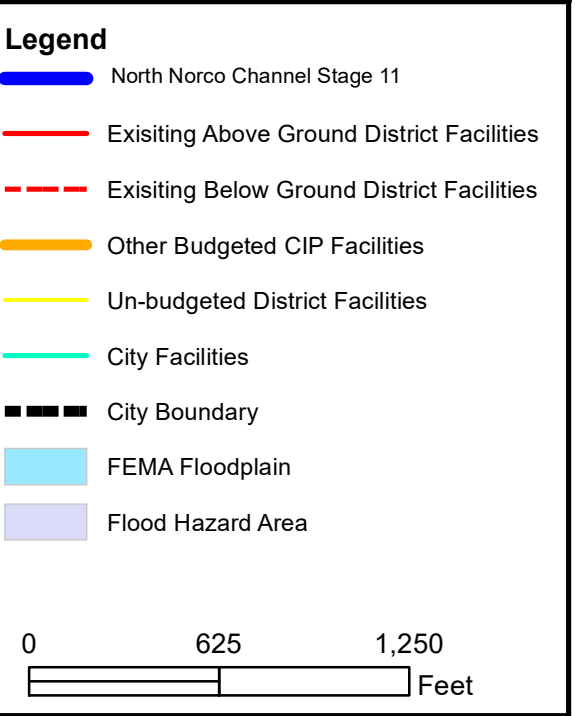
This District-led project replaces approximately 2,300 feet of existing concrete trapezoidal channel with higher capacity reinforced concrete box and concrete rectangular channel of varying dimensions. The primary objective is to provide 100-year flow capacity within the proposed facility and remove 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 convey the water northeasterly to Temescal Creek.

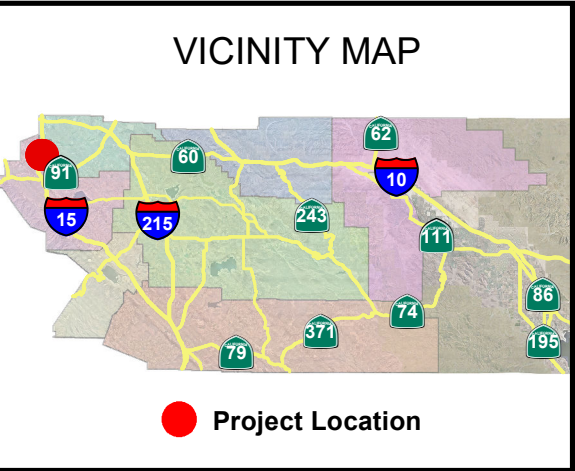
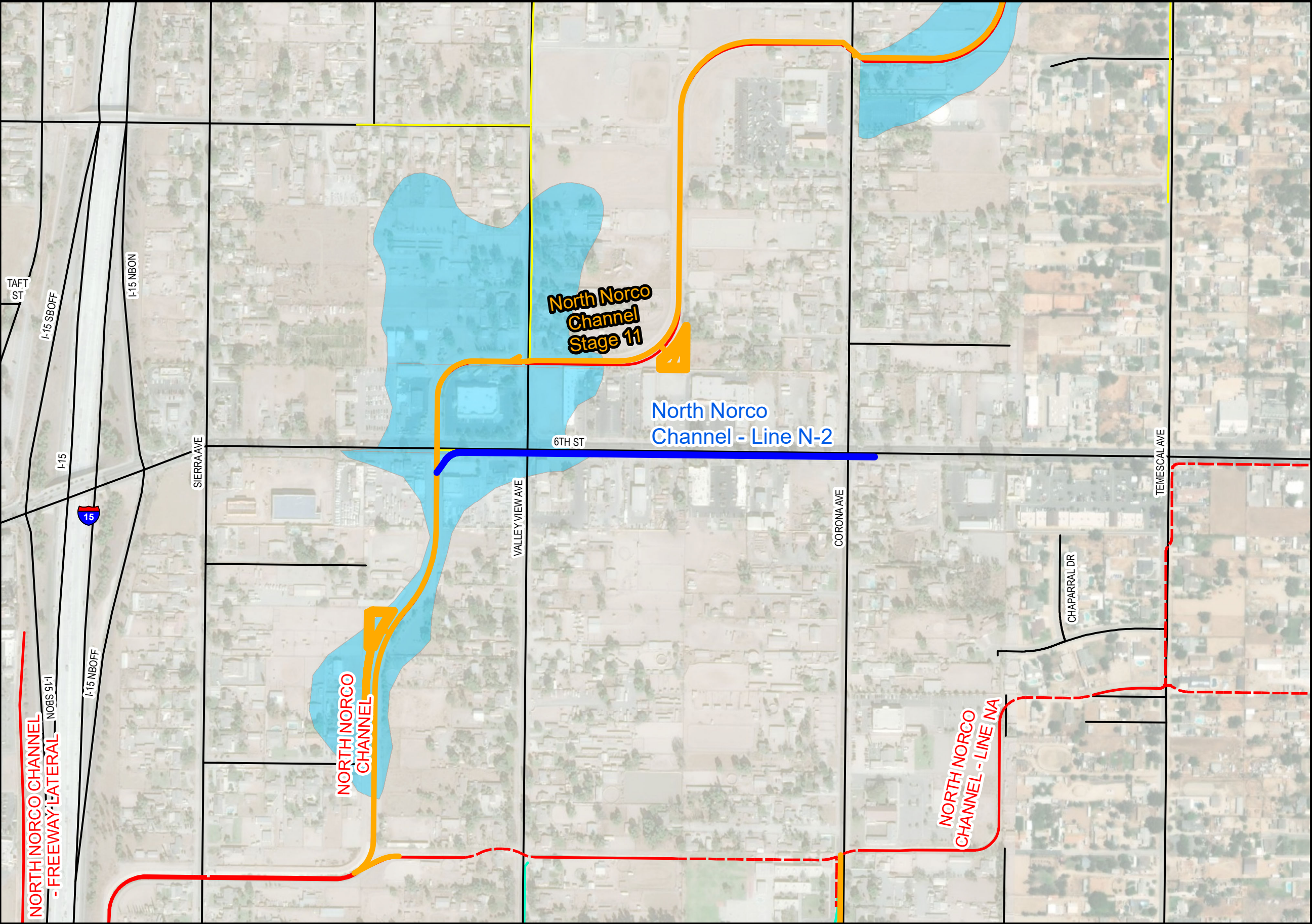




Description

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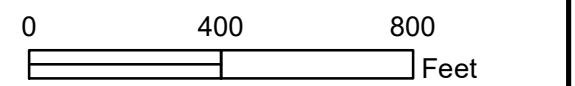


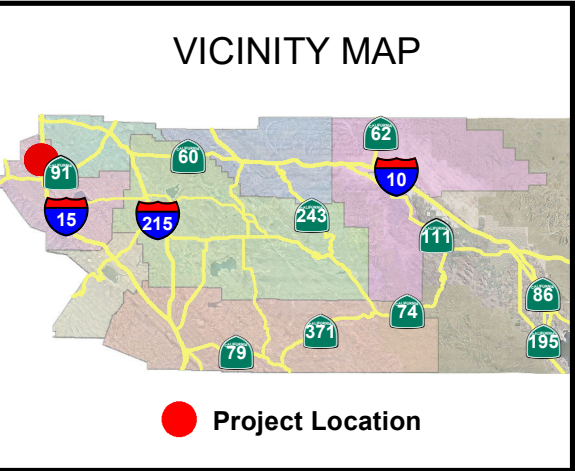
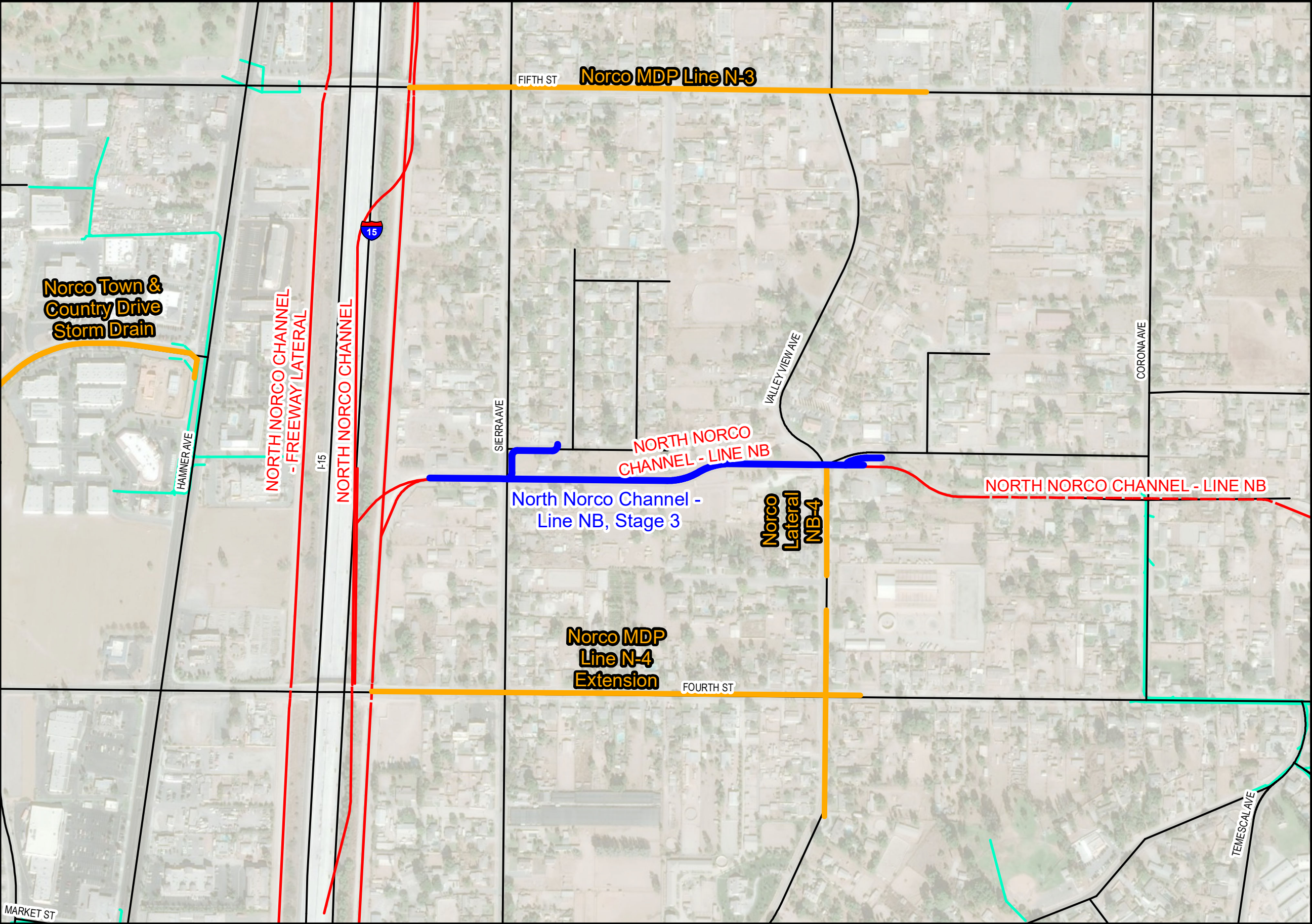


Description

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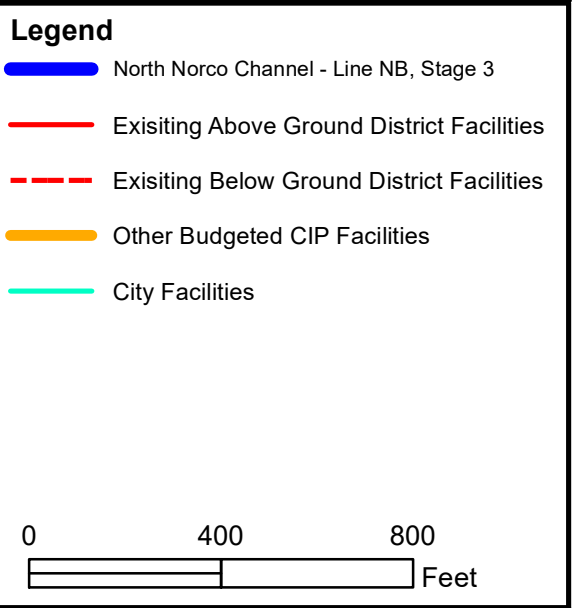
- ### Legend
- North Norco Channel - Line N-2
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - City Facilities
 - FEMA Floodplain

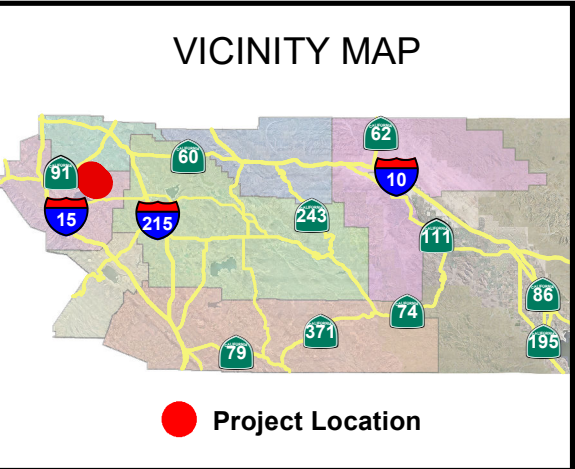
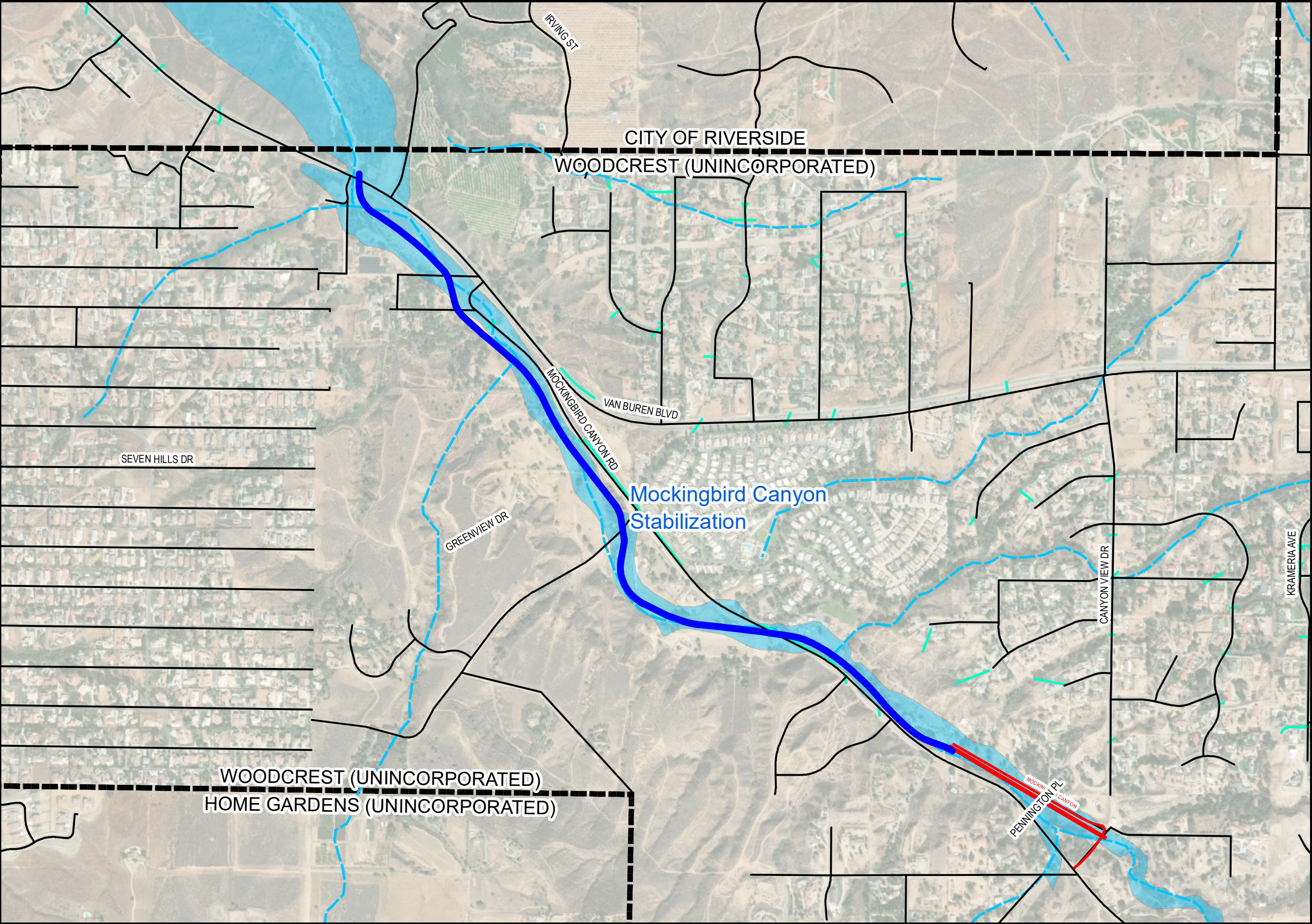




Description

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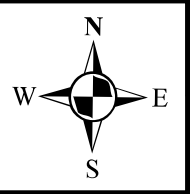
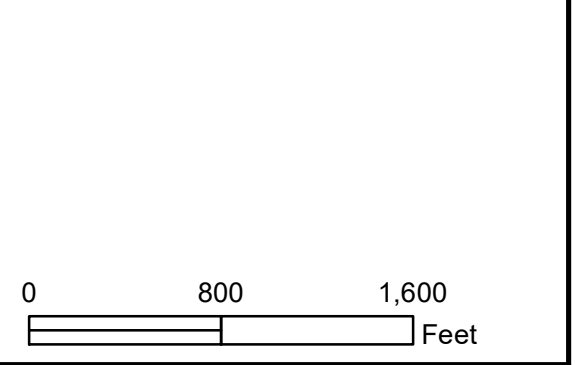




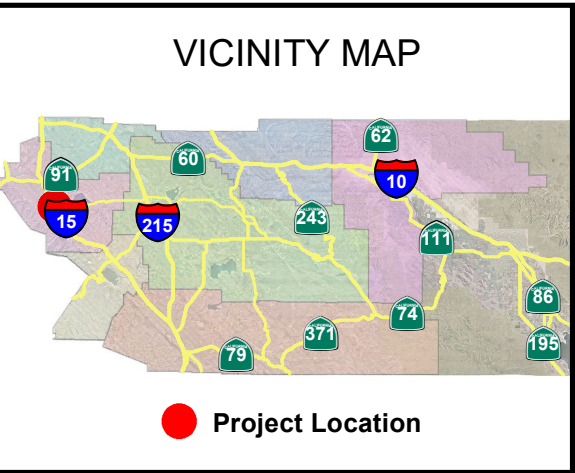
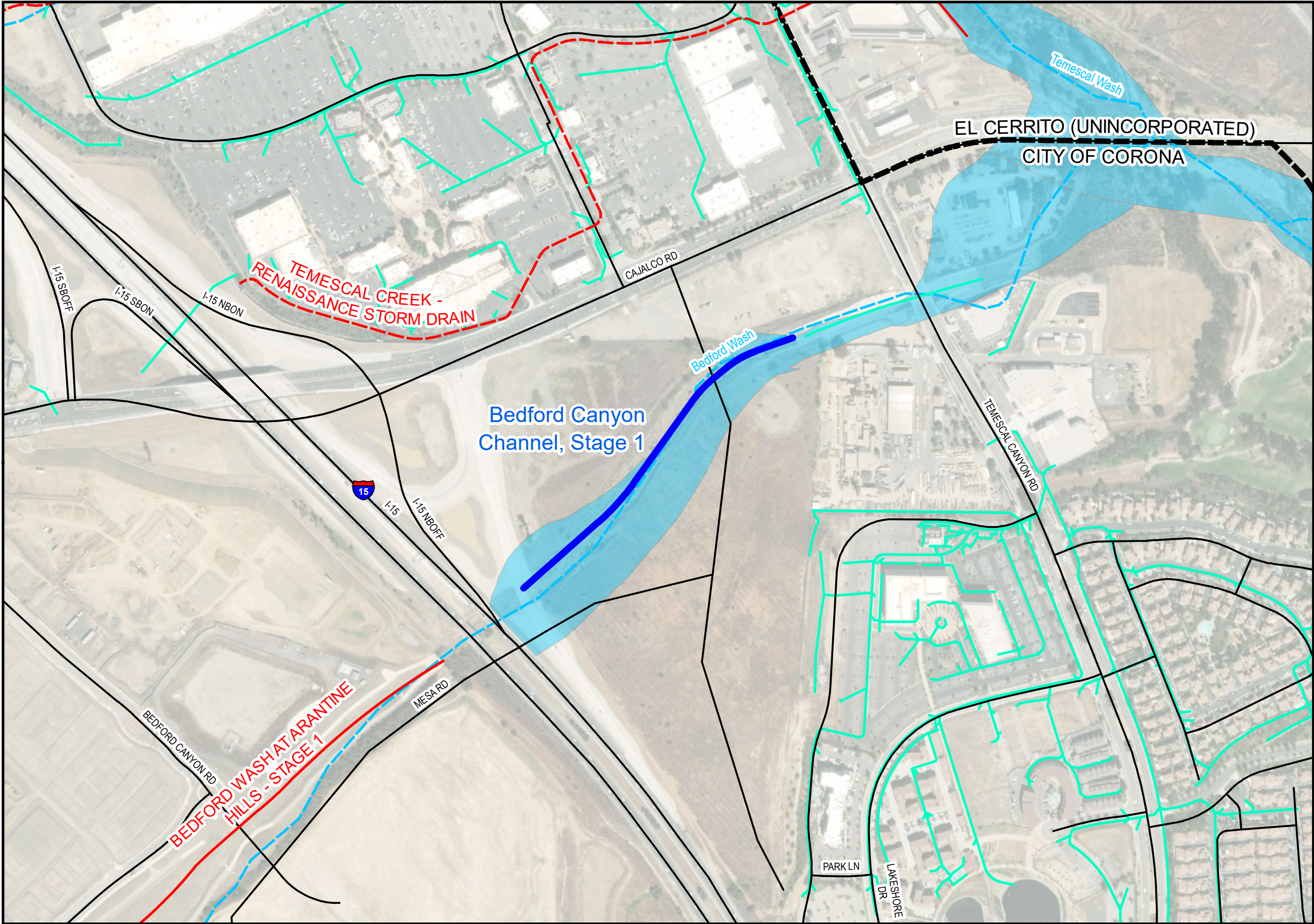
Description

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 project begins at the Pennington Place bridge crossing and traverses parallel to Mockingbird Canyon Road to Van Buren Boulevard where the project ends. The drainage improvements are anticipated to consist of soil cement/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.

- ### Legend
- Mockingbird Canyon Stabilization
 - Existing Above Ground District Facilities
 - City Facilities
 - Natural Flowlines
 - City Boundary
 - FEMA Floodplain

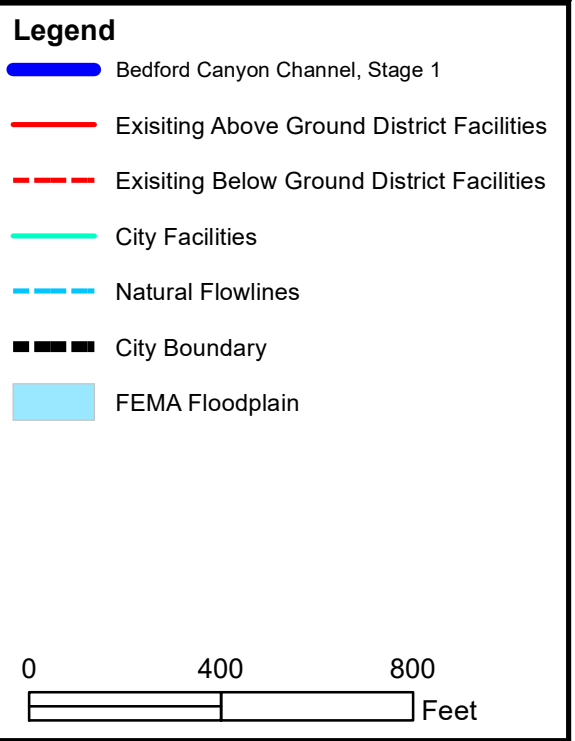


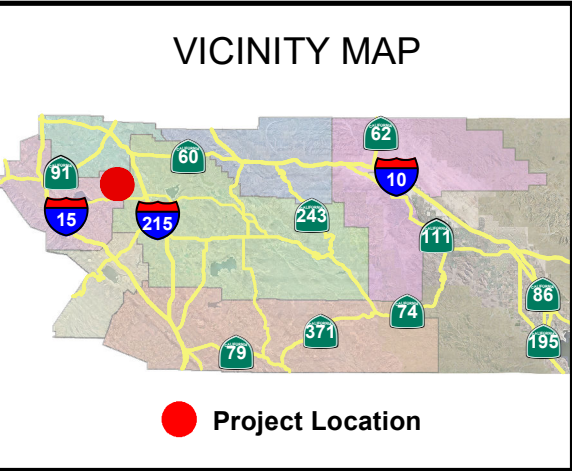
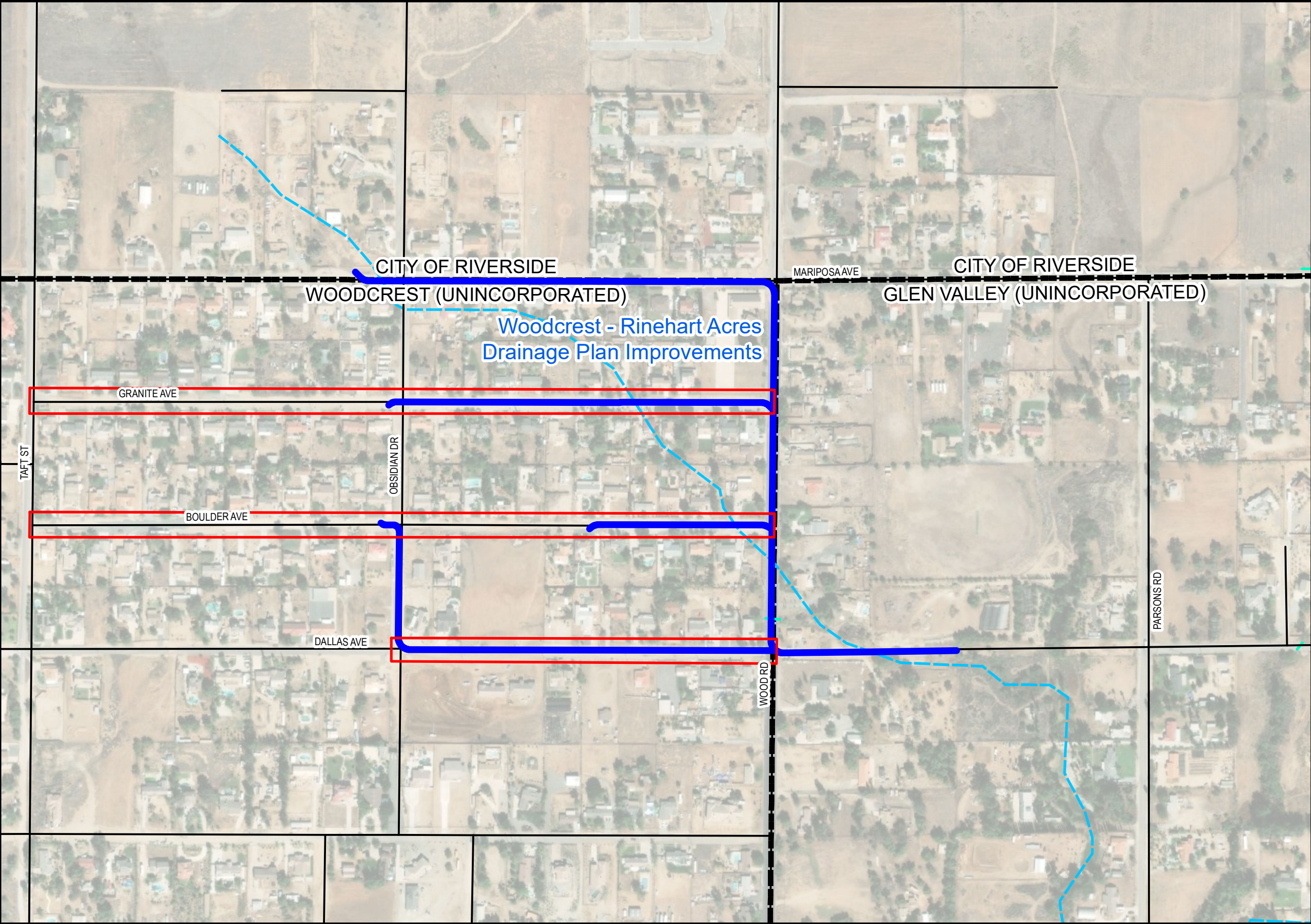
Project No.	2-8-00180
Engineer	N. Guizado
Date Created	6/28/2022



Description

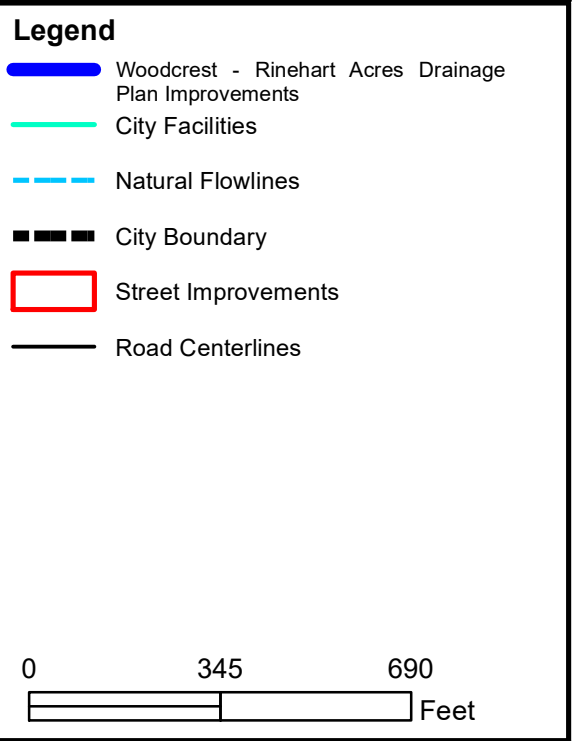
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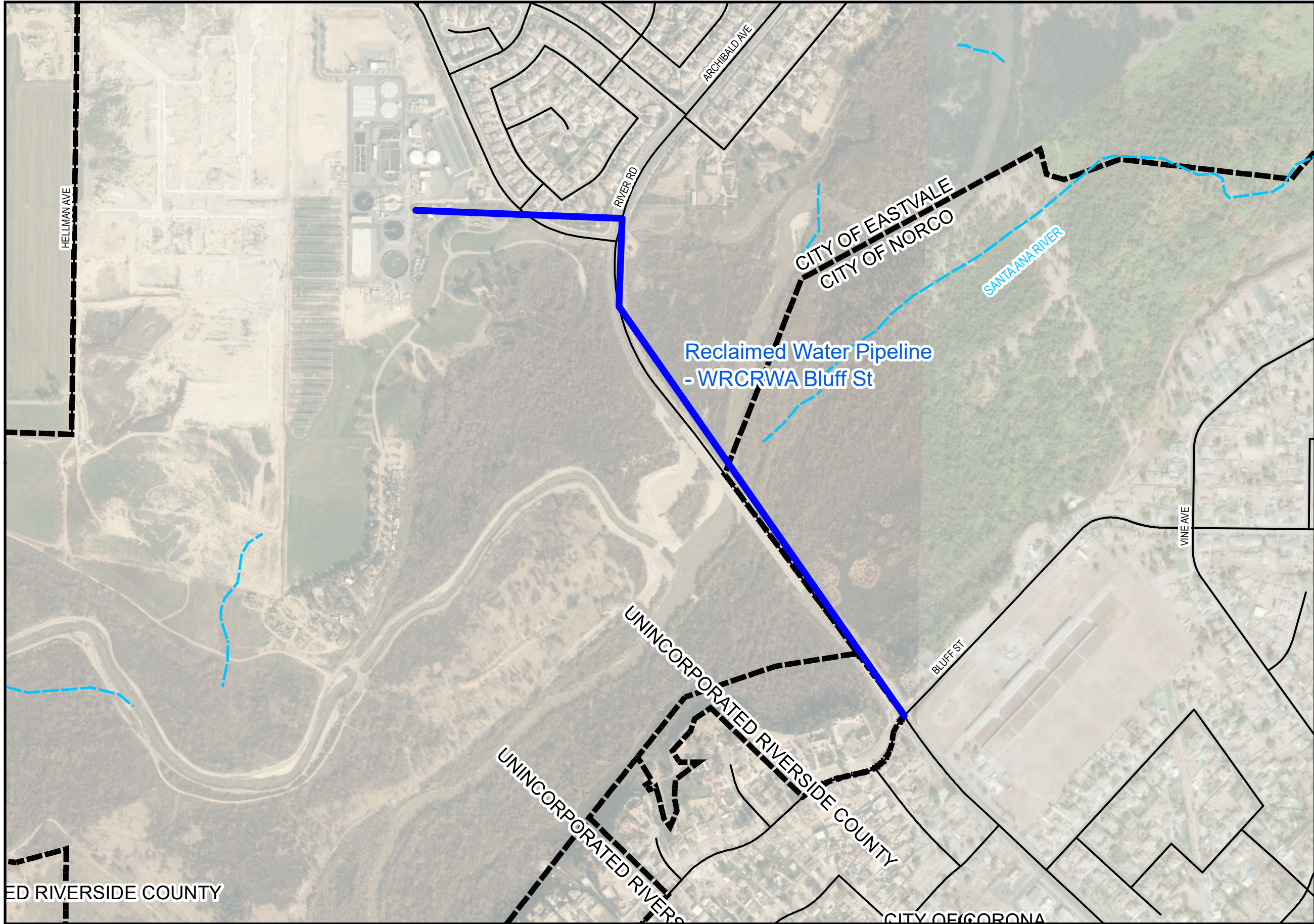


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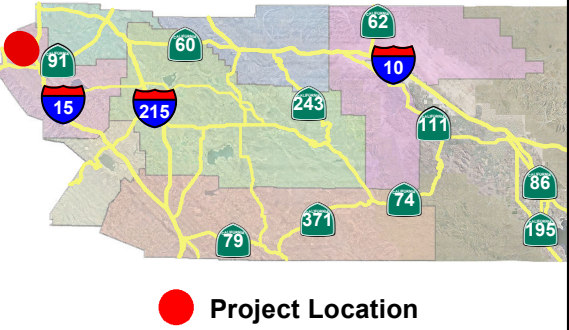
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	Project No.	2-8-00406
	Engineer	M. Gonzalez
	Date Created	6/29/2022



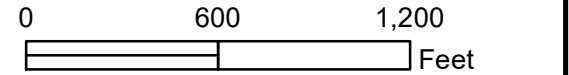
VICINITY MAP



Description

This is a City of Corona-led project to improve the City's reclaimed water network. This project includes the construction of 5,100 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.

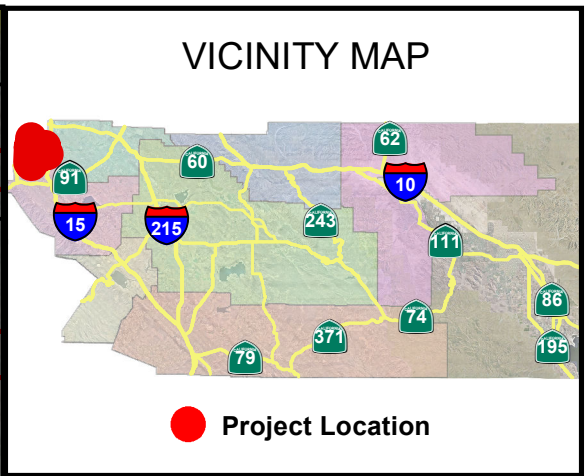
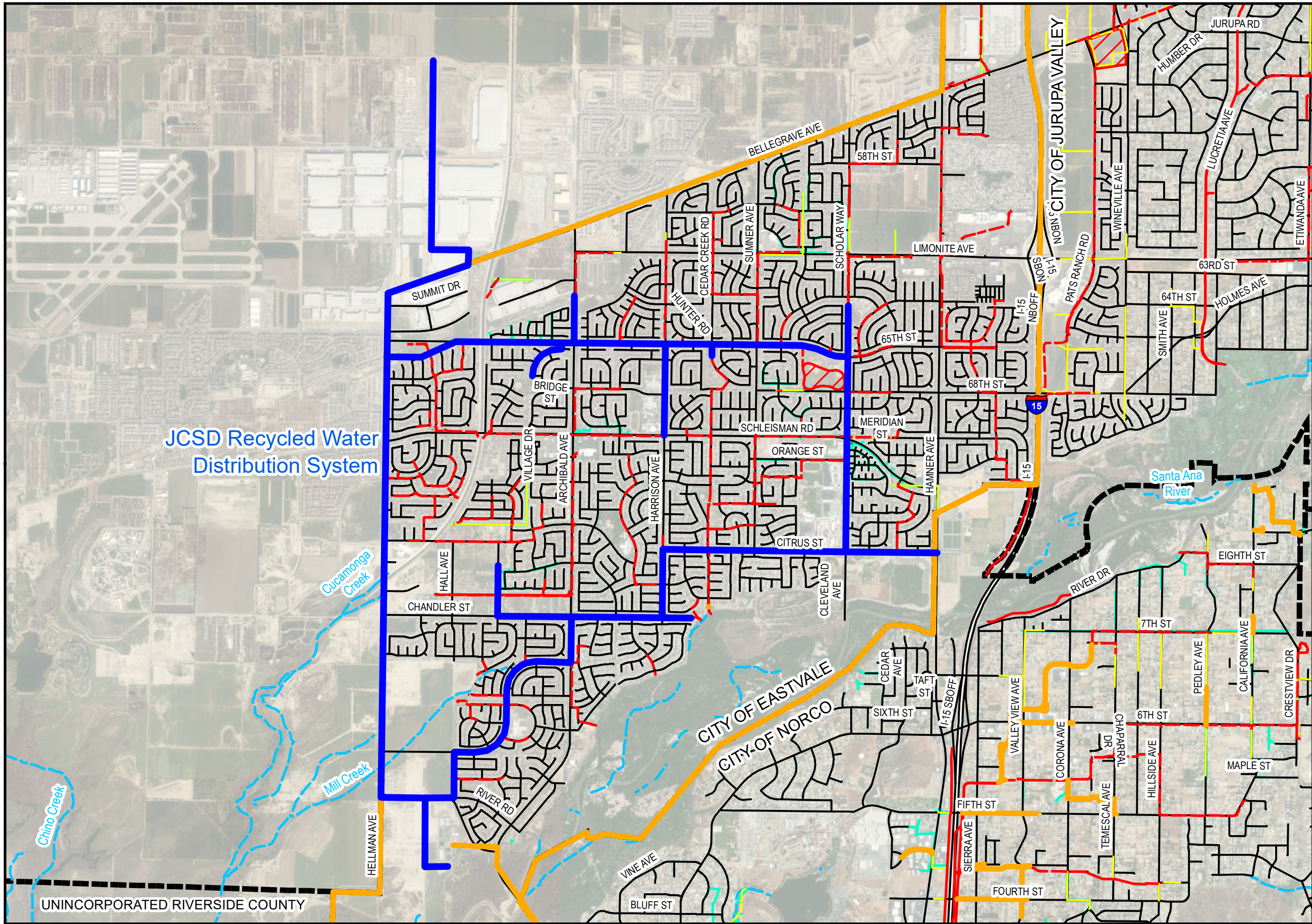
- Legend**
- Reclaimed Water Pipeline - WRCRWA Bluff St
 - Natural Flowlines
 - City Boundary



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Reclaimed Water Pipeline - WRCRWA Bluff St
Supervisory District 2



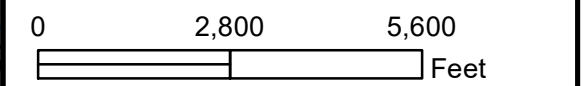
Project No.	2-6-10005
Engineer	A. Leung
Date Created	6/29/2022

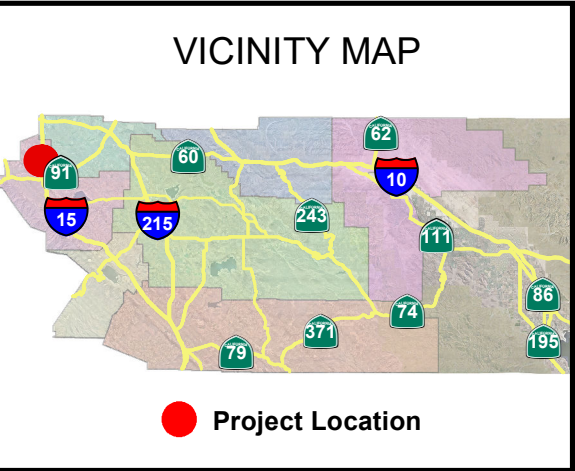
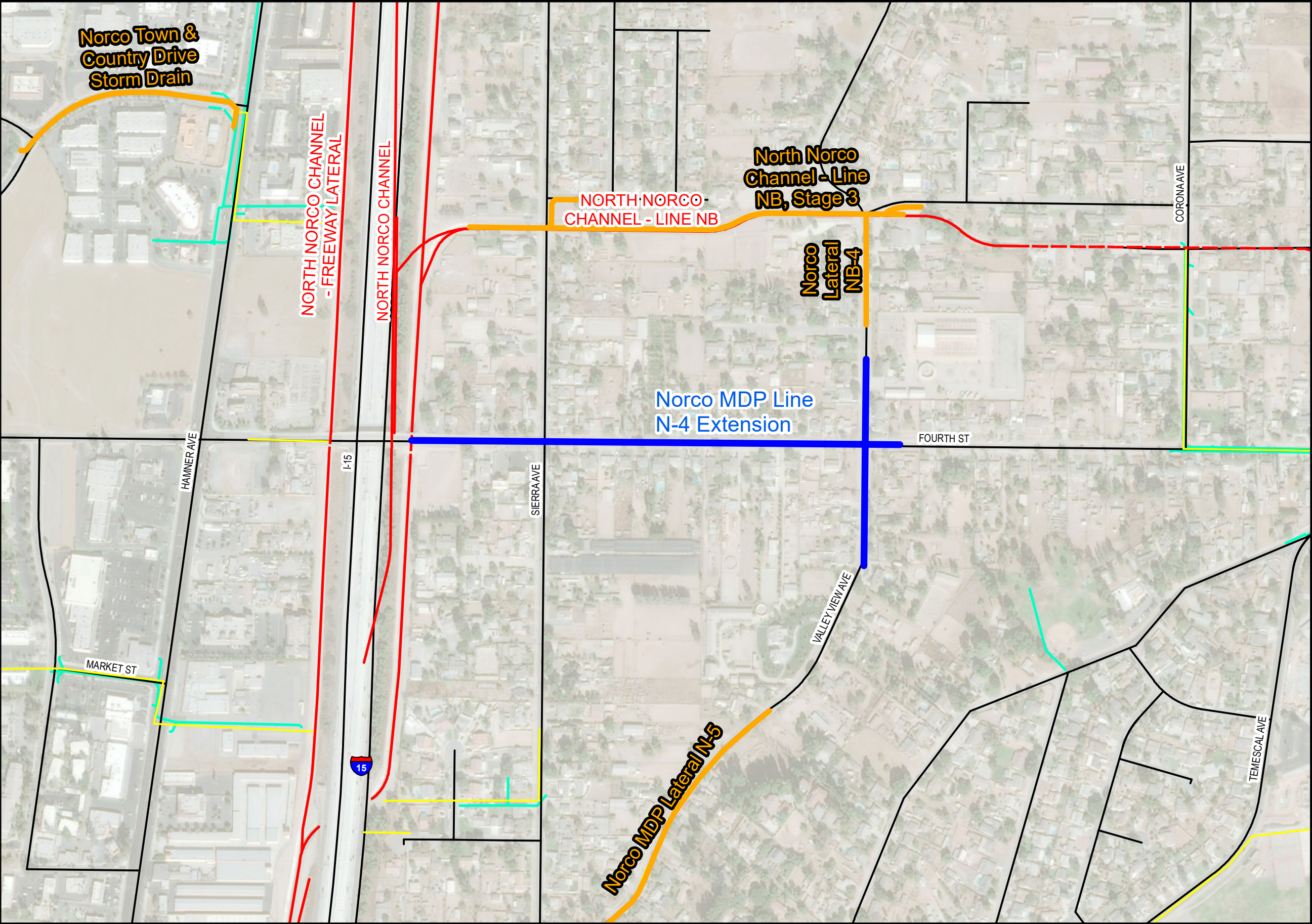


Description

This is a JCSD-led project for a regional solution to enhance reclaimed water use and distribution with approximately 31,600 feet of 24-inches pipe throughout Eastvale. The reclaimed water will be used in Eastvale and within JCSD service areas.

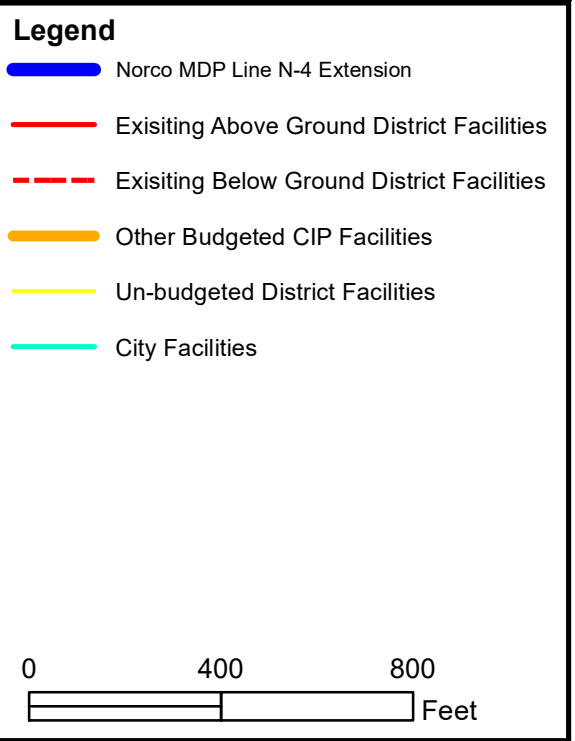
- ### Legend
- JCSD Recycled Water Distribution System
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Existing Facilities Area
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - City Facilities
 - Natural Flowlines
 - City Boundary

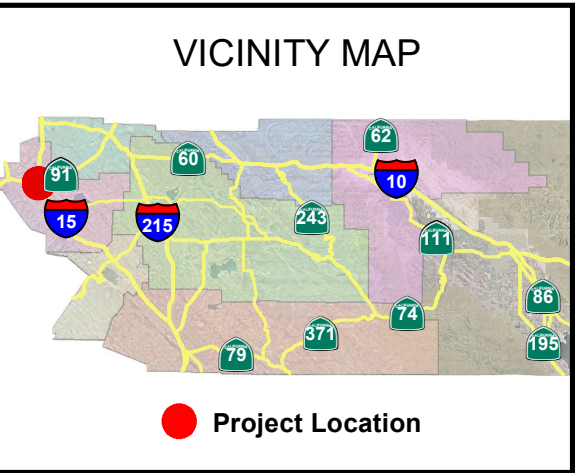
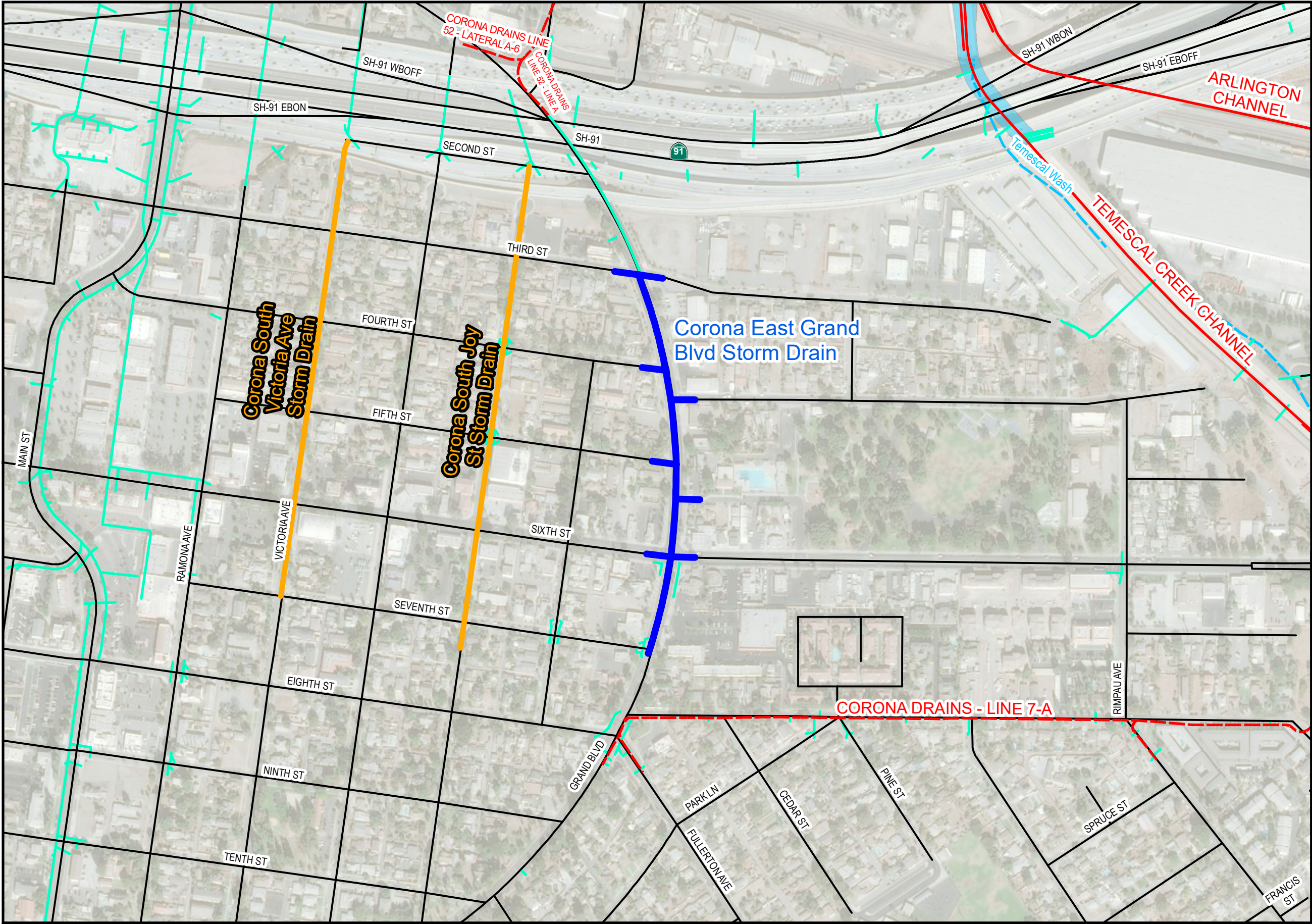




Description

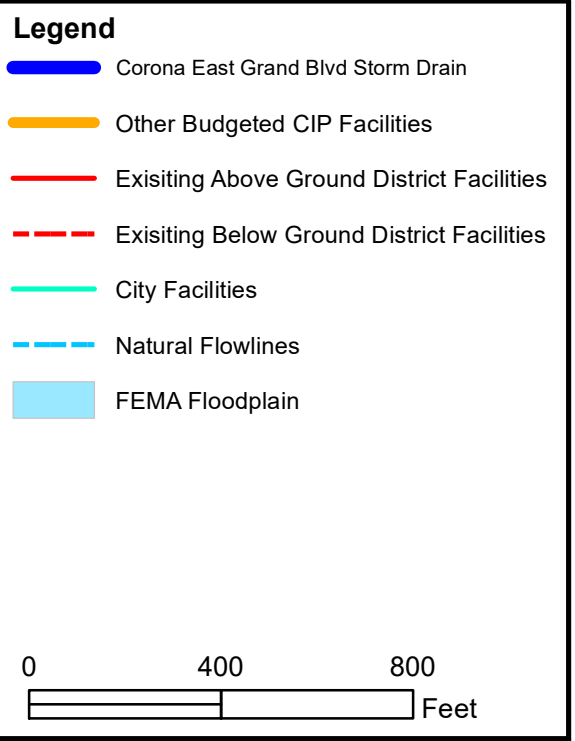
This is a City of Norco-led project to construct 2,900 feet of storm drain, ranging from 24-inch to 36-inch diameter. Project will collect water along Valley View Avenue and 4th Street to convey it westerly towards the I-15 freeway and will outlet into the existing North Norco Channel. This project will reduce street and community flooding along 4th Street and Valley View Avenue.

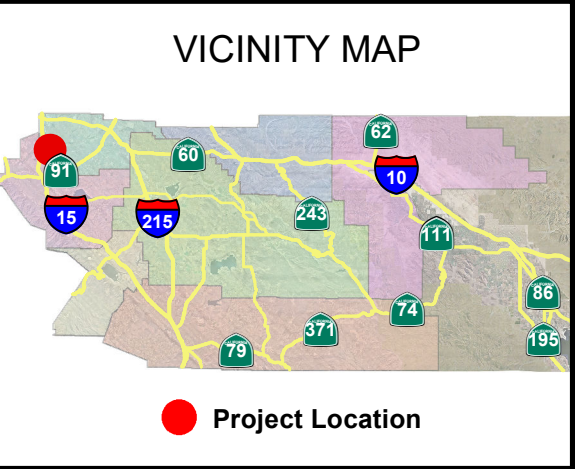
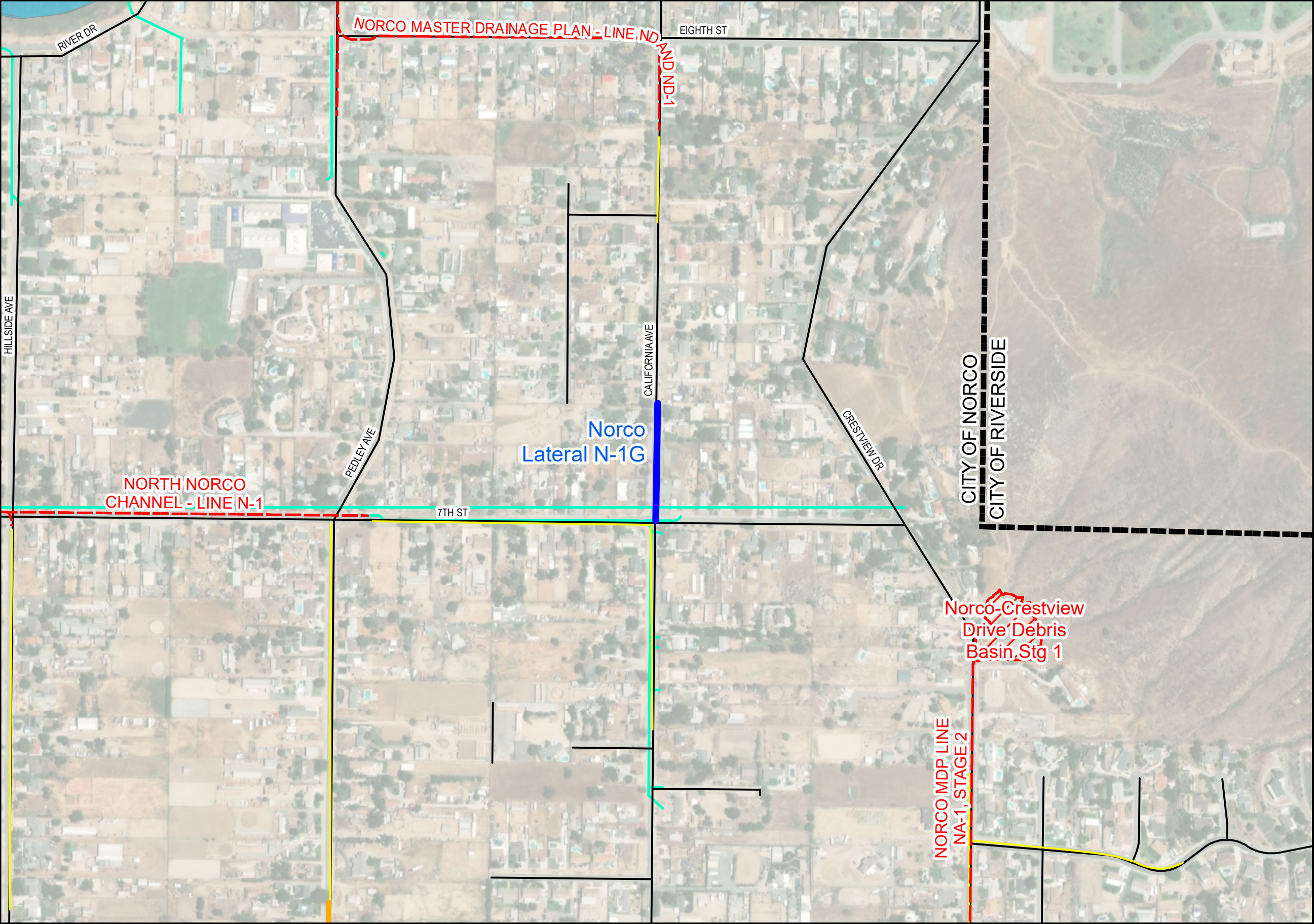




Description

The City of Corona-led project proposes to construct 1,600 feet of 36-inch diameter reinforced concrete pipe (RCP). 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.





Description

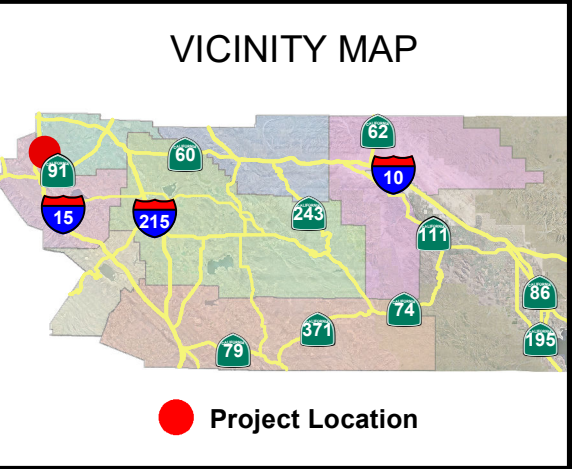
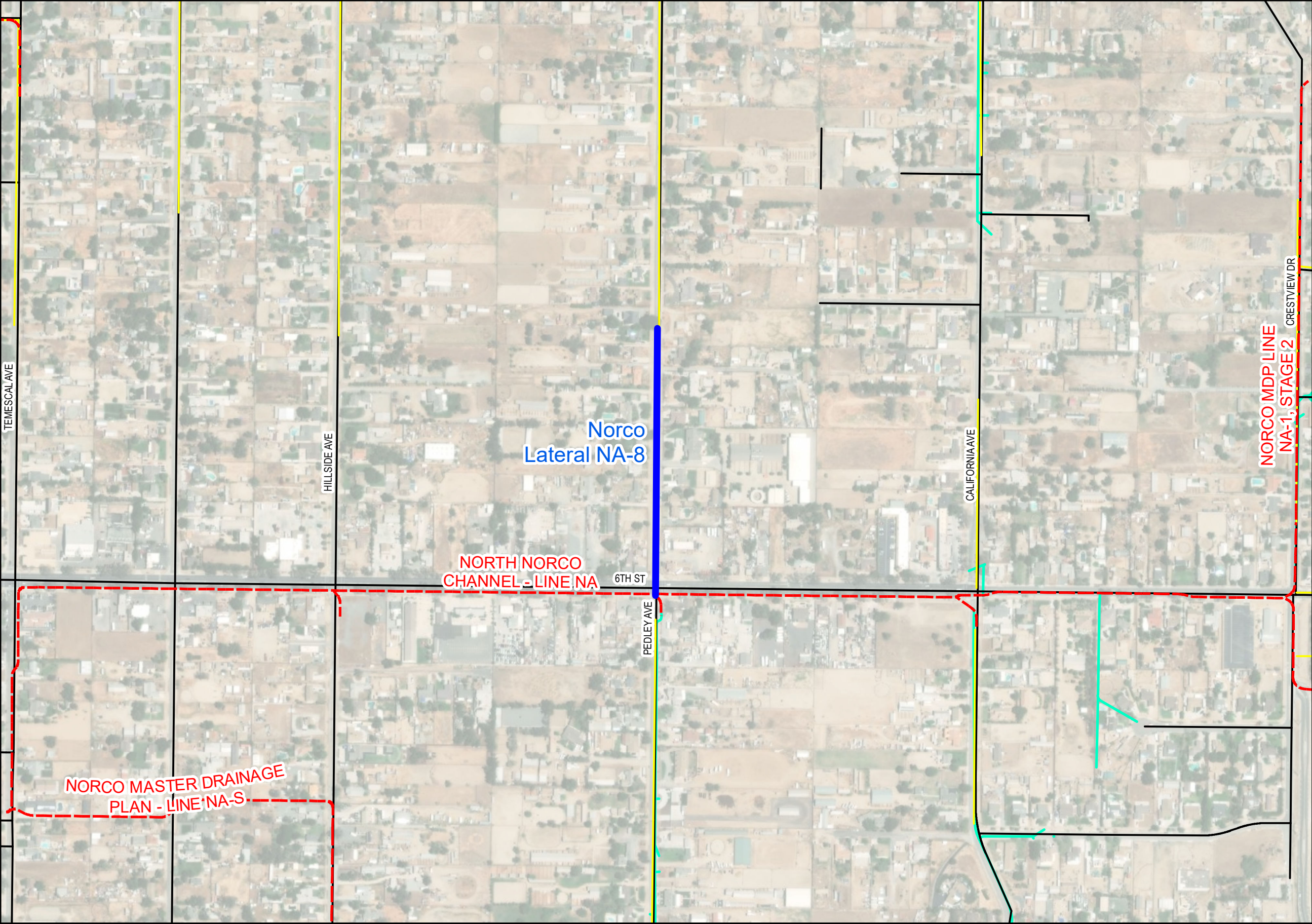
This is a City of Norco-led project to reduce street flooding on California Avenue. The proposed underground storm drain would consist of approximately 600 feet of 24-inch maximum diameter pipe collecting flows and conveying them from north to south within California Avenue and outlet into the existing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

0400800

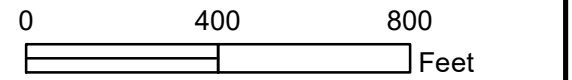
Feet

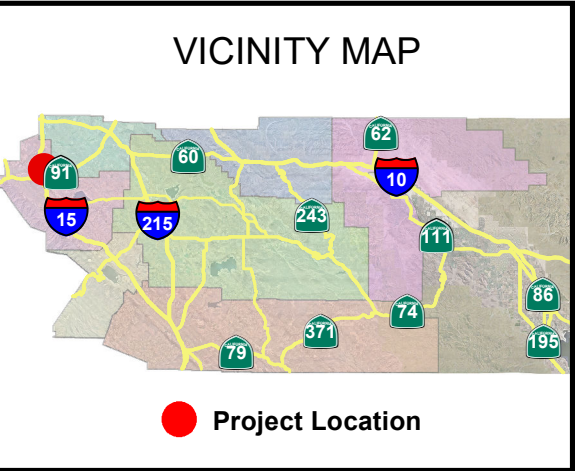
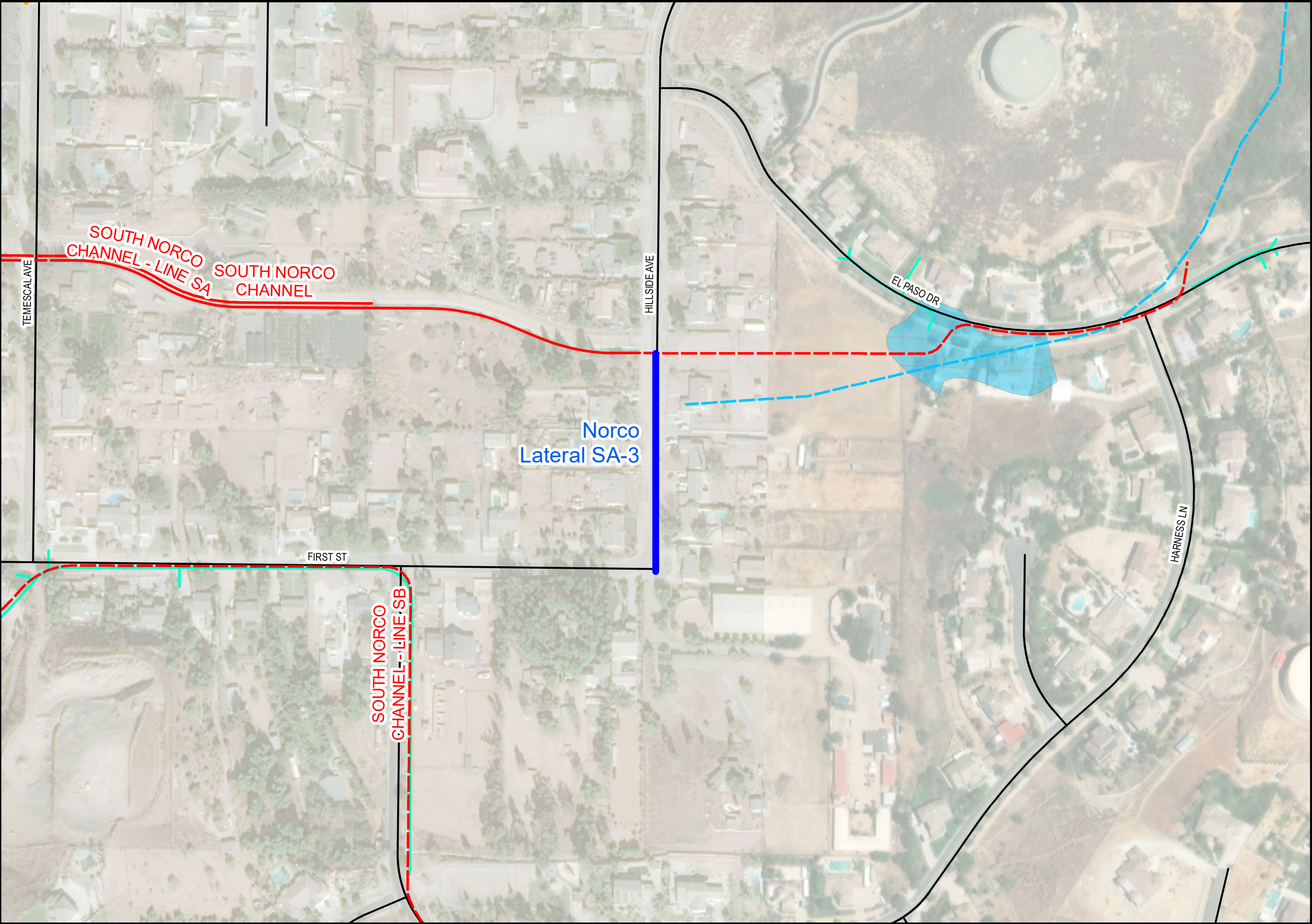


Description

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.

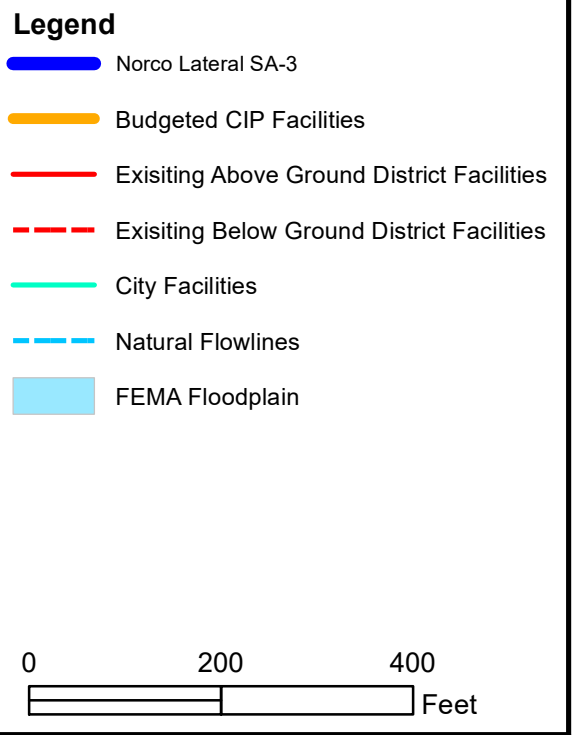
- ### Legend
- Norco Lateral NA-8
 - - - Existing Below Ground District Facilities
 - Un-budgeted District Facilities
 - City Facilities

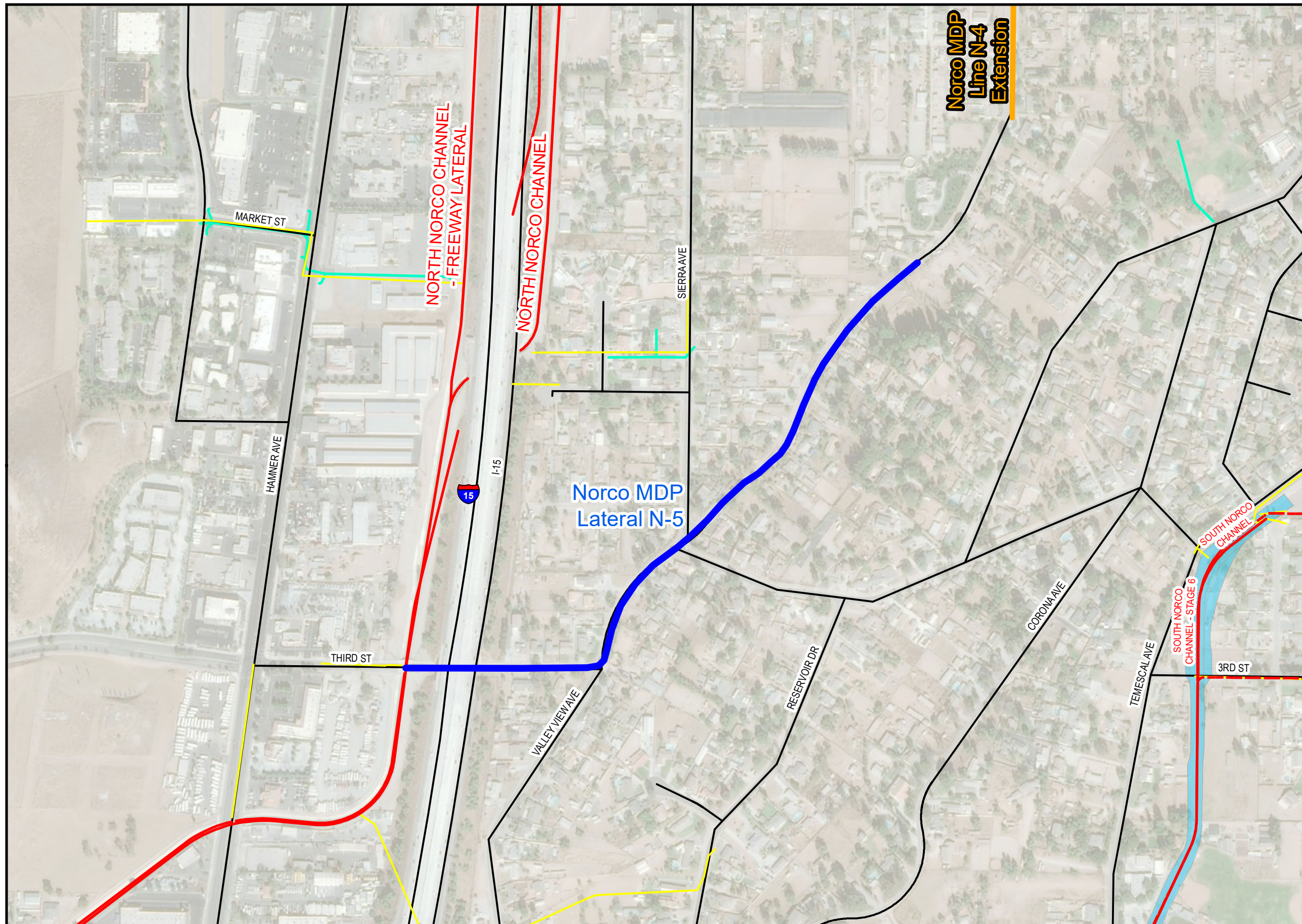




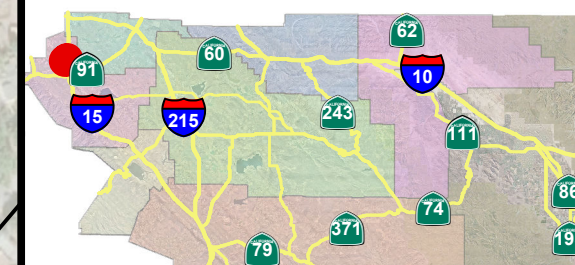
Description

This is a City of Norco-led project to reduce street flooding on Hillside Avenue. The proposed underground storm drain consists of approximately 450 feet of 30-inch maximum diameter pipe that will convey flows north within Hillside Avenue, starting from the intersection of First Street and Hillside Avenue, and discharging into the existing South Norco Channel Line SA. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction.





VICINITY MAP

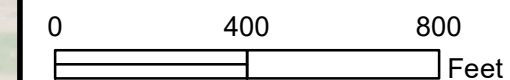
 **Project Location**

Description

This City of Norco-led project will construct a master planned storm drain to provide flood protection to residences along Valley View Avenue. The project consists of approximately 2600 feet of 30-inches to 42-inches diameter underground storm drain. The project will collect runoff along Valley View Avenue and convey it to the existing North Norco Channel at Third Street, west of Interstate 15.

Legend

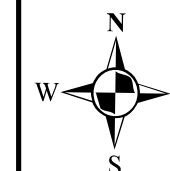
-  Norco MDP Lateral N-5
-  Budgeted CIP Facilities
-  Existing Above Ground District Facilities
-  Existing Below Ground District Facilities
-  Future District Facilities
-  City Facilities
-  FEMA Floodplain



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Norco MDP Lateral N-5

Supervisory District 2



Project No.

2-6-10037

Engineer

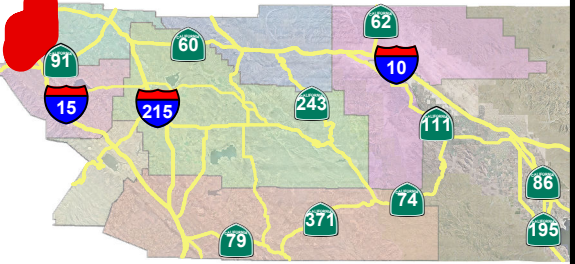
A. Leung

Date Created

6/29/2022

Eastvale Alternative Drainage
and Water Quality Master Plan

VICINITY MAP



● Project Location

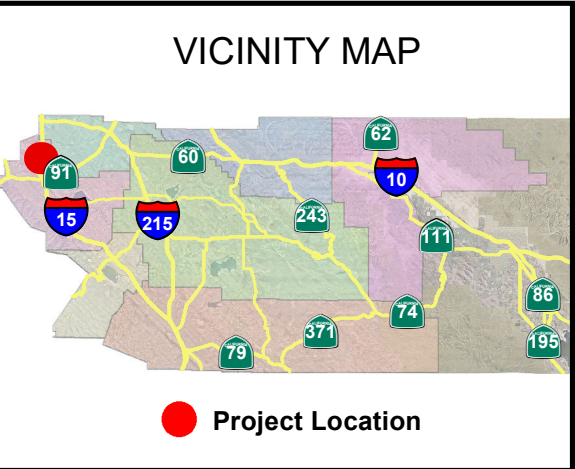
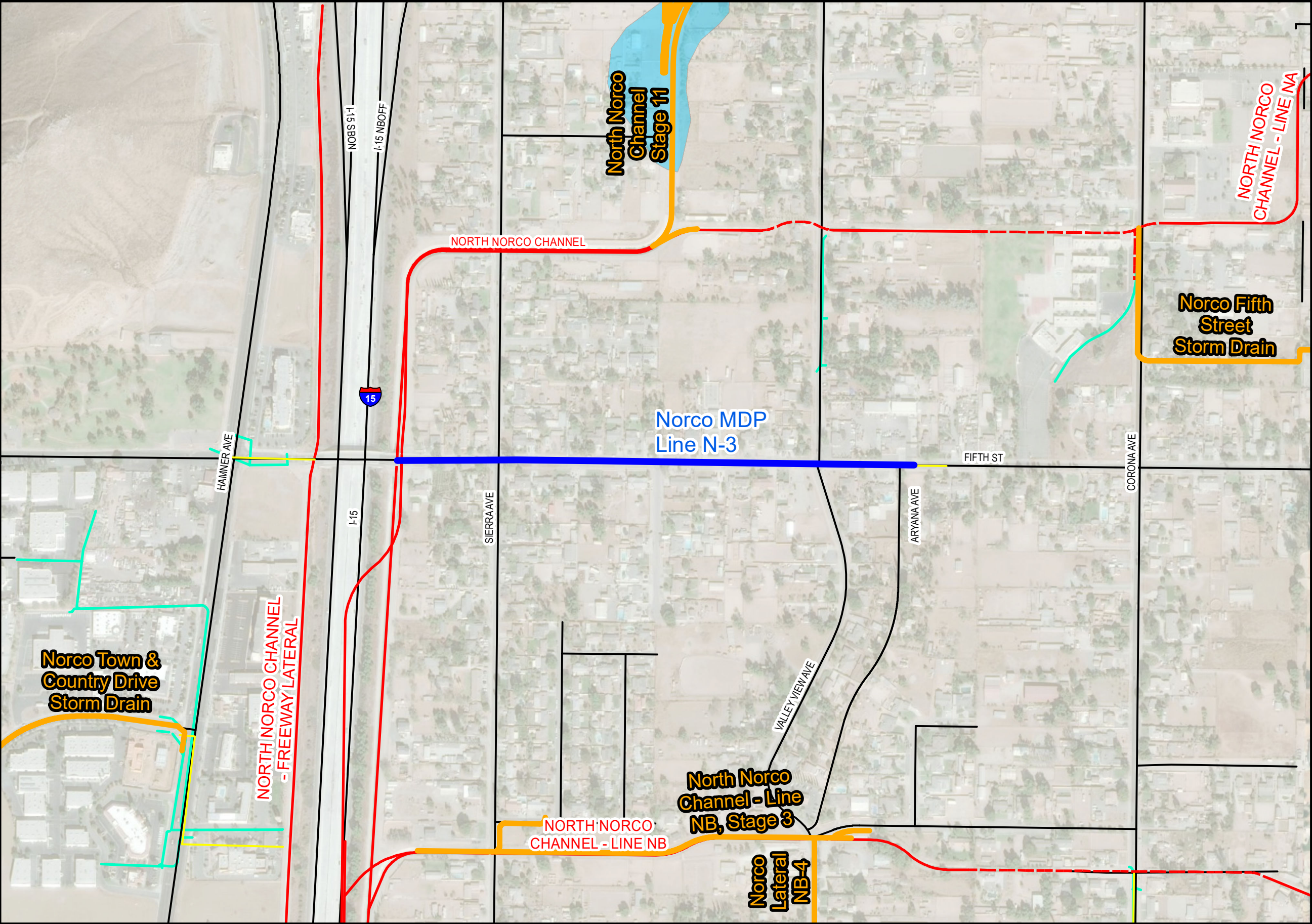
Description

This is a City of Eastvale-led project to conduct a feasibility study to identify and retrofit existing surface BMPs from private land to be repurposed for potential multi-use/public benefits for the City. Some of the potential solutions for these relocations are alternate/underground drainage detention, retention, infiltration, and water quality improvement facilities. The study will also evaluate ways to address the water quality issue of pollutants discharged to the Santa Ana River during the dry season.

Legend

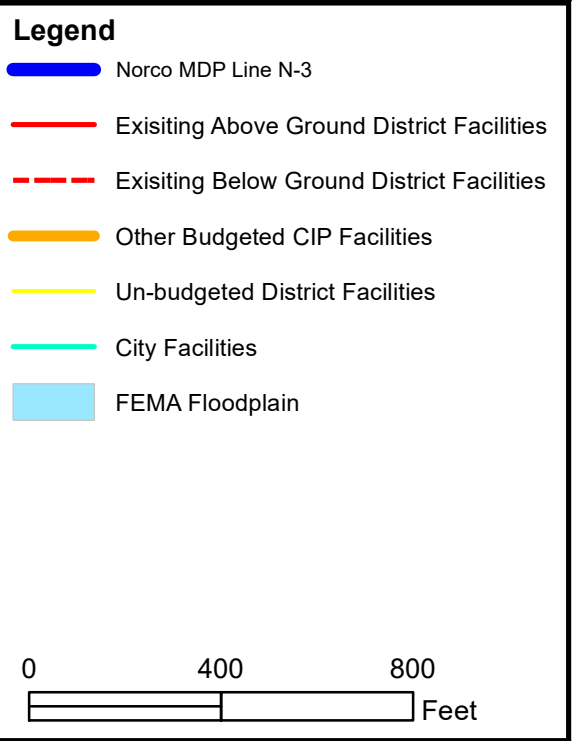
- Eastvale Alternative Drainage and Water Quality Master Plan
- Other Budgeted CIP Facilities
- Existing Above Ground District Facilities
- Existing Below Ground District Facilities
- Un-budgeted District Facilities
- Existing Facilities Area
- City Facilities
- Natural Flowlines
- City Boundary

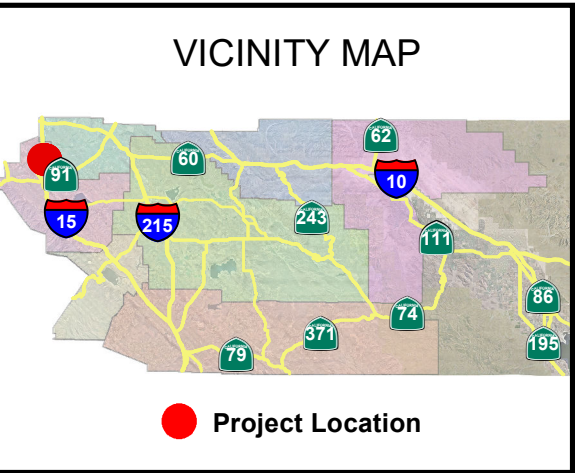
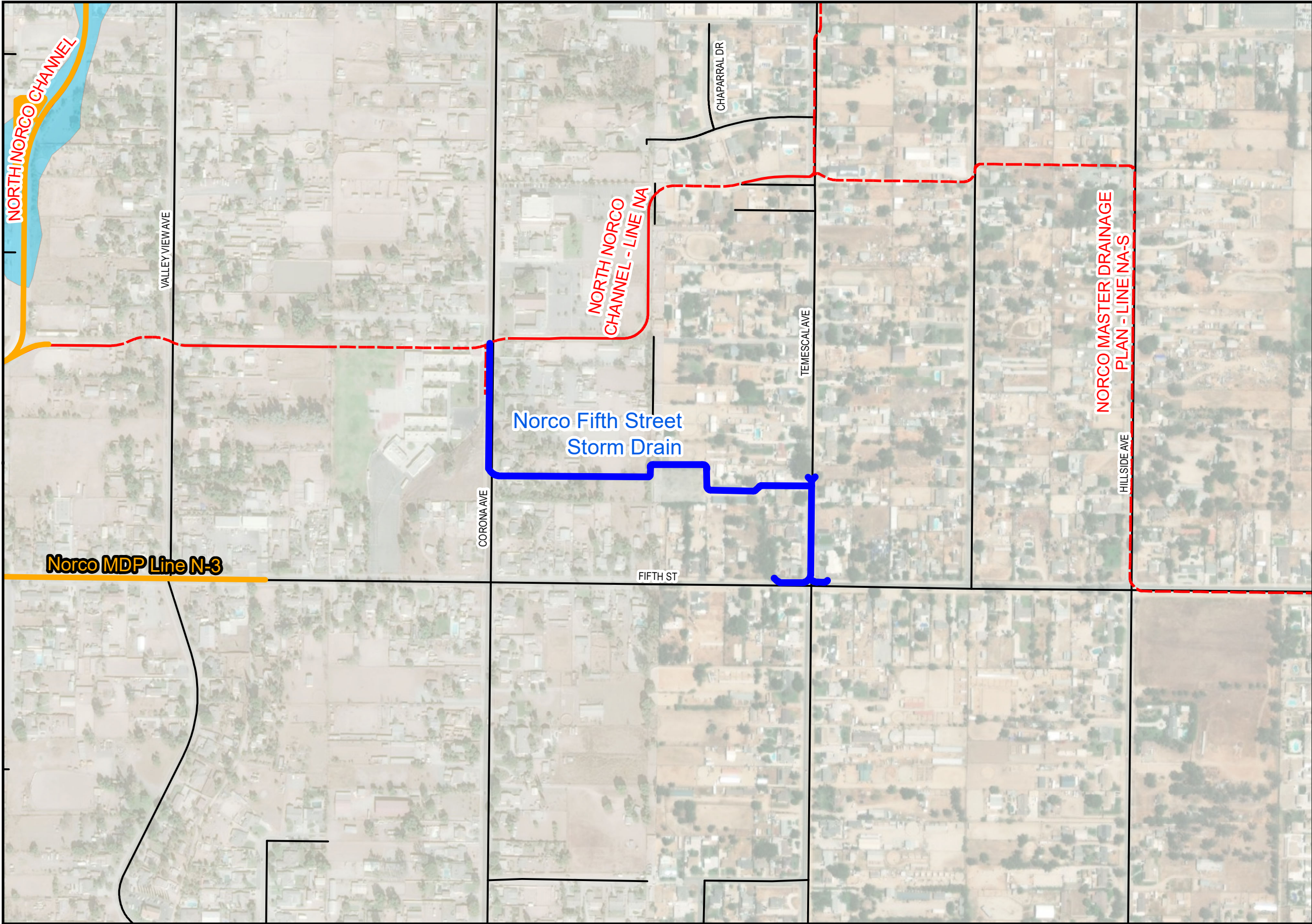
0 5,000 10,000 Feet



Description

The City of Norco-led project proposes approximately 2,100 feet of reinforced concrete pipe, ranging in pipe diameter from 36-inch to 66-inch. 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.

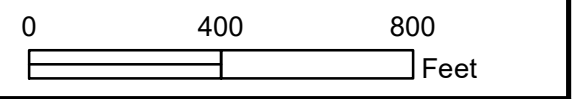


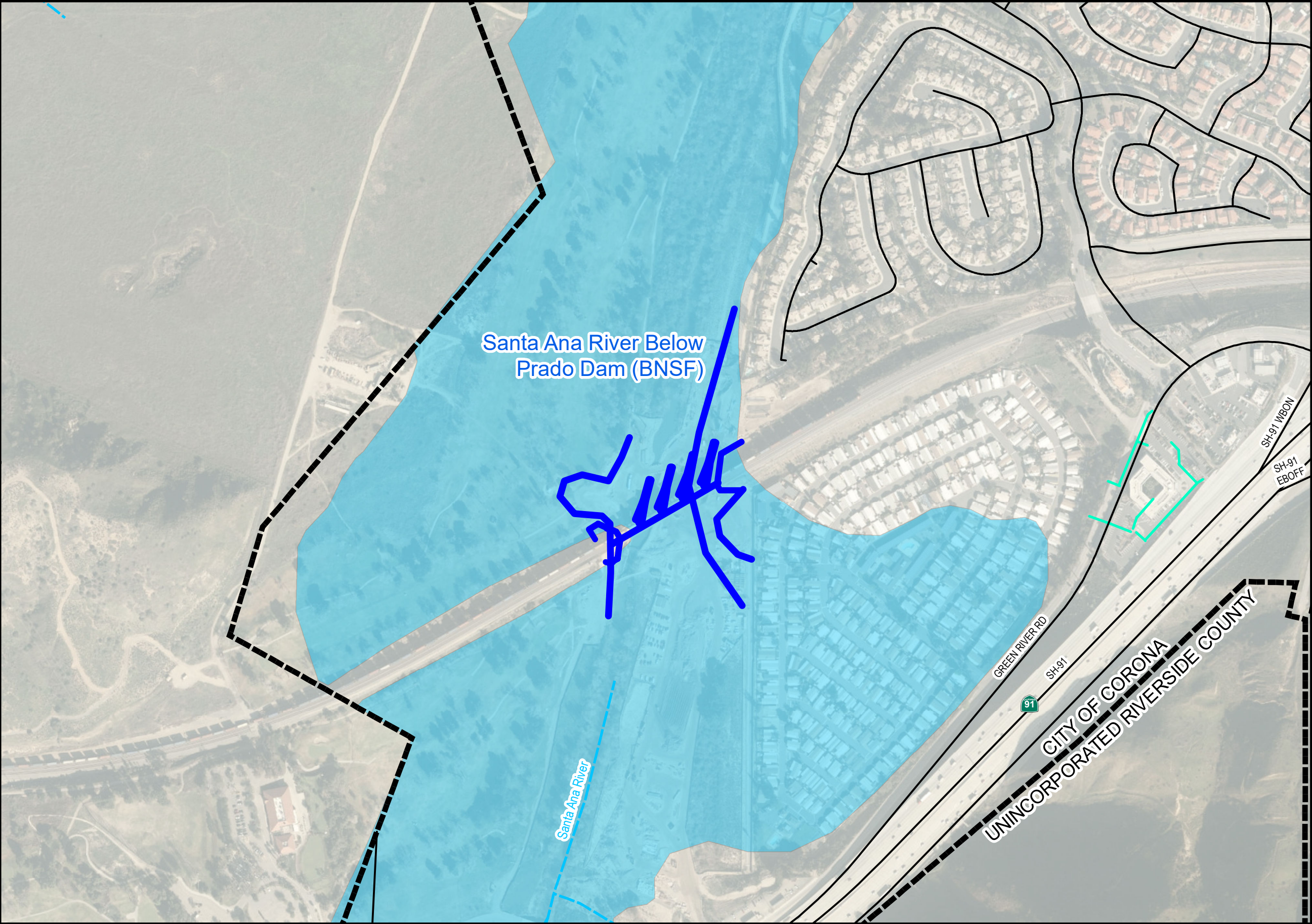


Description

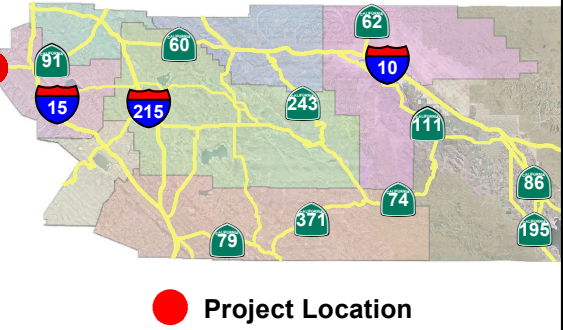
This is a City of Norco-led project to install approximately 2,700 feet of 42-inch to 48-inch reinforce concrete pipe in Corona Avenue, 5th Street and Temescal Avenue to alleviate flooding on the private properties between Temescal Avenue and Corona Avenue. Flows will be conveyed from Fifth Street and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

- ### Legend
- Norco Fifth Street Storm Drain
 - Existing Above Ground District Facilities
 - - - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - FEMA Floodplain





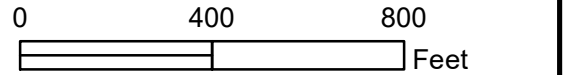
VICINITY MAP

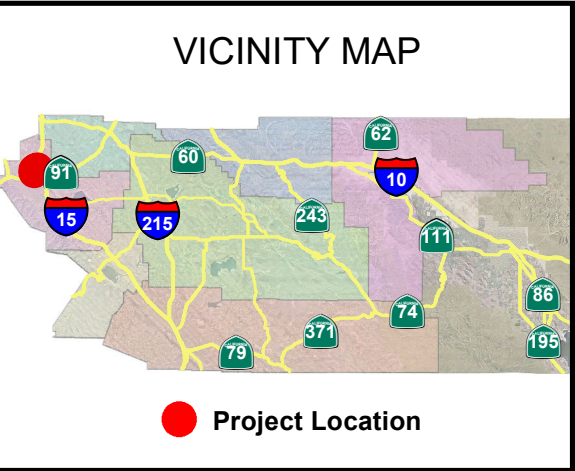
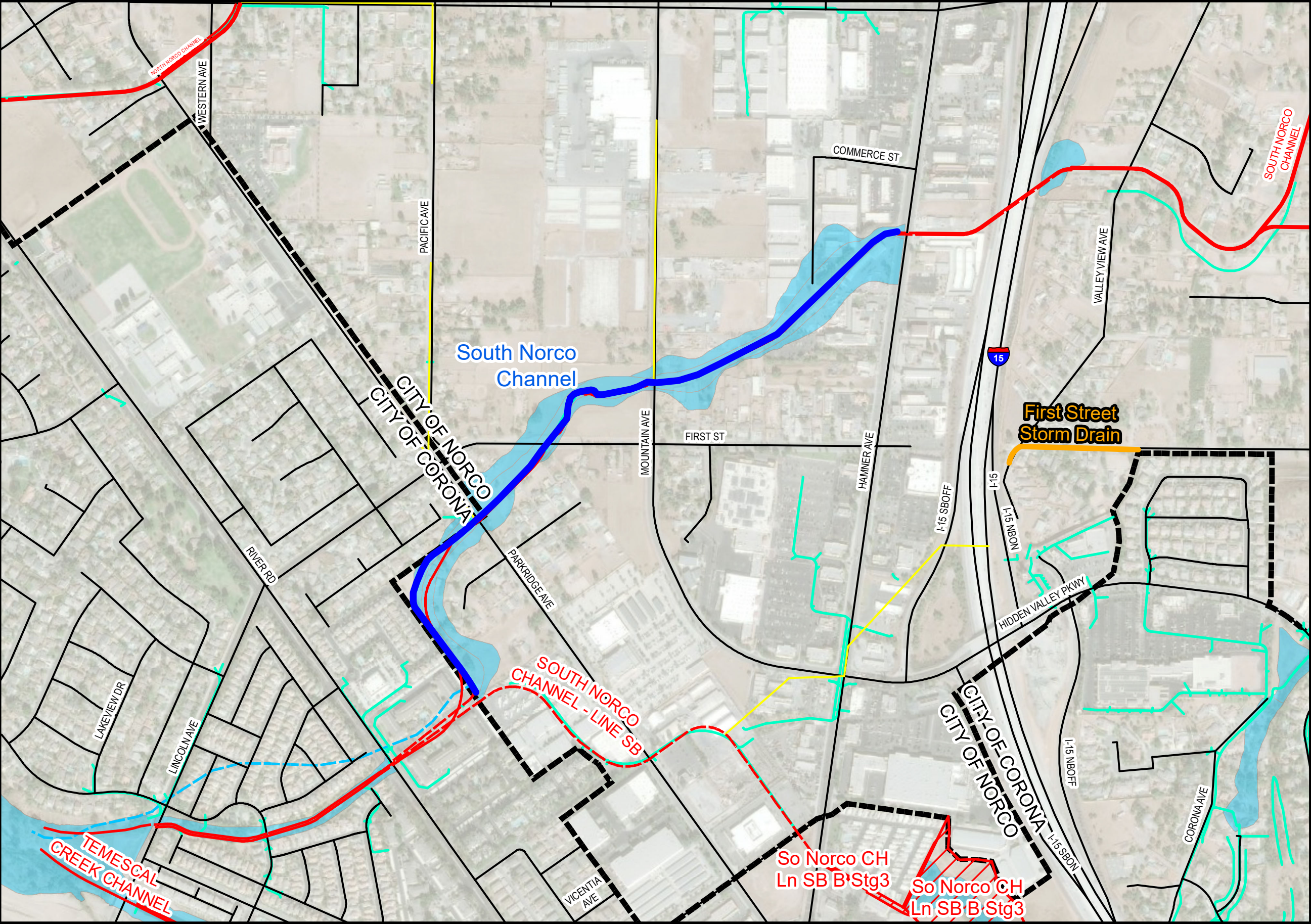


Description

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-builtplans and will soon be reviewing the Operation & Maintenance Manual needed for the maintenance of the BNSF project.

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

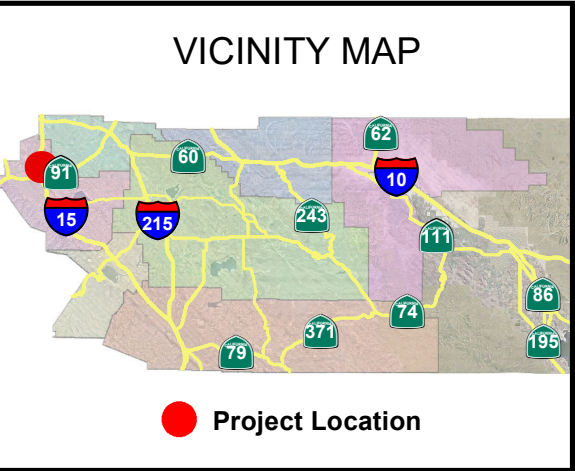
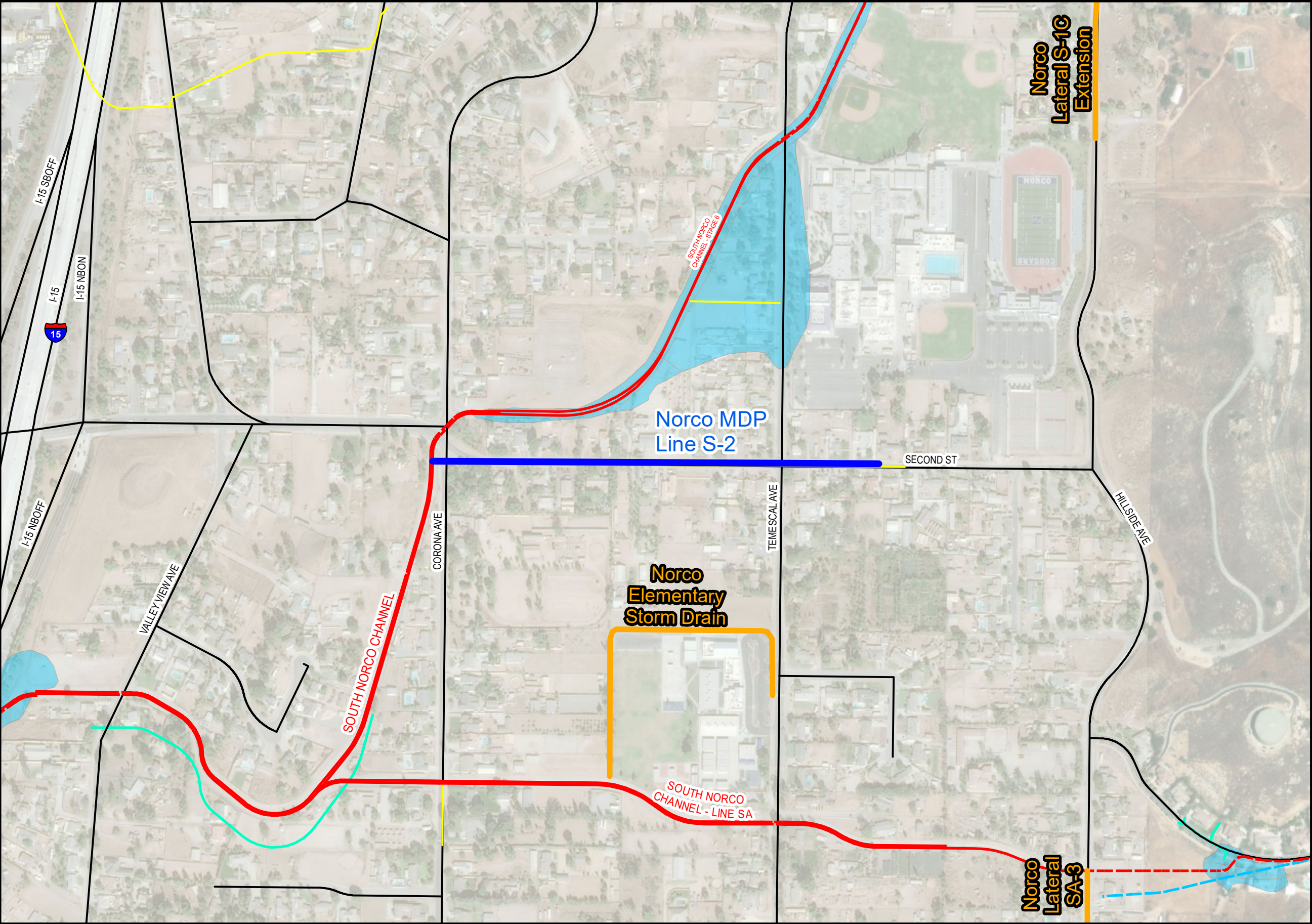




Description

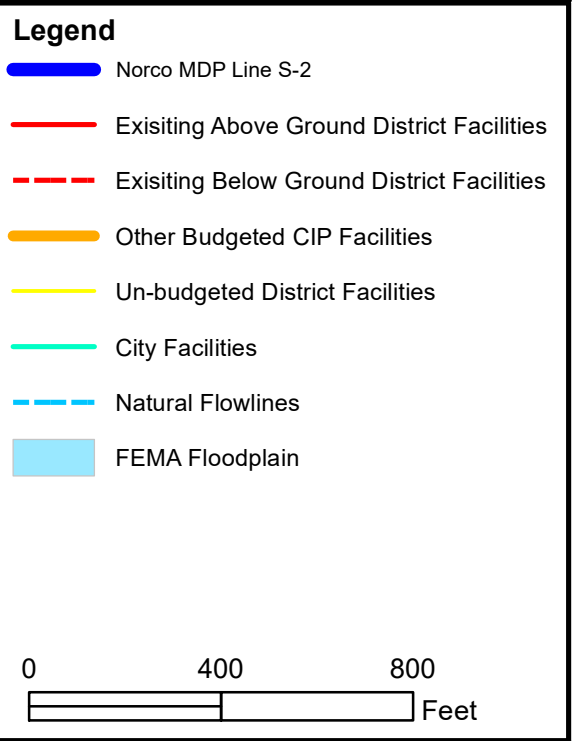
This City of Norco-led project will replace 5,800 feet of existing undersized channel, and will convey storm flows from Hamner Avenue to an existing reinforced concrete box (RCB) south of Parkridge Ave. Proposed facilities will include varying sizes of rectangular channel and RCB. The improvements will 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.





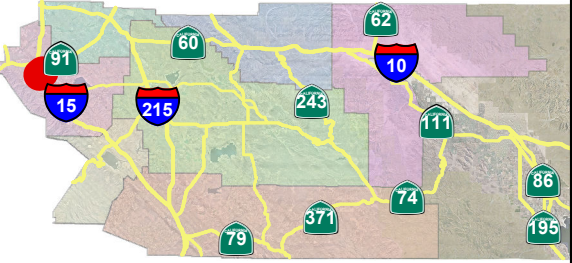
Description

This City of Norco-led project to provide flood protection to properties along Second Street. The project consists of 30-inch to 48-inch reinforced concrete pipe from east of Temescal Avenue and conveys it to the existing South Norco Channel, west of Corona Avenue.





VICINITY MAP



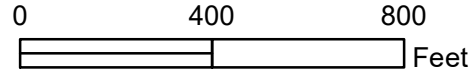
● Project Location

Description

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" to 33" diameter underground storm drain. The project will collect runoff at Kellogg Avenue and convey it to the existing storm drain in Magnolia Avenue ending at Mt. Wilson. The City will lead all aspects of the project and will assume responsibility for operations and maintenance following construction.

Legend

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



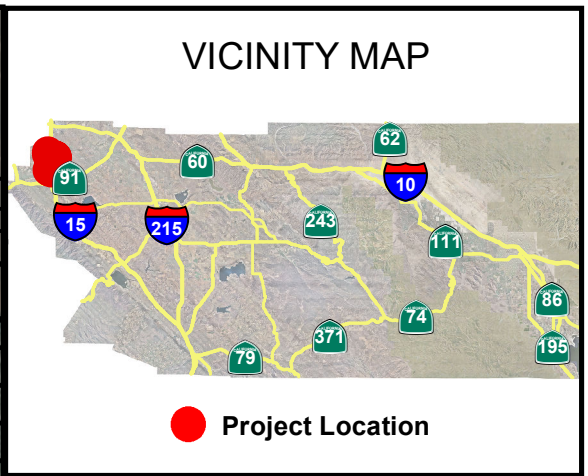
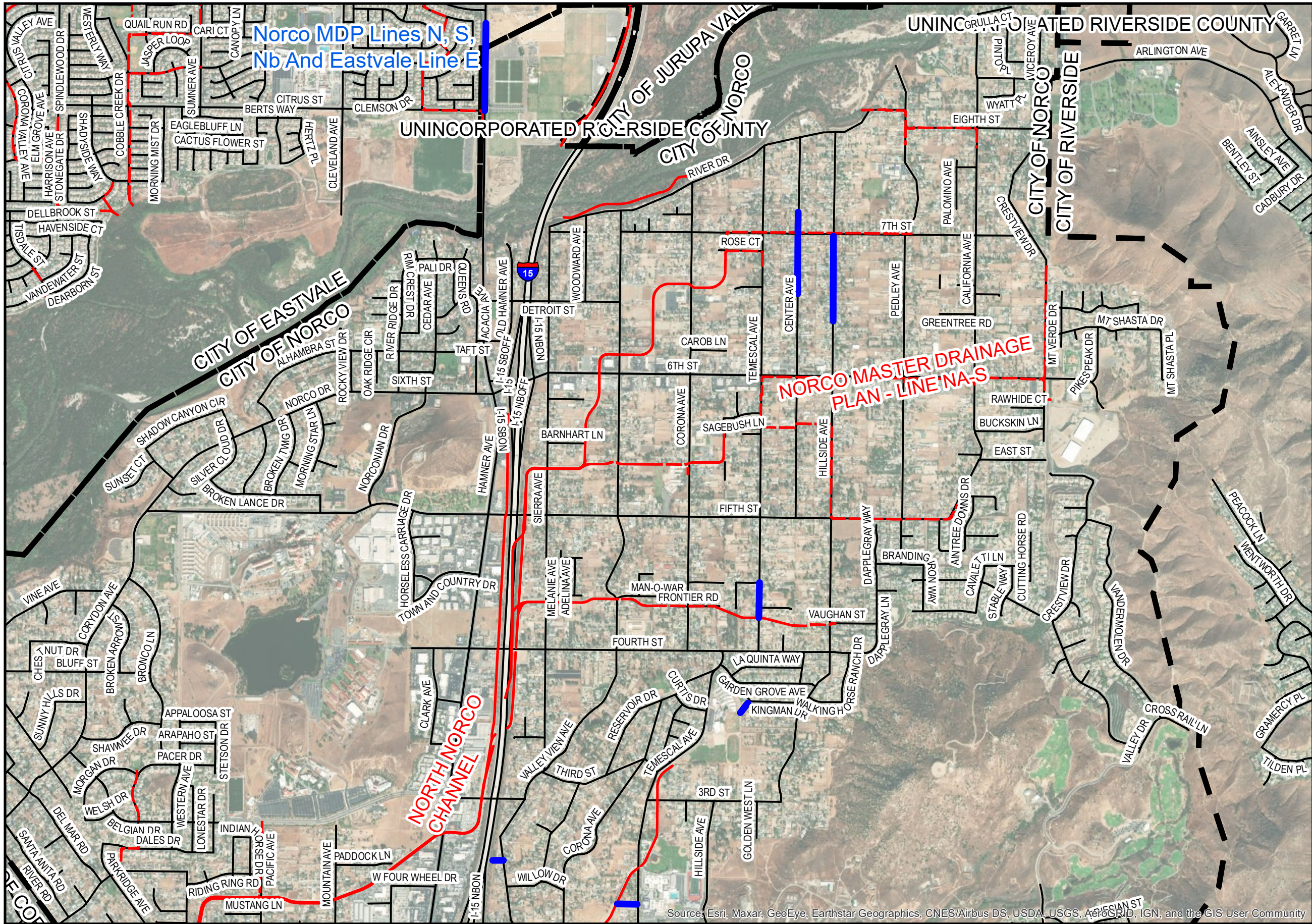
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Corona Drains Line 9A

Supervisory District 2

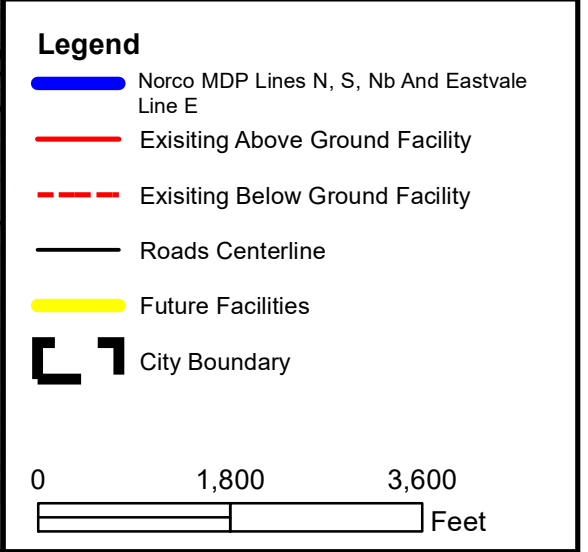


Project No.	2-8-00235
Engineer	A. Leung
Date Created	6/28/2022



Description

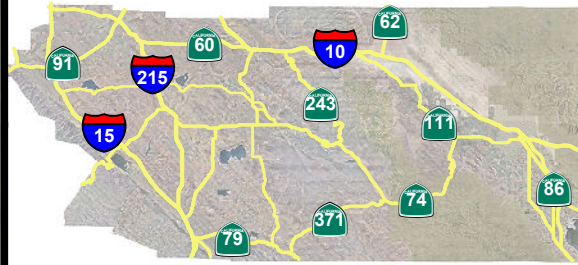
These are City of Norco-led projects to design and construct several underground storm drains within the Norco Master Drainage Plan. The proposed drainage facilities include: Norco MDP Line N-7 – A storm drain system from Valley View Avenue westerly approximately 200 lineal feet to an existing storm drain system. Norco MDP Lateral S-5A – A storm drain system from Kingman Drive southwesterly for approximately 250 lineal feet to Hillside Lane. 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. Norco MDP Line NB-2 – Approximately 750 lineal feet of storm drain system located in Temescal Avenue from south of Wrangler Way to the District's existing Norco MDP Line NB. Norco MDP Line N-1A – Approximately 1,200 lineal feet of storm drain system located in Center Avenue south of the intersection of Center Avenue and Seventh Street. Project is





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

VICINITY MAP



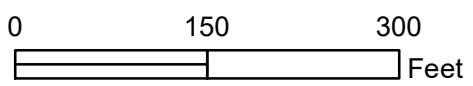
● Project Location

Description

This is a City of Lake Elsinnore-led project to replace the Temescal Canyon Road bridge. As part of the bridge replacement project, 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 up to \$3.3M towards the total project cost of 21M, per funding agreement executed on October 23, 2018.

Legend

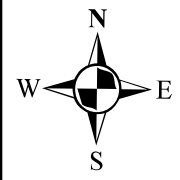
- Temescal Wash Improvement at Temescal Canyon Road
- Flow Lines
- Existing Above Ground Facility
- Existing Below Ground Facility
- Roads Centerline
- Existing Facilities Area
- City Boundary



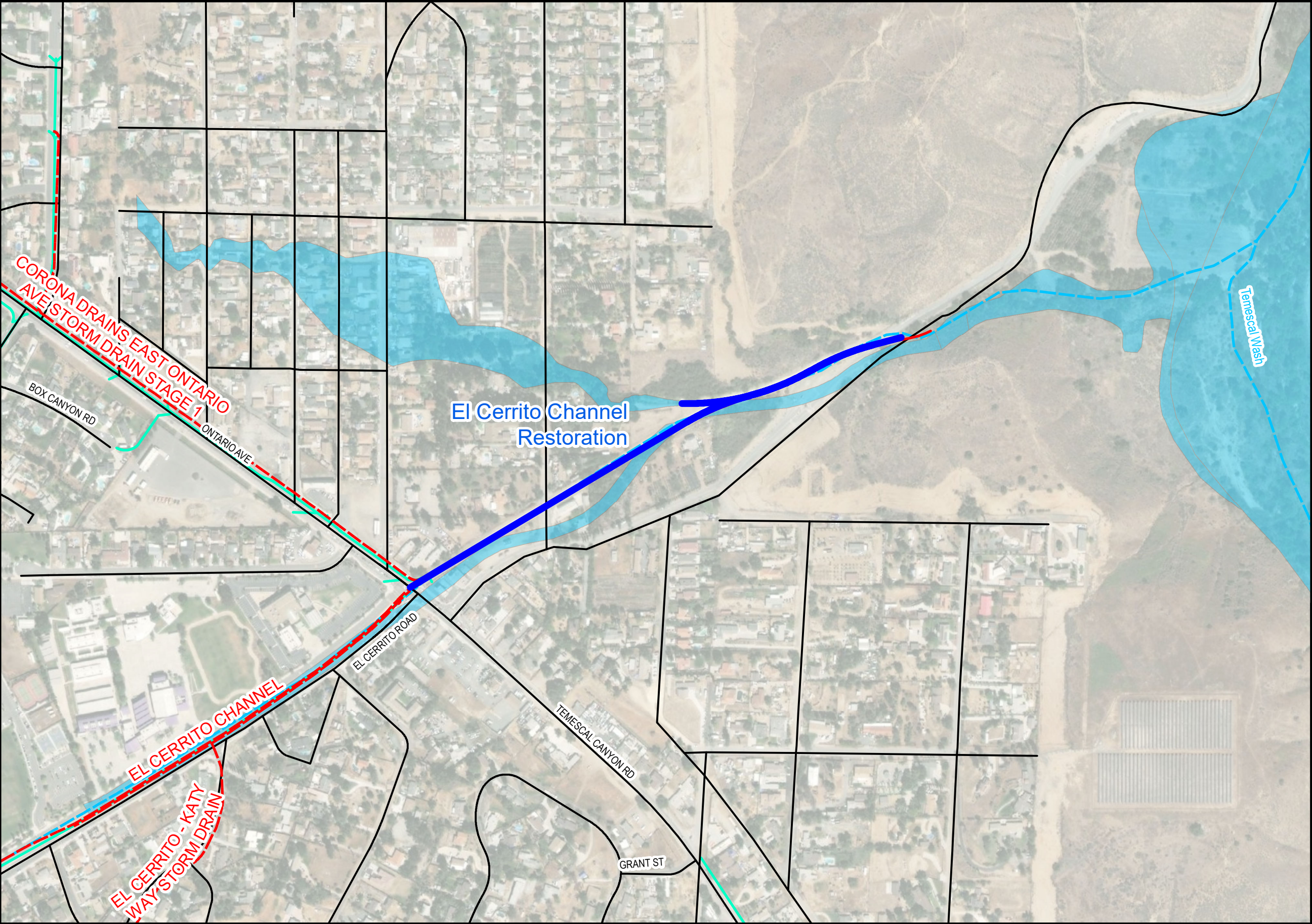
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Temescal Wash Improvement at Temescal Canyon Road

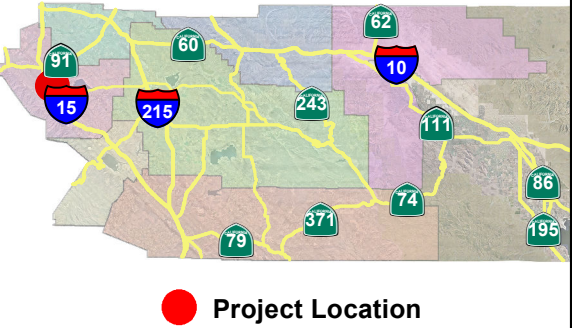
Supervisory District 1



Project No.	2-6-10030
Engineer	O. Pearson
Date Created	1/23/2020



VICINITY MAP

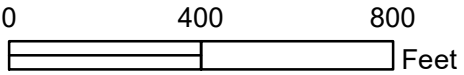


Description

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 convey the water northeasterly to Temescal Creek.

Legend

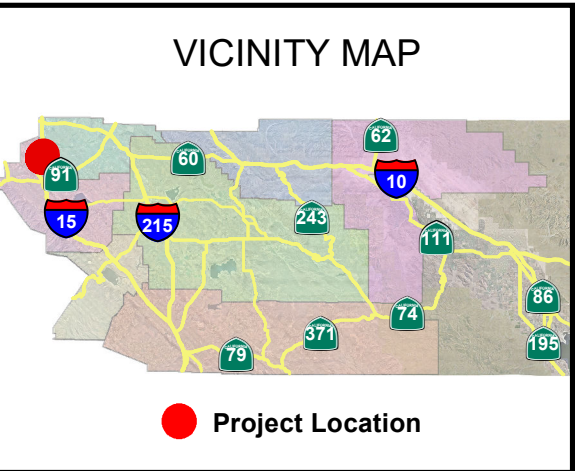
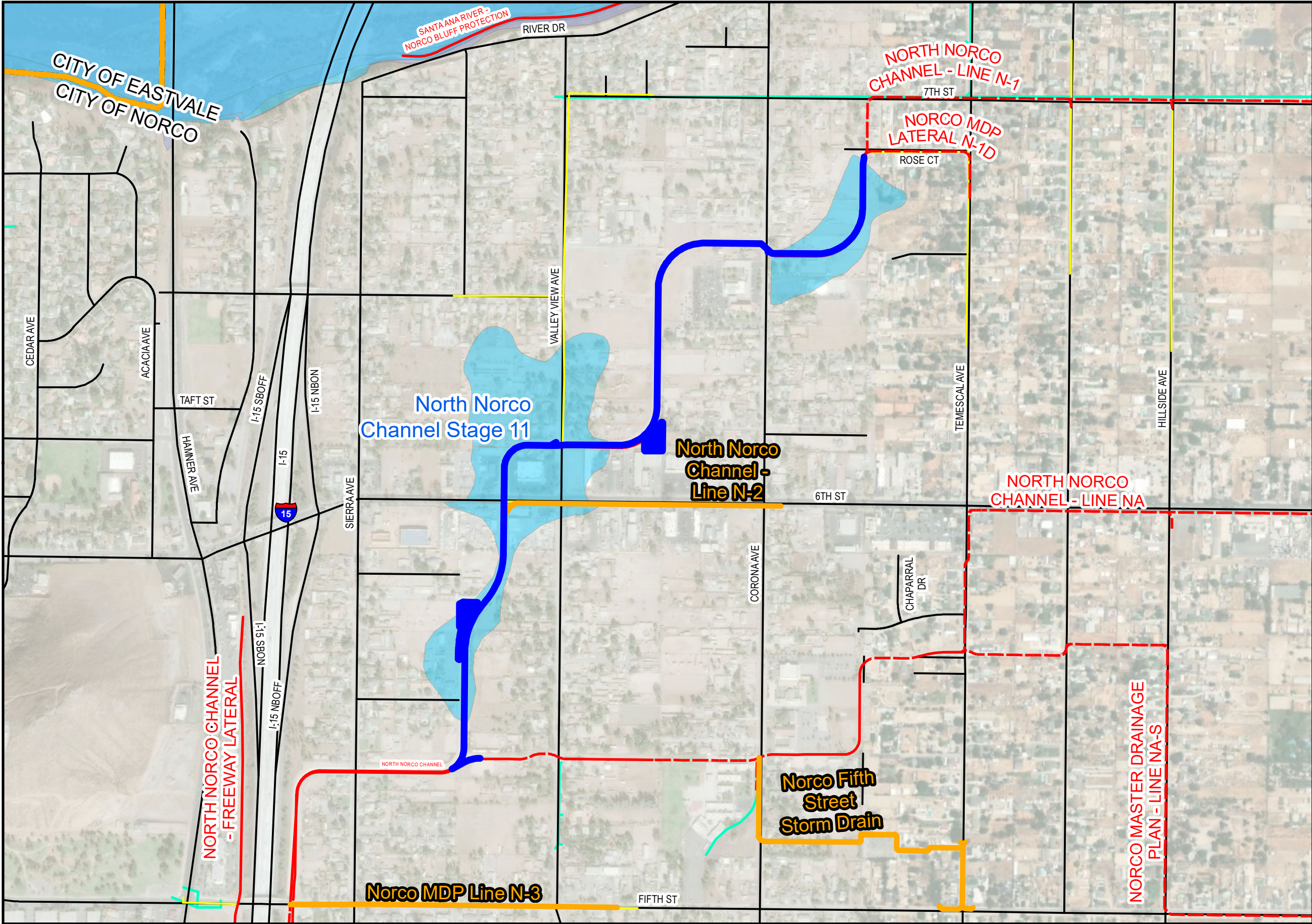
- El Cerrito Channel Restoration
- Existing Above Ground District Facilities
- Existing Below Ground District Facilities
- County Facilities
- Natural Flowlines
- FEMA Floodplain



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
El Cerrito Channel Restoration
Supervisorial District 2

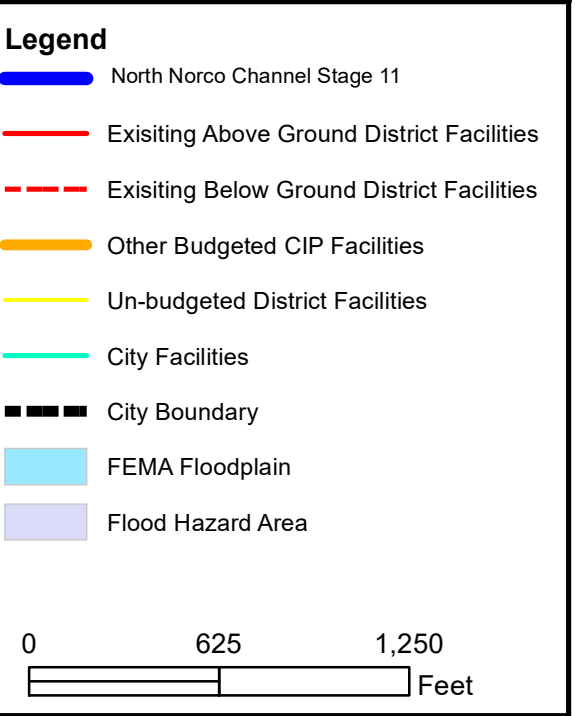


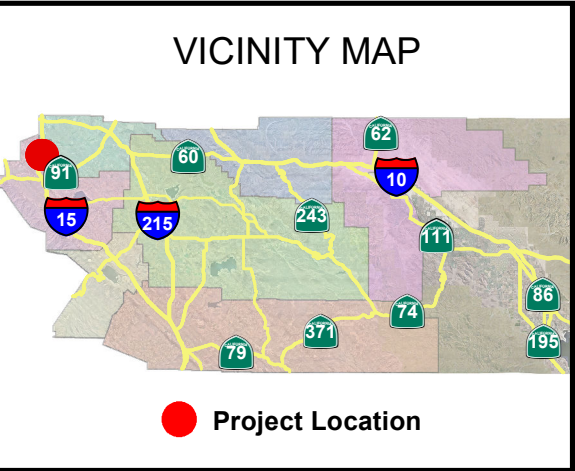
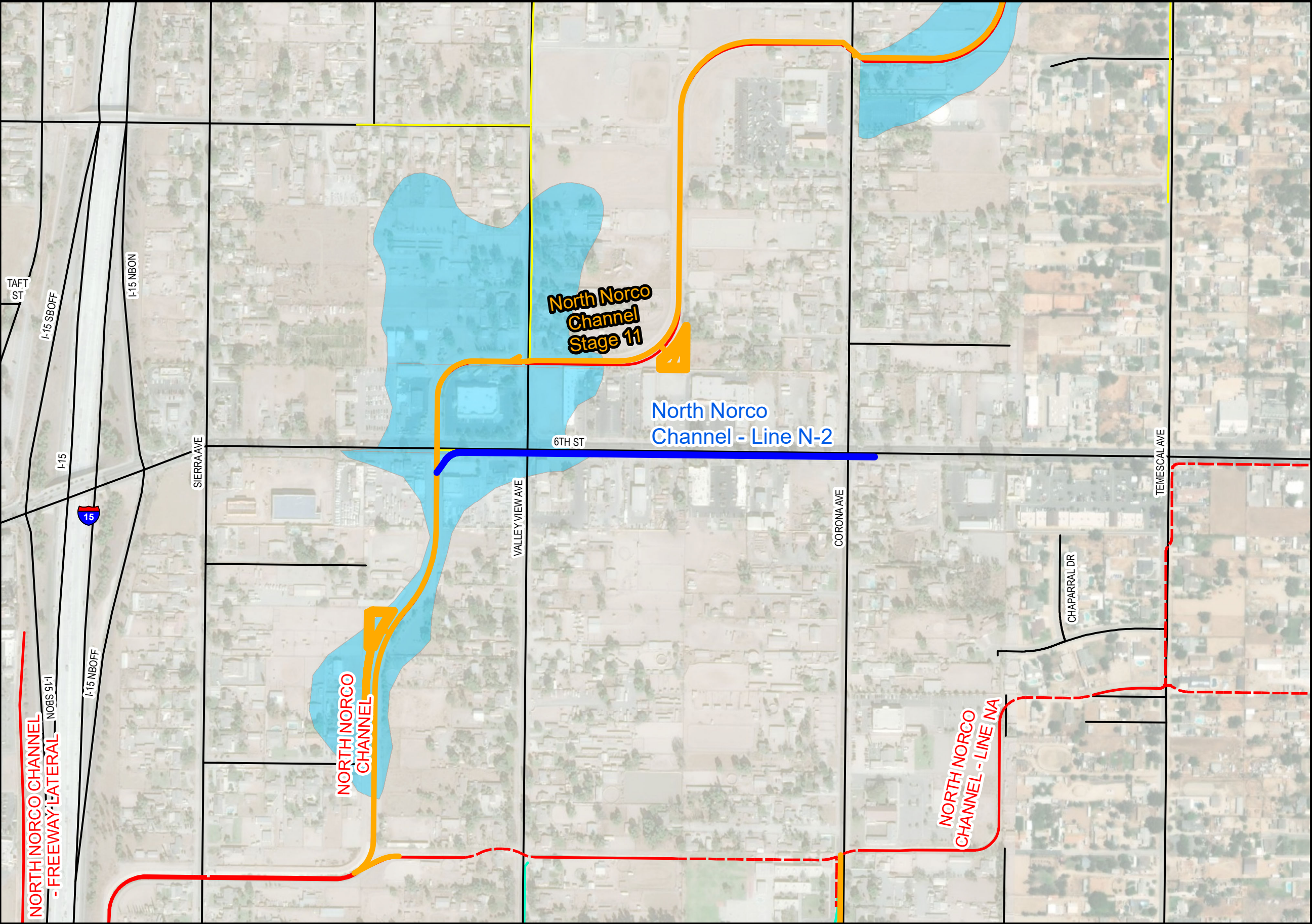
Project No.	2-8-00110
Engineer	A. Chan
Date Created	6/28/2022



Description

This District-led project will replace an interim existing earthen channel with a higher capacity concrete-lined channel that can safely to 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 and Fifth Street. The project will also construct two infiltration basins to reduce runoff pollutants from adjacent land.

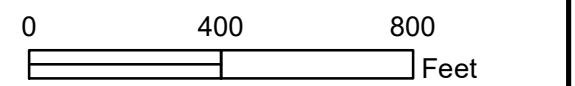


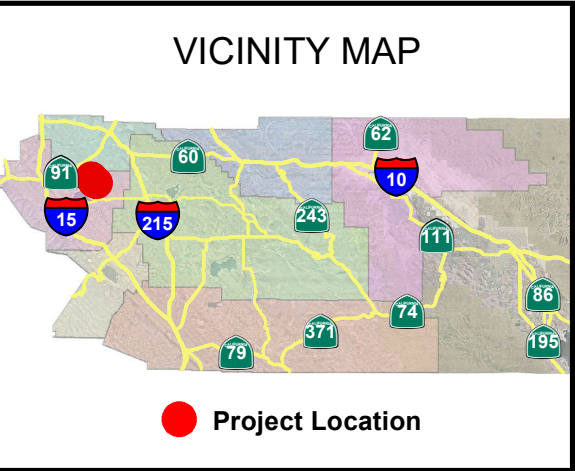
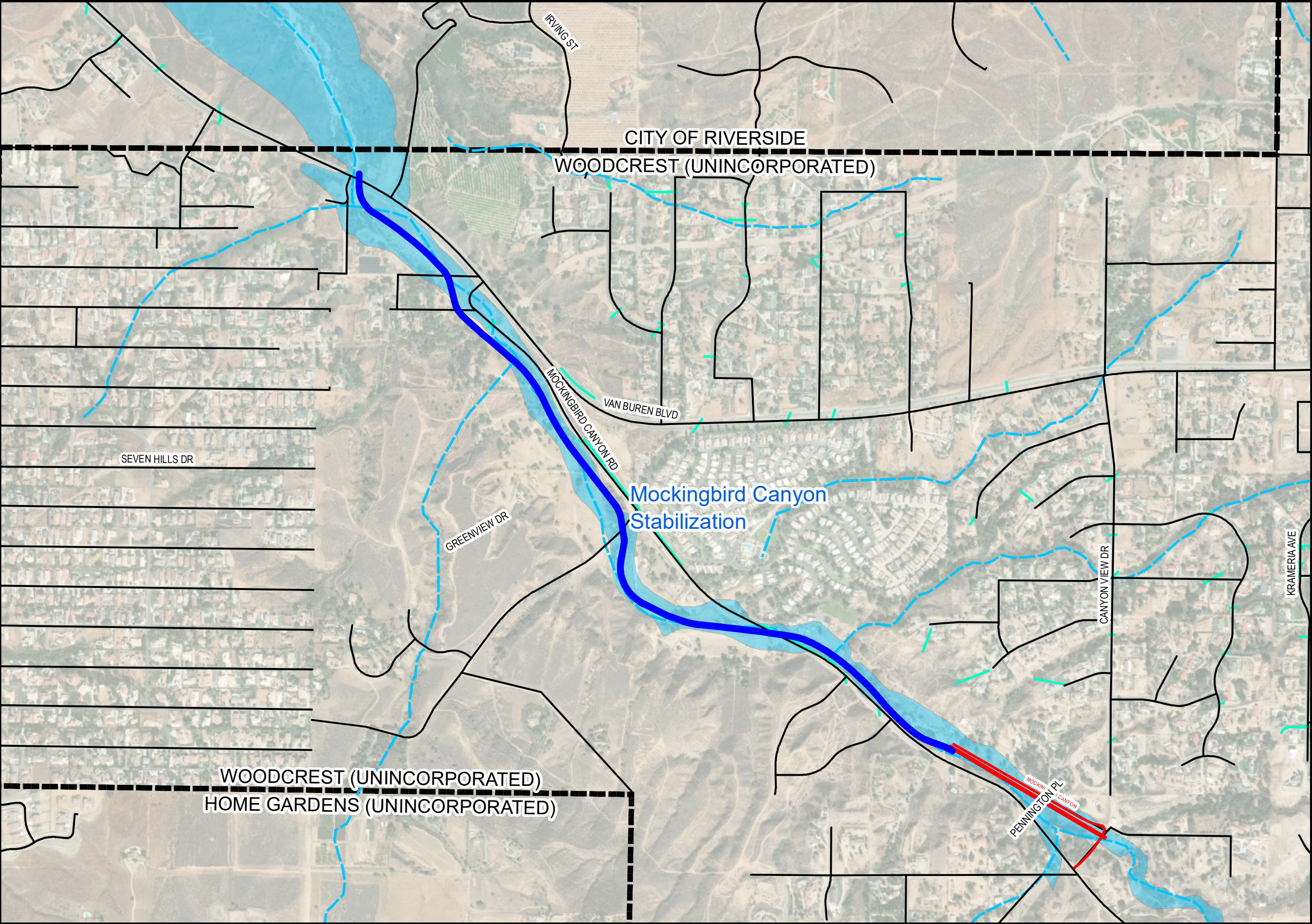


Description

This is a District-led proposed storm drain project in Sixth Street. It will construct approximately 1,800 feet of underground storm drain that will capture storm flows beginning at Corona Avenue and convey them westerly along Sixth Street to North Norco Channel, Stage 11. The primary objective of this project is to provide 100-year flood protection to travelers and businesses along Sixth Street.

- ### Legend
- North Norco Channel - Line N-2
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - Un-budgeted District Facilities
 - City Facilities
 - FEMA Floodplain

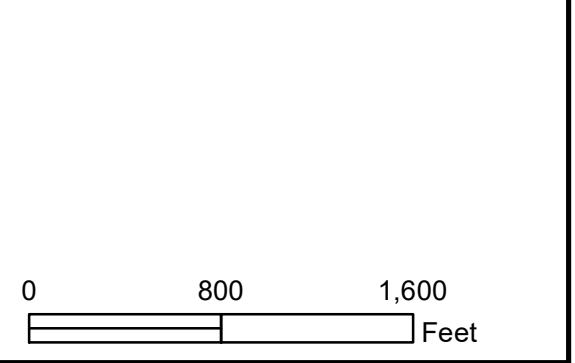


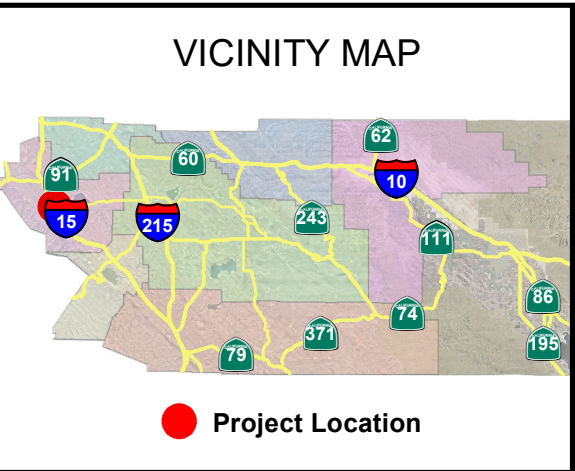
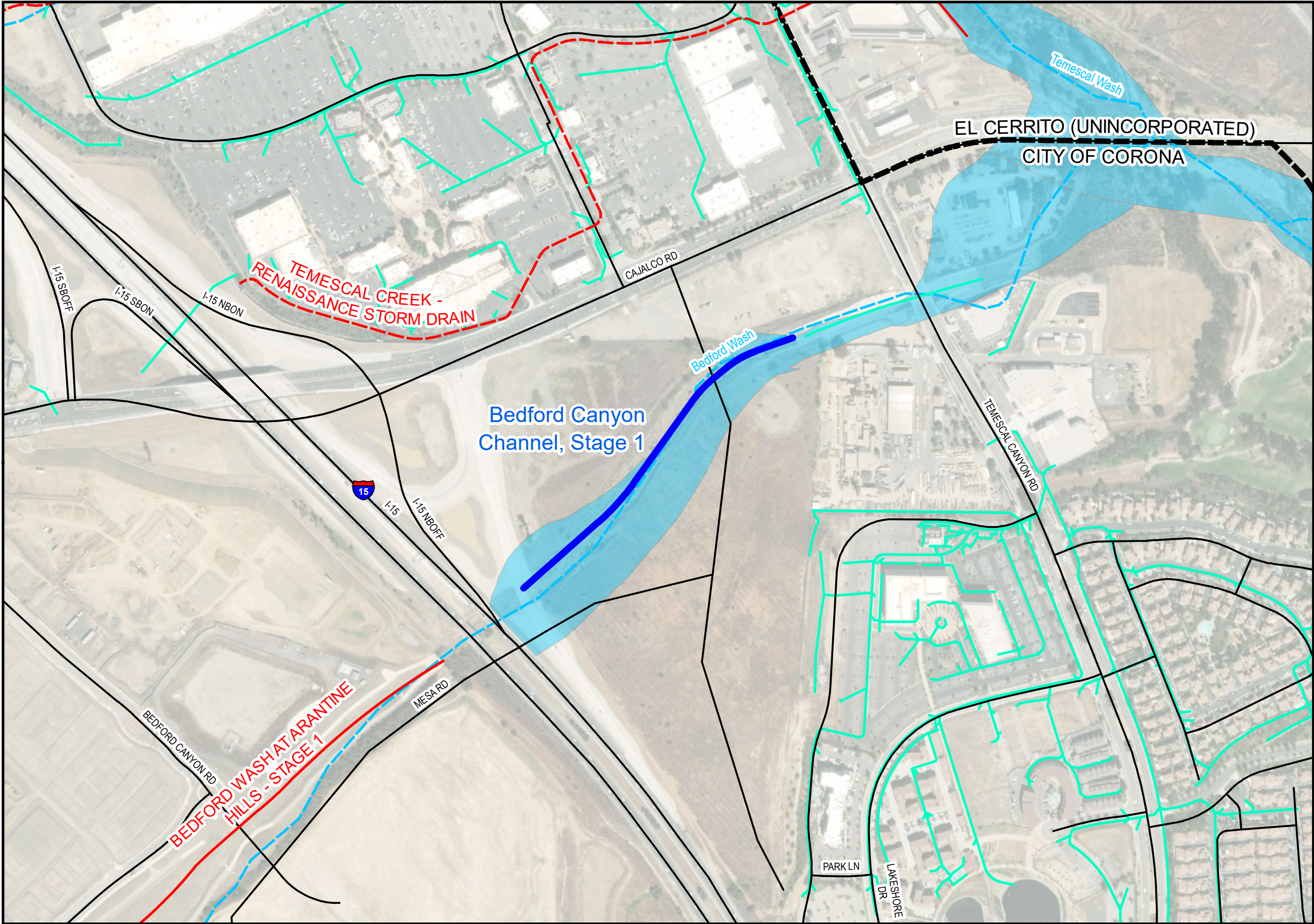


Description

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 project begins at the Pennington Place bridge crossing and traverses parallel to Mockingbird Canyon Road to Van Buren Boulevard where the project ends. The drainage improvements are anticipated to consist of soil cement/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.

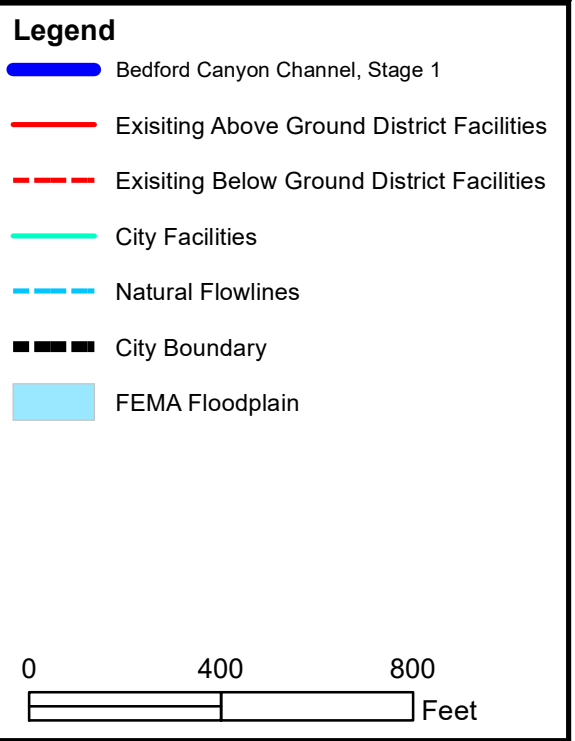
- ### Legend
- Mockingbird Canyon Stabilization
 - Existing Above Ground District Facilities
 - City Facilities
 - Natural Flowlines
 - City Boundary
 - FEMA Floodplain

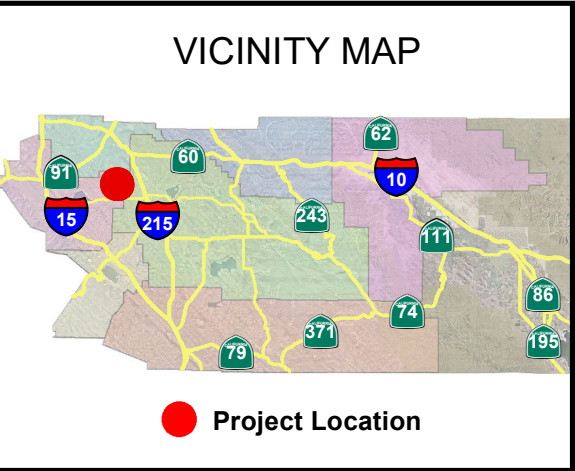
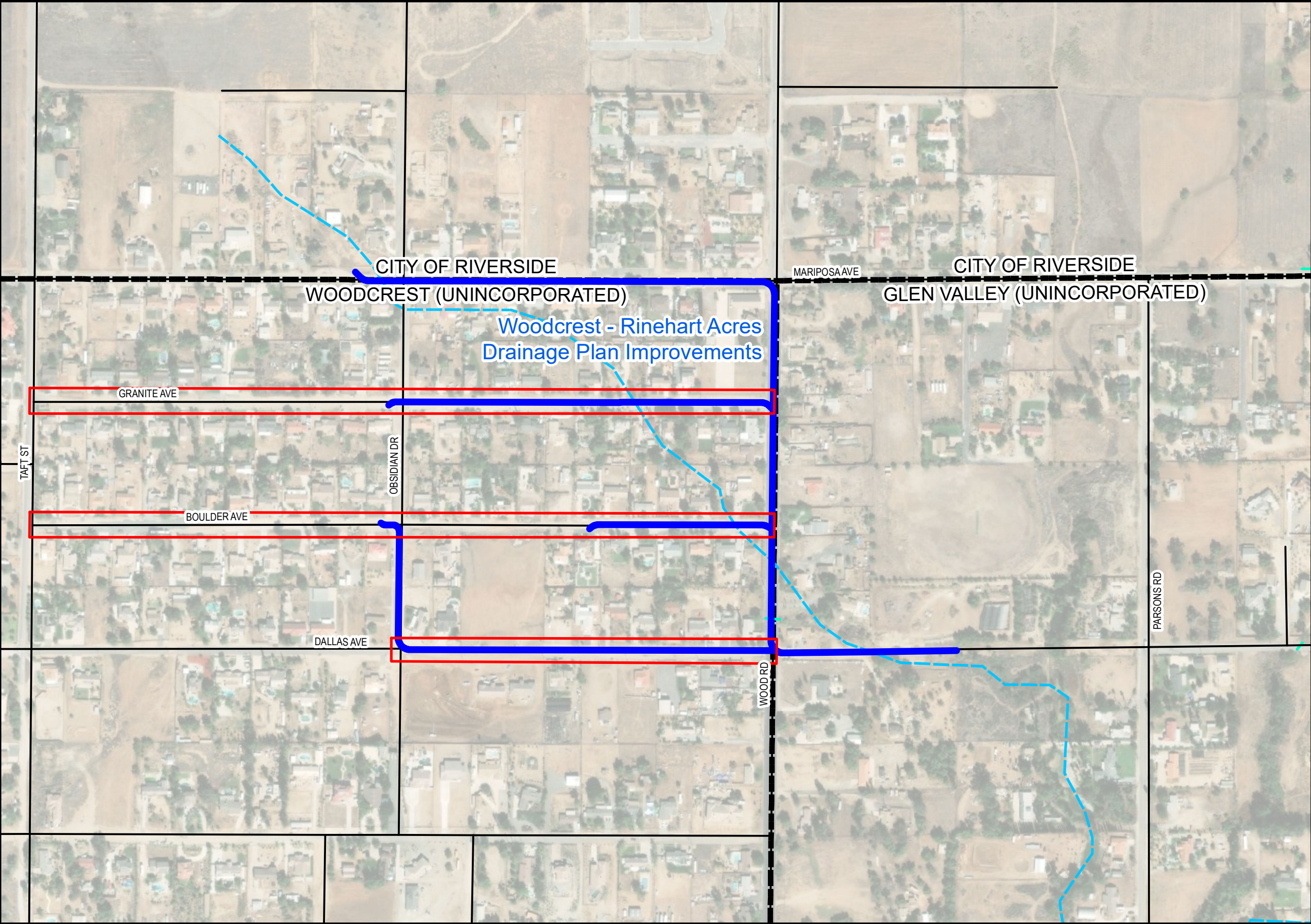




Description

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 that reduces erosion and sediment generated in the wash. Additionally, the project will aim to accommodate space for the Butterfield Overland Trail Project.




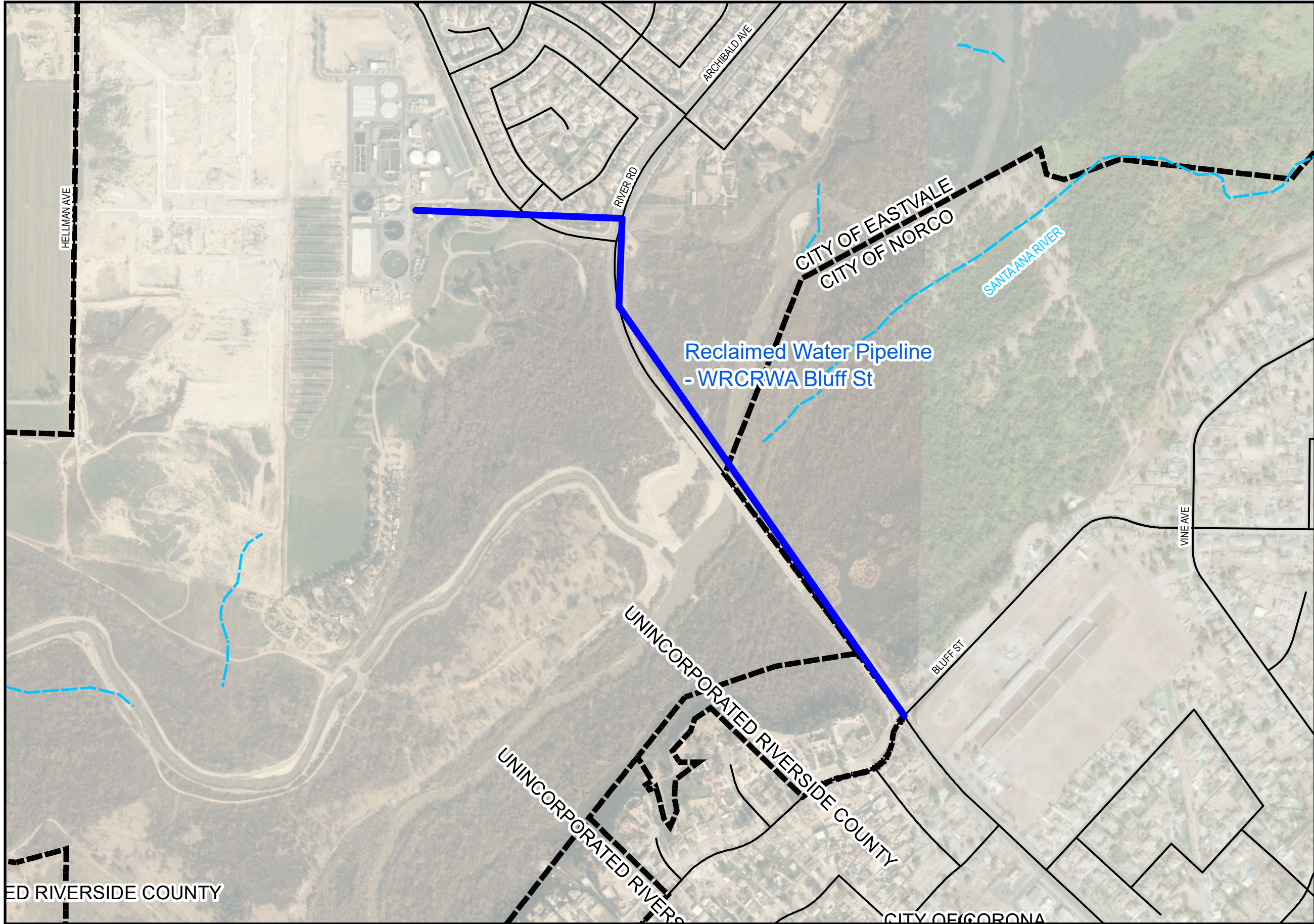


Description

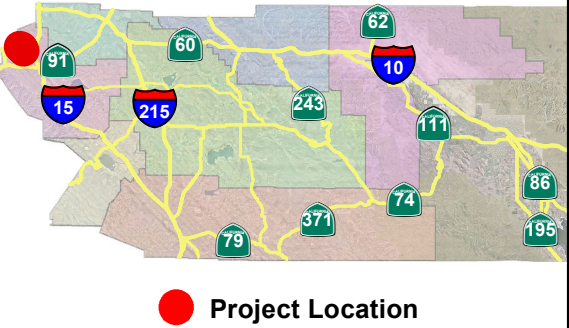
This is a District-led project to reduce street and community flooding in the Woodcrest Rinehart-Acres subdivision. The project consists of 10,250 feet of street improvements and 6,950 feet of a reinforced concrete pipe storm drain system ranging in diameter from 18-inch to 66-inch to convey flows from streets of Mariposa Avenue, Granite Avenue, Boulder Avenue and Dallas Avenue 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.



	Project No.	2-8-00406
	Engineer	M. Gonzalez
	Date Created	6/29/2022



VICINITY MAP

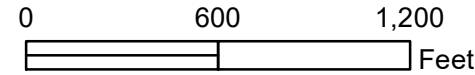


Description

This is a City of Corona-led project to improve the City's reclaimed water network. This project includes the construction of 5,100 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.

Legend

- Reclaimed Water Pipeline - WRCRWA Bluff St
- Natural Flowlines
- City Boundary

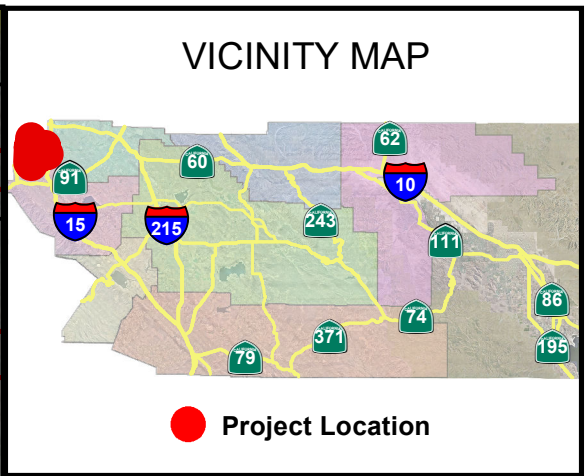
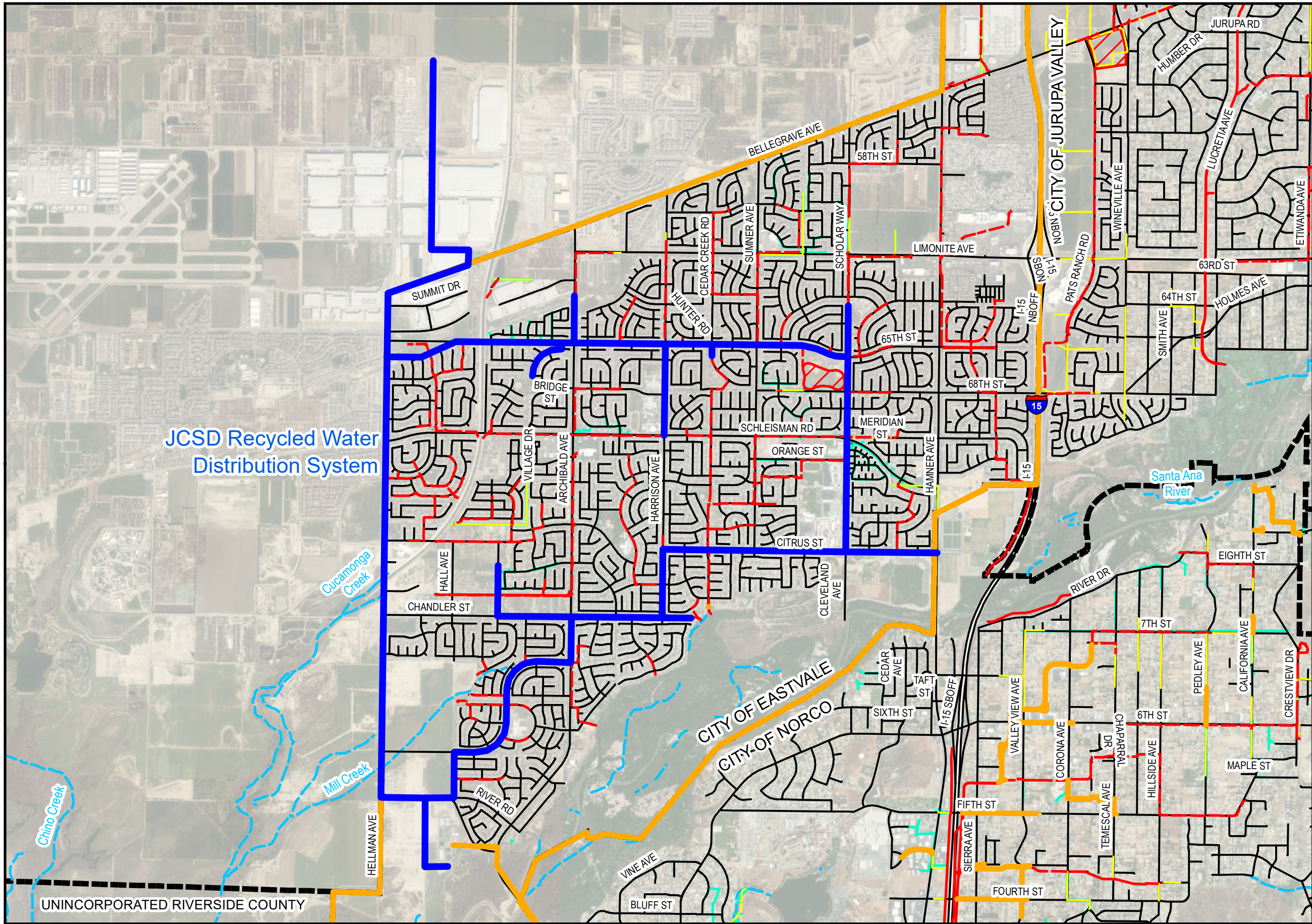


RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Reclaimed Water Pipeline - WRCRWA Bluff St
Supervisory District 2



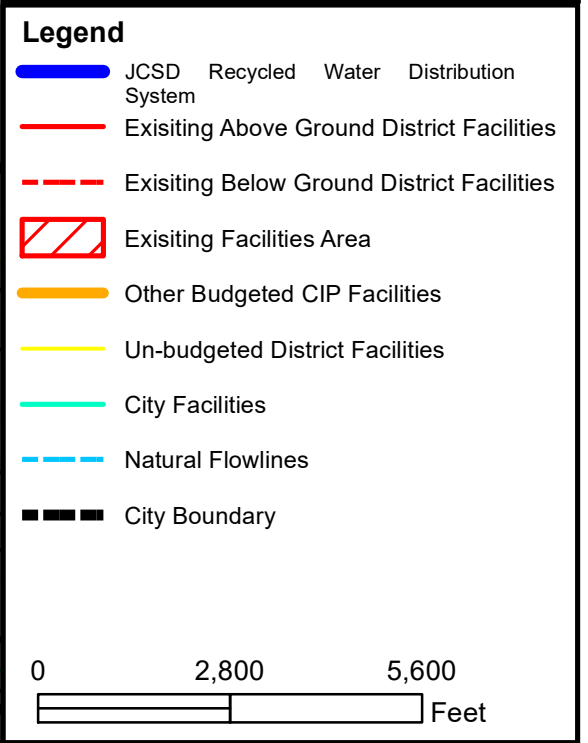
Project No.	2-6-10005
Engineer	A. Leung
Date Created	6/29/2022

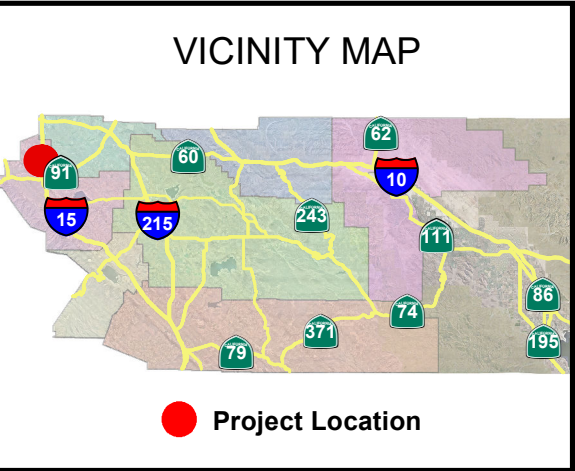
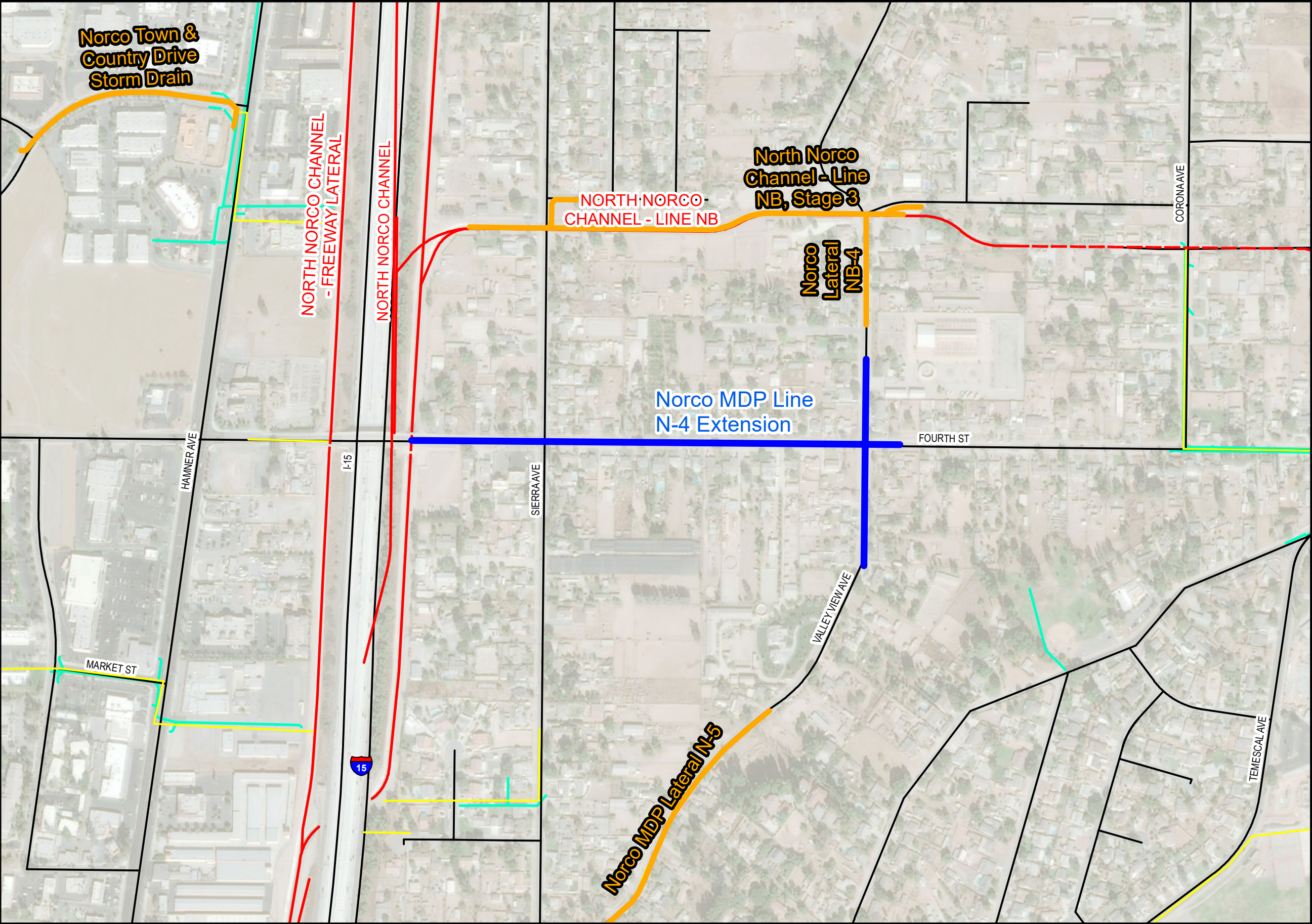




Description

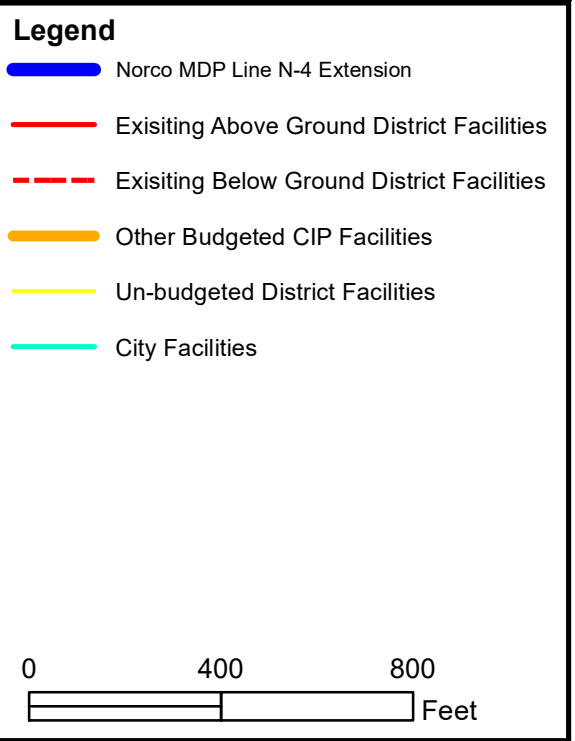
This is a JCSD-led project for a regional solution to enhance reclaimed water use and distribution with approximately 31,600 feet of 24-inches pipe throughout Eastvale. The reclaimed water will be used in Eastvale and within JCSD service areas.

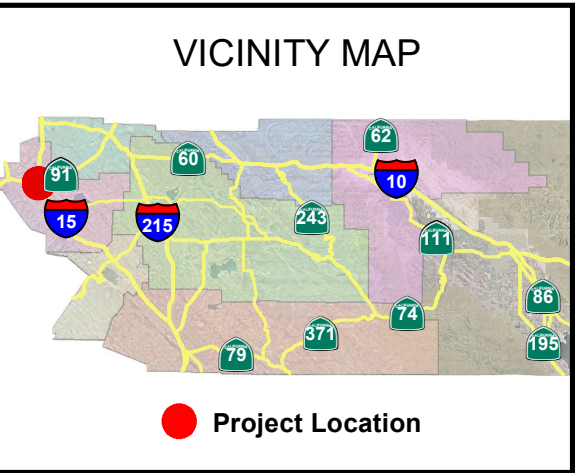
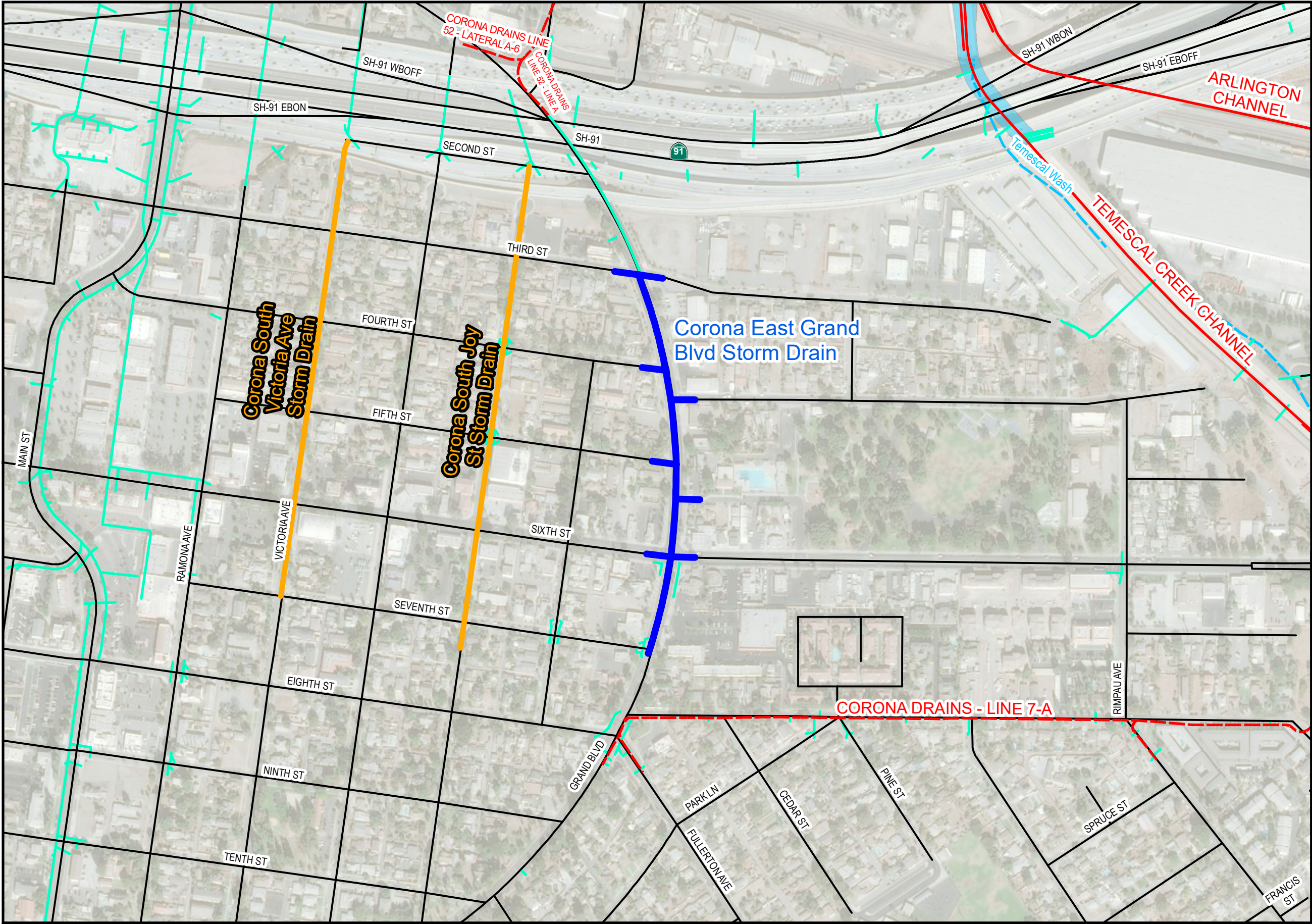




Description

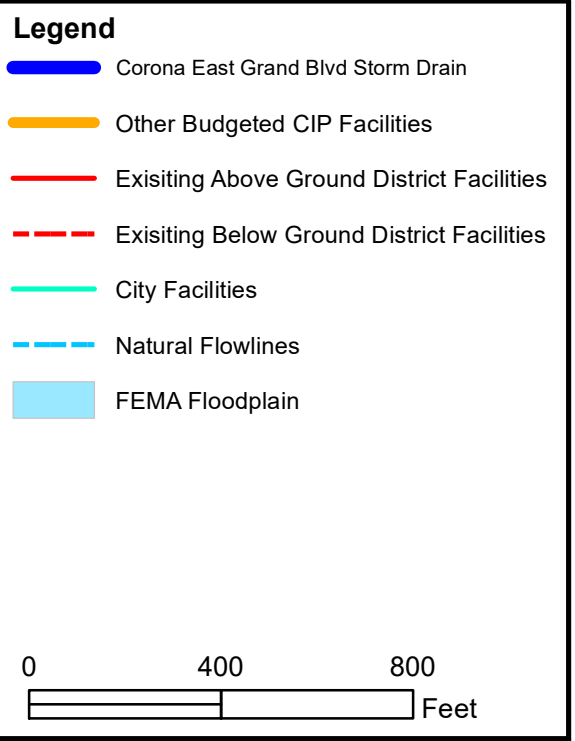
This is a City of Norco-led project to construct 2,900 feet of storm drain, ranging from 24-inch to 36-inch diameter. Project will collect water along Valley View Avenue and 4th Street to convey it westerly towards the I-15 freeway and will outlet into the existing North Norco Channel. This project will reduce street and community flooding along 4th Street and Valley View Avenue.

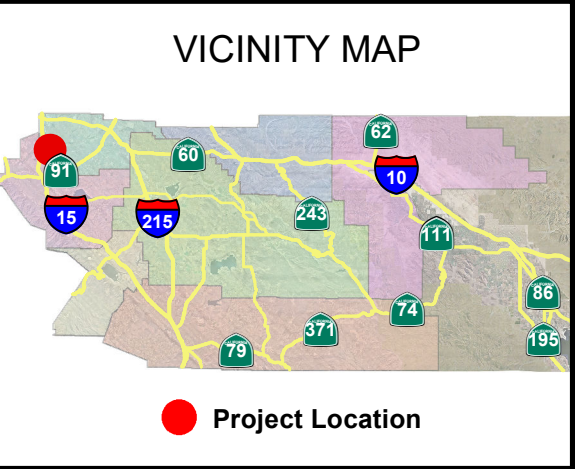
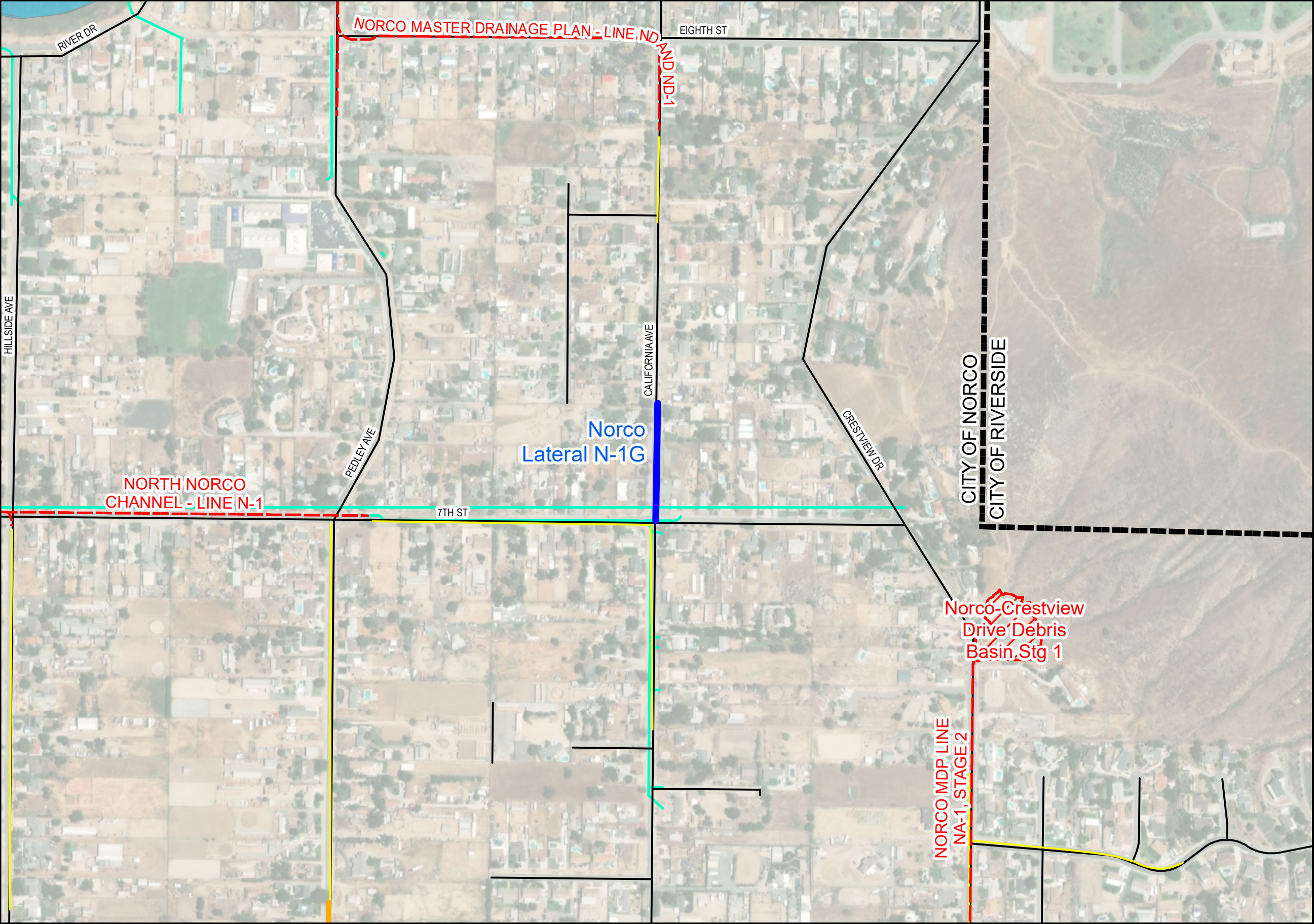




Description

The City of Corona-led project proposes to construct 1,600 feet of 36-inch diameter reinforced concrete pipe (RCP). 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.





Description

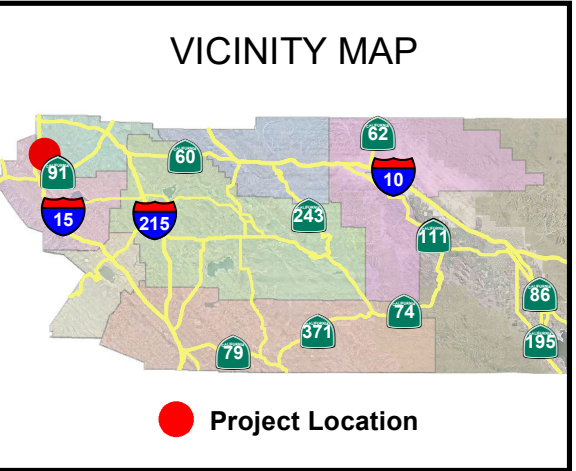
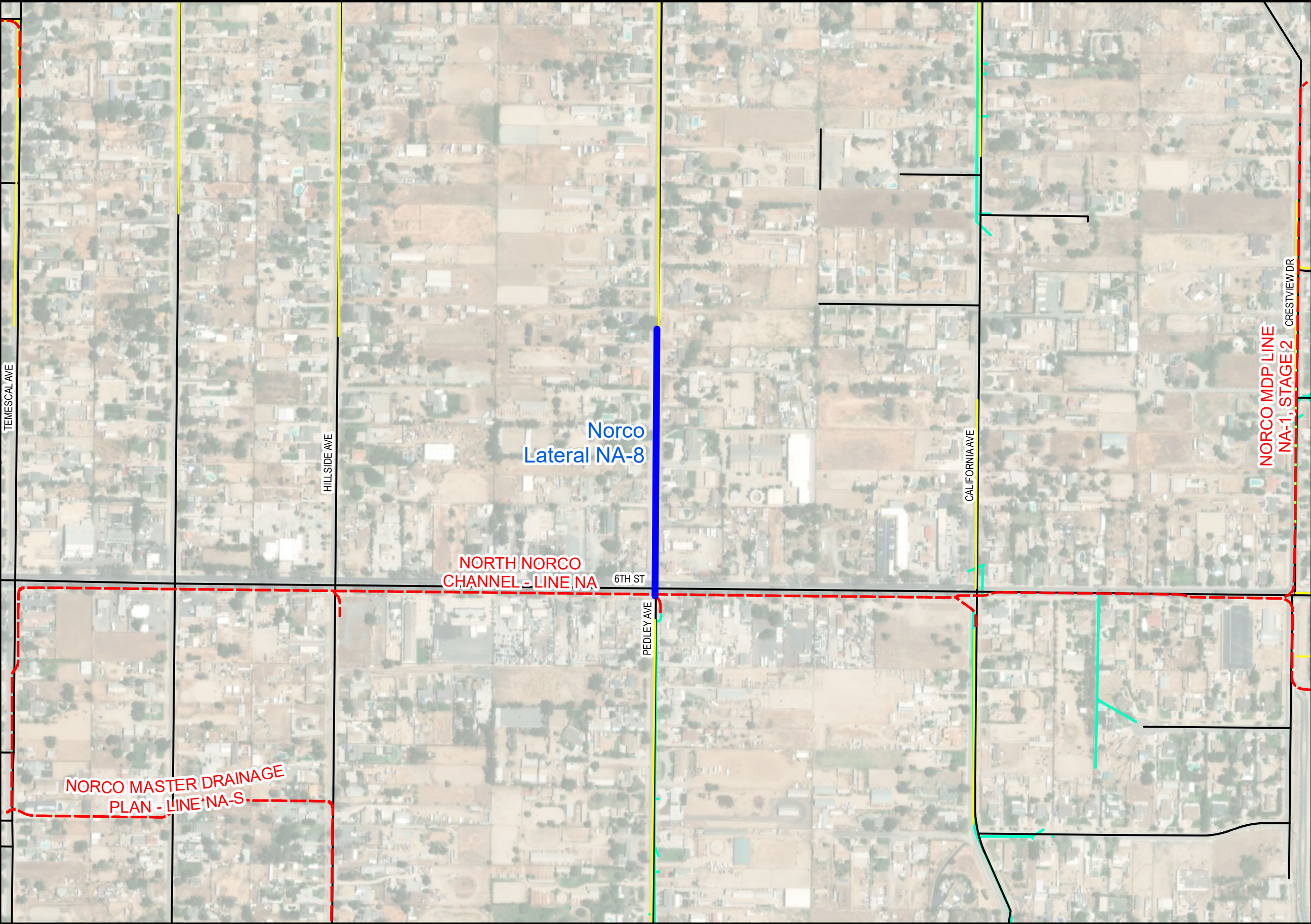
This is a City of Norco-led project to reduce street flooding on California Avenue. The proposed underground storm drain would consist of approximately 600 feet of 24-inch maximum diameter pipe collecting flows and conveying them from north to south within California Avenue and outlet into the existing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

0400800

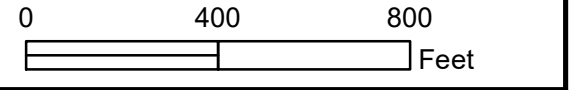
Feet



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





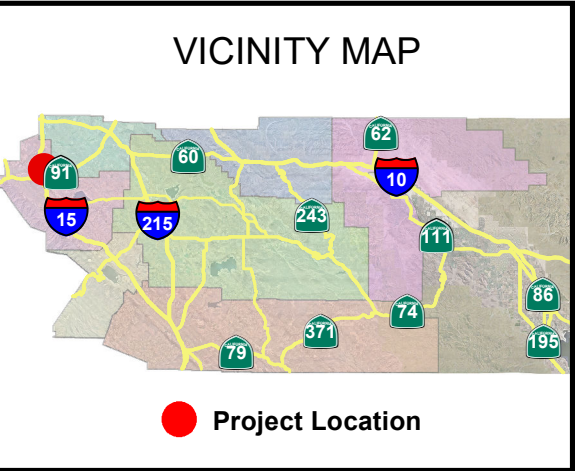
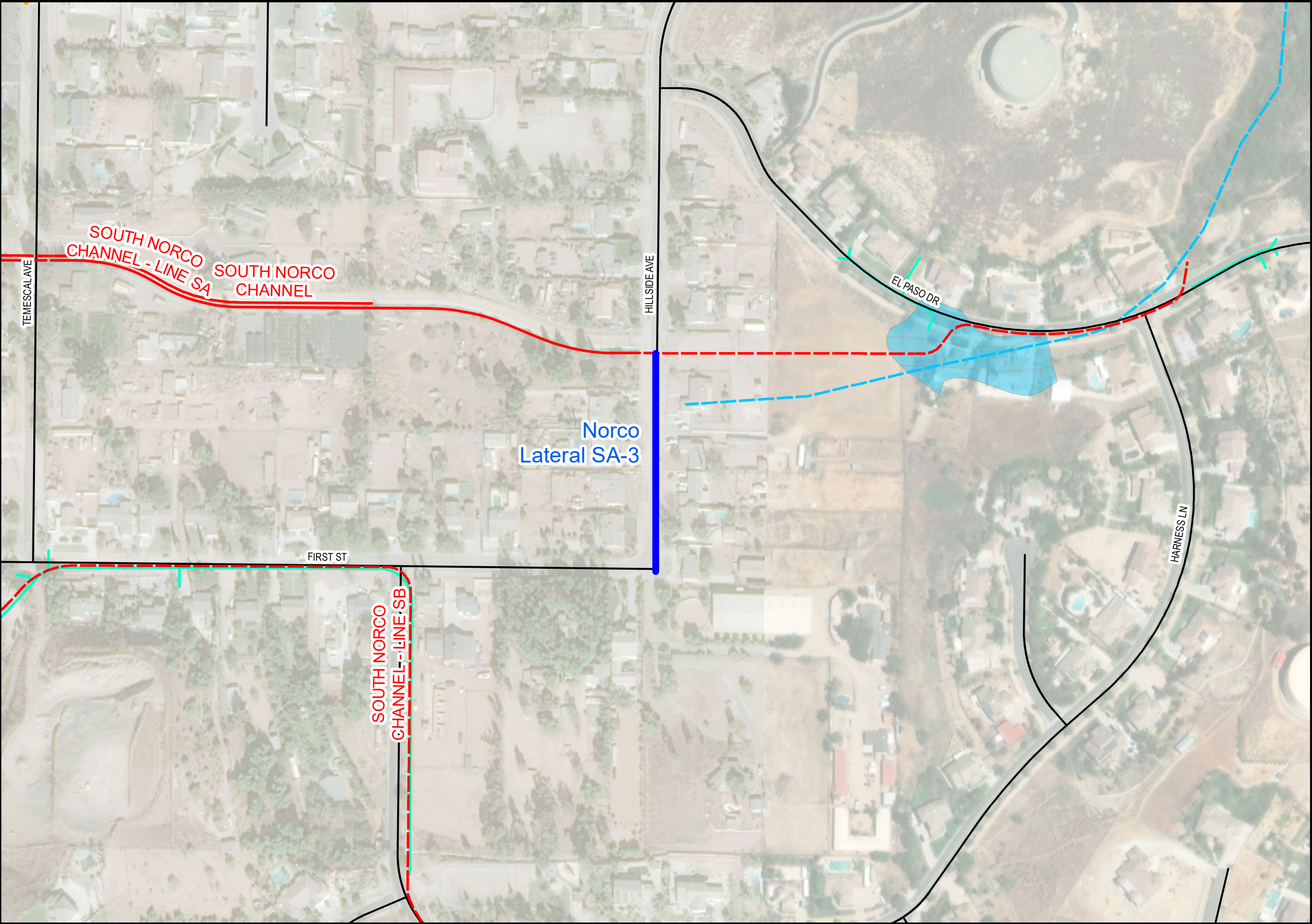
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Norco Lateral NA-8

Supervisory District 2

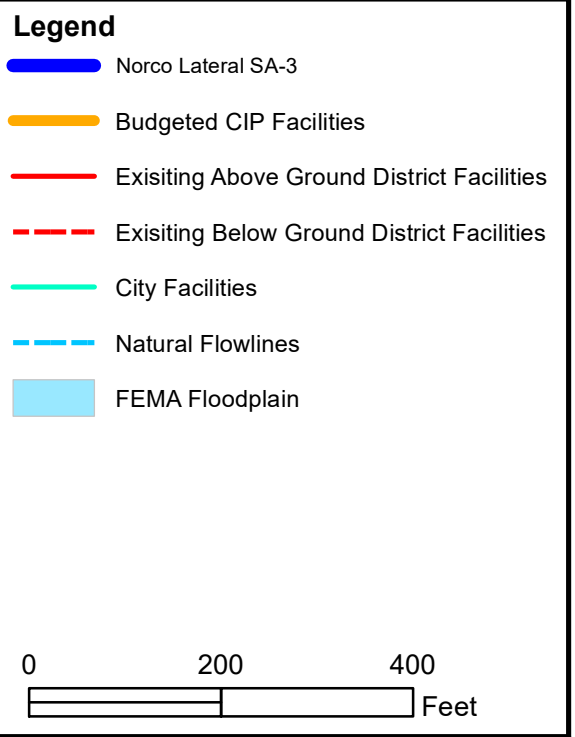


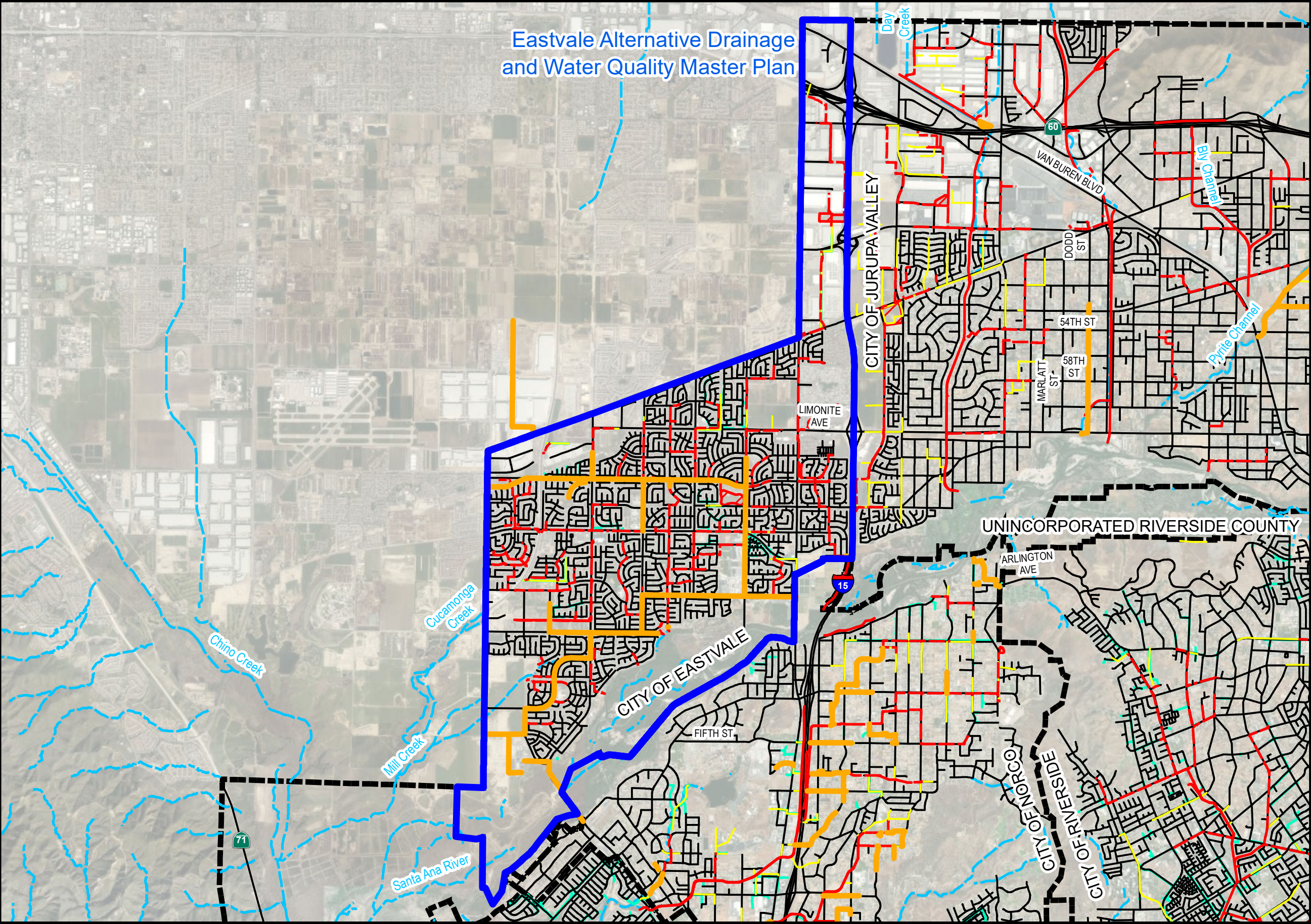
Project No.	2-6-10035
Engineer	A. Leung
Date Created	6/29/2022



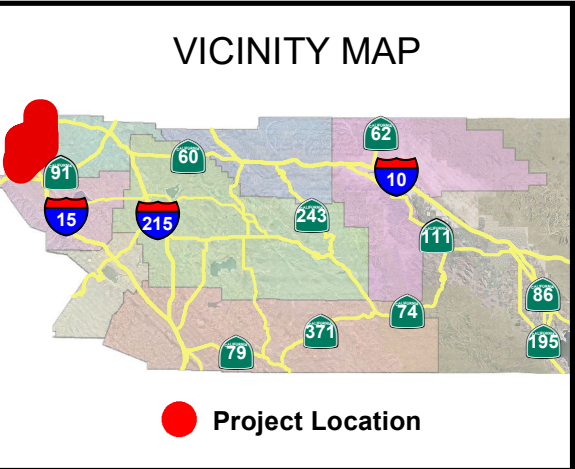
Description

This is a City of Norco-led project to reduce street flooding on Hillside Avenue. The proposed underground storm drain consists of approximately 450 feet of 30-inch maximum diameter pipe that will convey flows north within Hillside Avenue, starting from the intersection of First Street and Hillside Avenue, and discharging into the existing South Norco Channel Line SA. The City will lead all aspects of the project and will assume responsibility for operation and maintenance following construction.





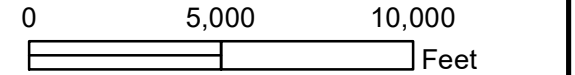
Eastvale Alternative Drainage
and Water Quality Master Plan

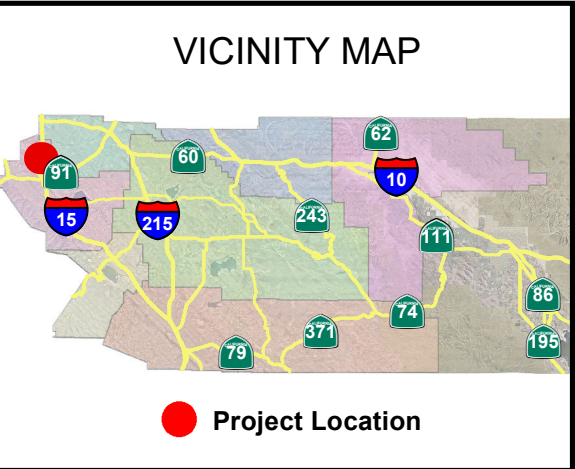
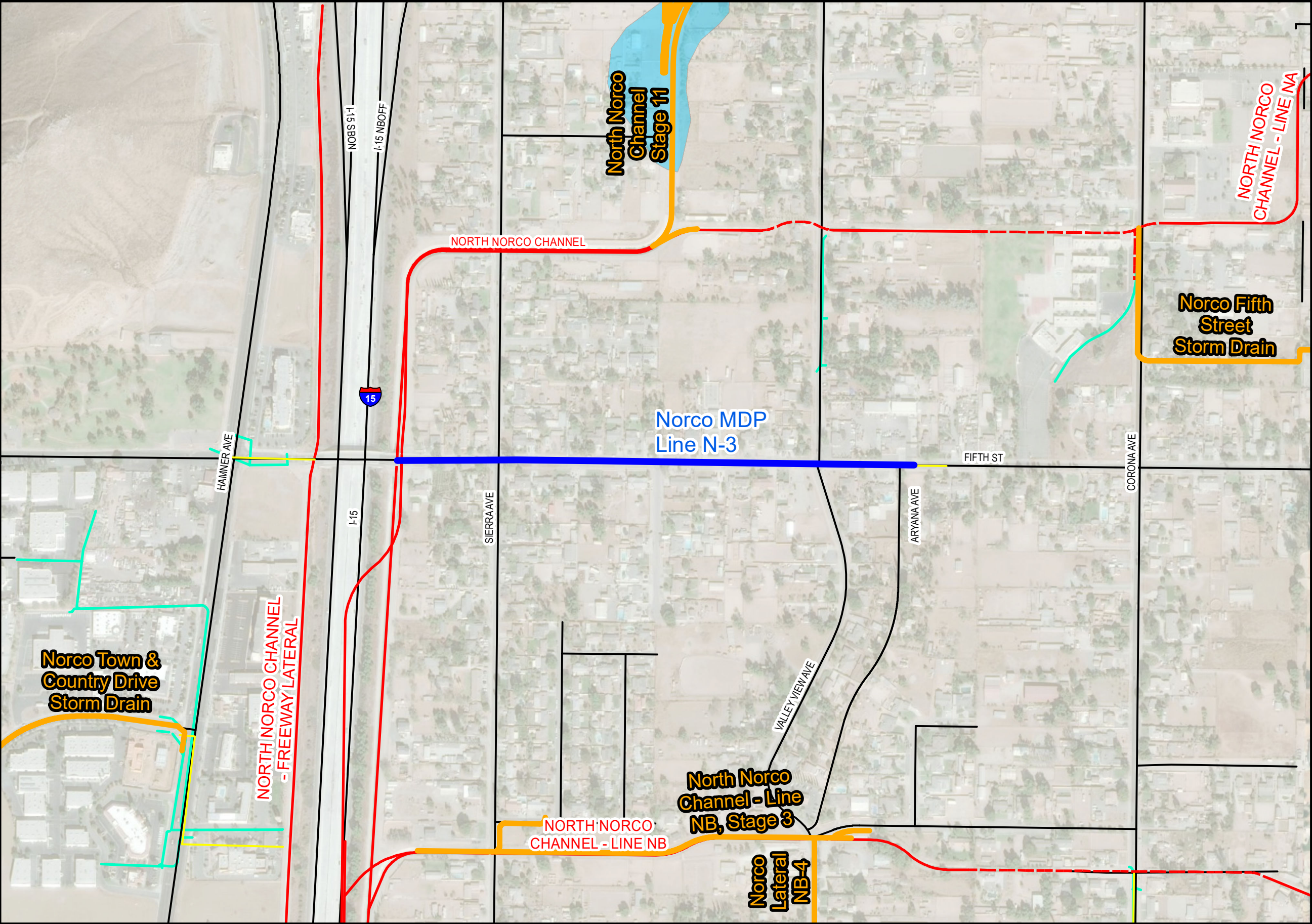


Description

This is a City of Eastvale-led project to conduct a feasibility study to identify and retrofit existing surface BMPs from private land to be repurposed for potential multi-use/public benefits for the City. Some of the potential solutions for these relocations are alternate/underground drainage detention, retention, infiltration, and water quality improvement facilities. The study will also evaluate ways to address the water quality issue of pollutants discharged to the Santa Ana River during the dry season.

- Legend**
- Eastvale Alternative Drainage and Water Quality Master Plan
 - Other Budgeted CIP Facilities
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Un-budgeted District Facilities
 - Existing Facilities Area
 - City Facilities
 - Natural Flowlines
 - City Boundary

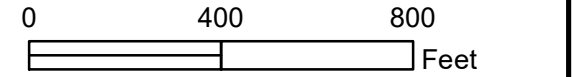


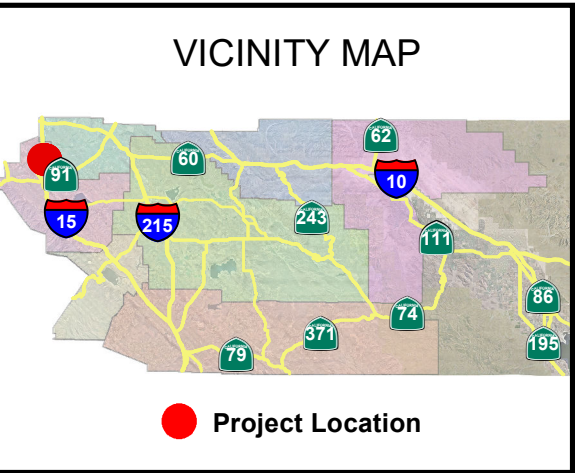
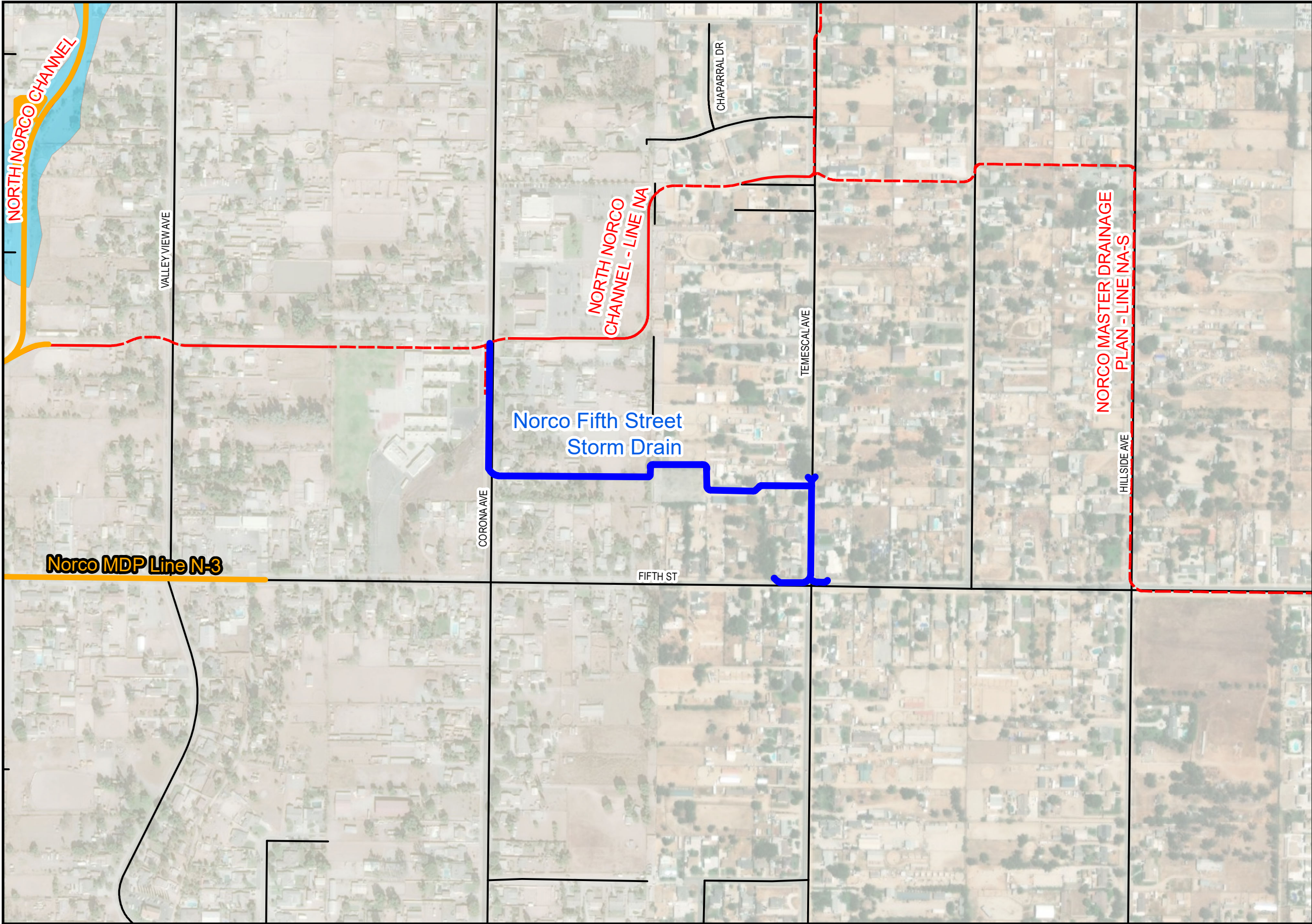


Description

The City of Norco-led project proposes approximately 2,100 feet of reinforced concrete pipe, ranging in pipe diameter from 36-inch to 66-inch. 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.

- 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

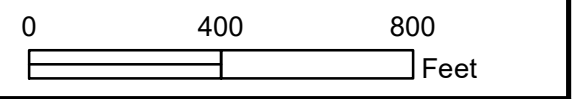


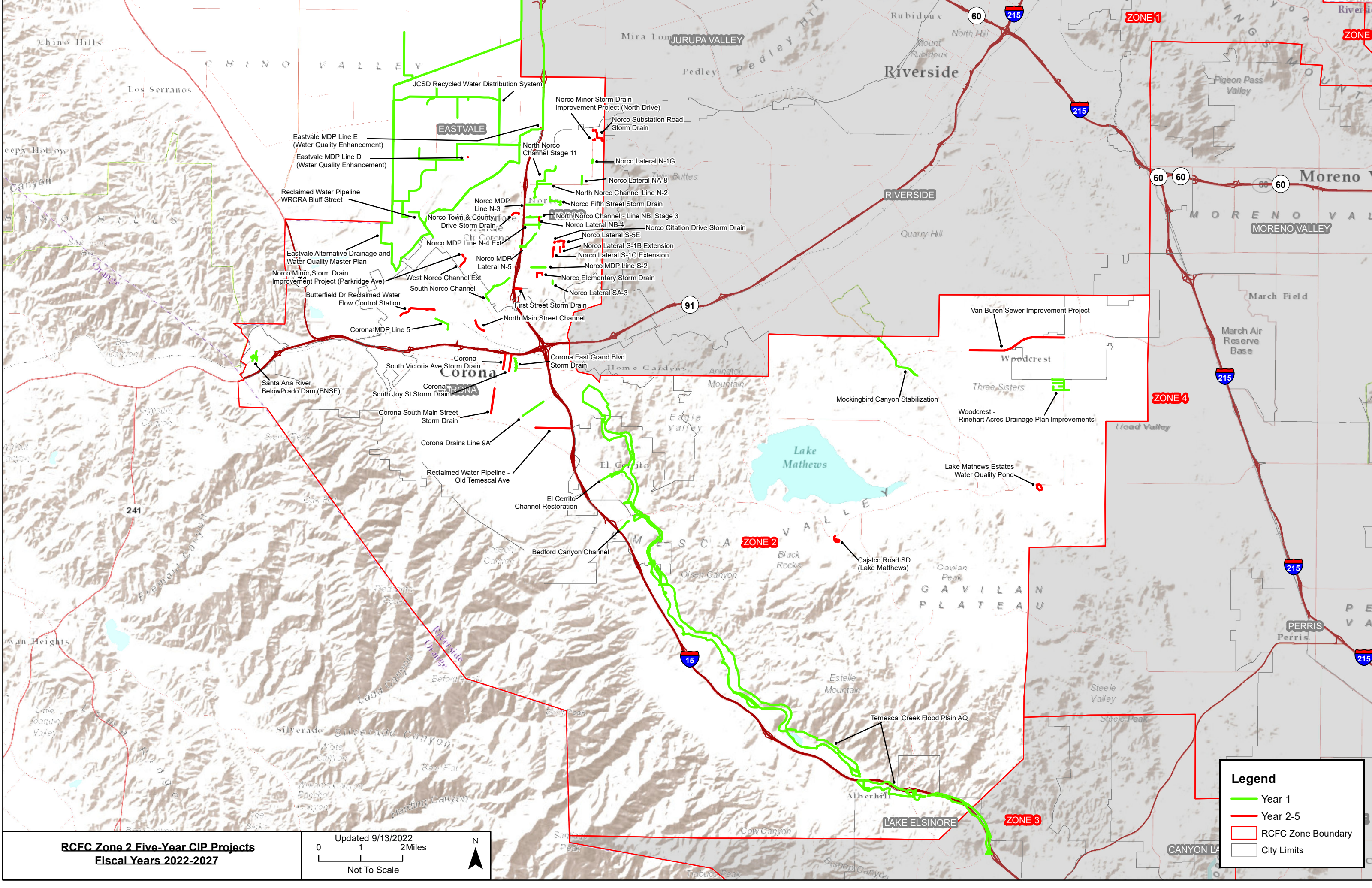


Description

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.

- ### Legend
- Norco Fifth Street Storm Drain
 - Existing Above Ground District Facilities
 - - - Existing Below Ground District Facilities
 - Other Budgeted CIP Facilities
 - FEMA Floodplain





Zone 2 Budget Hearing

December 8, 2022



For attendees joining via TEAMS:

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

Flood Control



Storm Drains, Channels, Levees, Dams

Shared Responsibility for Flood Protection



- Riverside County Flood
 - Dams, levees
 - Regional channels and storm drains

- Cities/County
 - Road culverts
 - Smaller storm drains ($\leq 36"$)
 - Catch basins (roadside inlets)

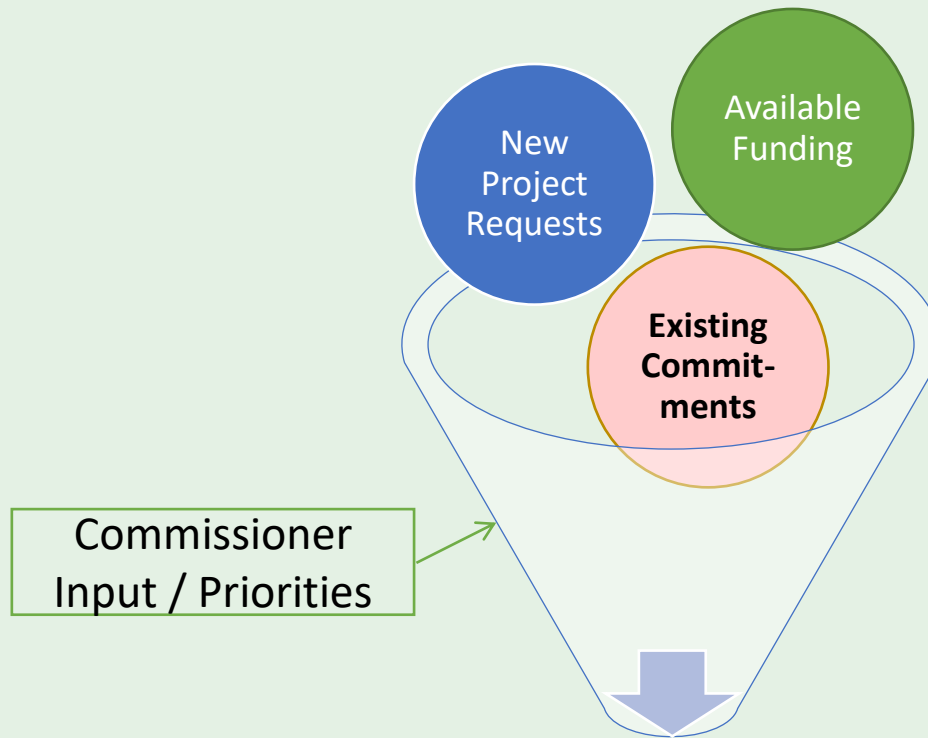
- Rural Property Owners/HOAs
 - Other drainage infrastructure
 - Natural washes



Hearing

New
Project
Requests

Hearing



District Staff Evaluate projects, costs, funding

Workshop





Available
Funding

Darrylenn Prudholme-Brockington

Chief of Finance

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 2021–2022

JULY 1, 2021 \$83,008,974

JUNE 30, 2022 \$91,587,214

Sources

(Where the money comes from)

TOTAL \$22,108,000

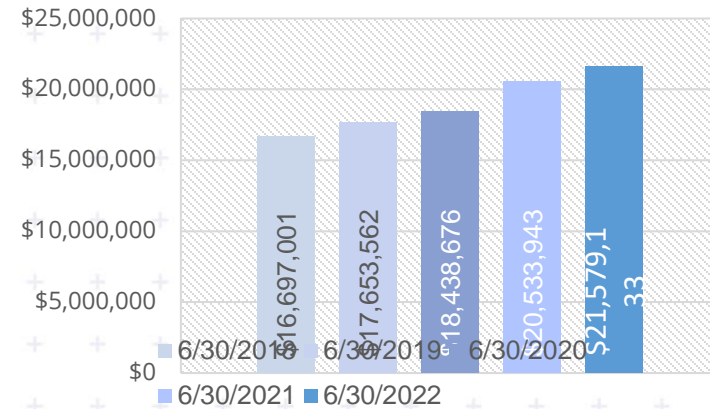


Other – 2%
\$529,000

Property Taxes – 98%
\$21,579,000

Property Taxes

(5 years revenue trend)



Expenditures

(Where the money is spent)

TOTAL \$13,530,000



Salaries & Benefits – 58%
\$7,866,000

Capital Assets – 4%
\$559,000

Other – 3%
\$337,000

Services & Supplies – 35%
\$4,768,000

Uses

(How the money is used)

TOTAL \$13,530,000



District Led Projects – 21%
\$2,839,000

Maintenance – 18%
\$2,491,000

Partner Led Projects – 4%
\$541,000

General Zone Work – 13%
\$1,716,000

Administration – 44%
\$5,943,000

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.

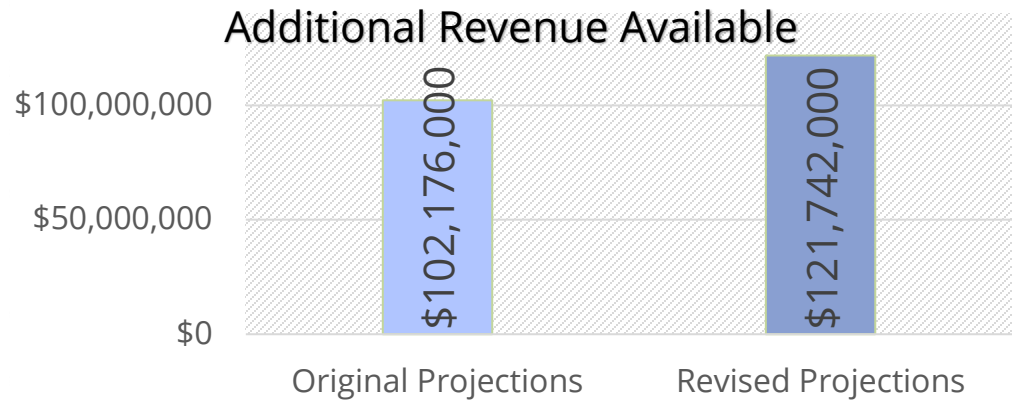
The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

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




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

Original Projections vs. Revised Projections



**Forecasting \$43,302,000 to be available for Cost Increases
on Existing Projects and New Requests**

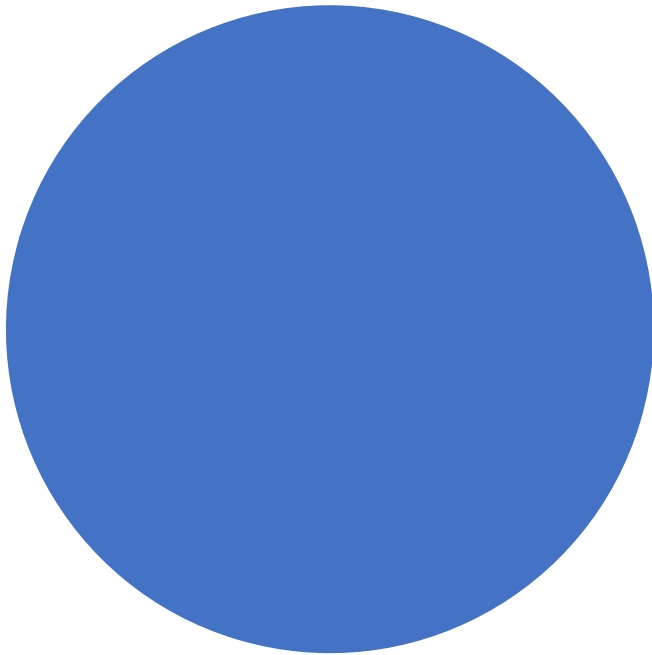


**Existing
Commitments**

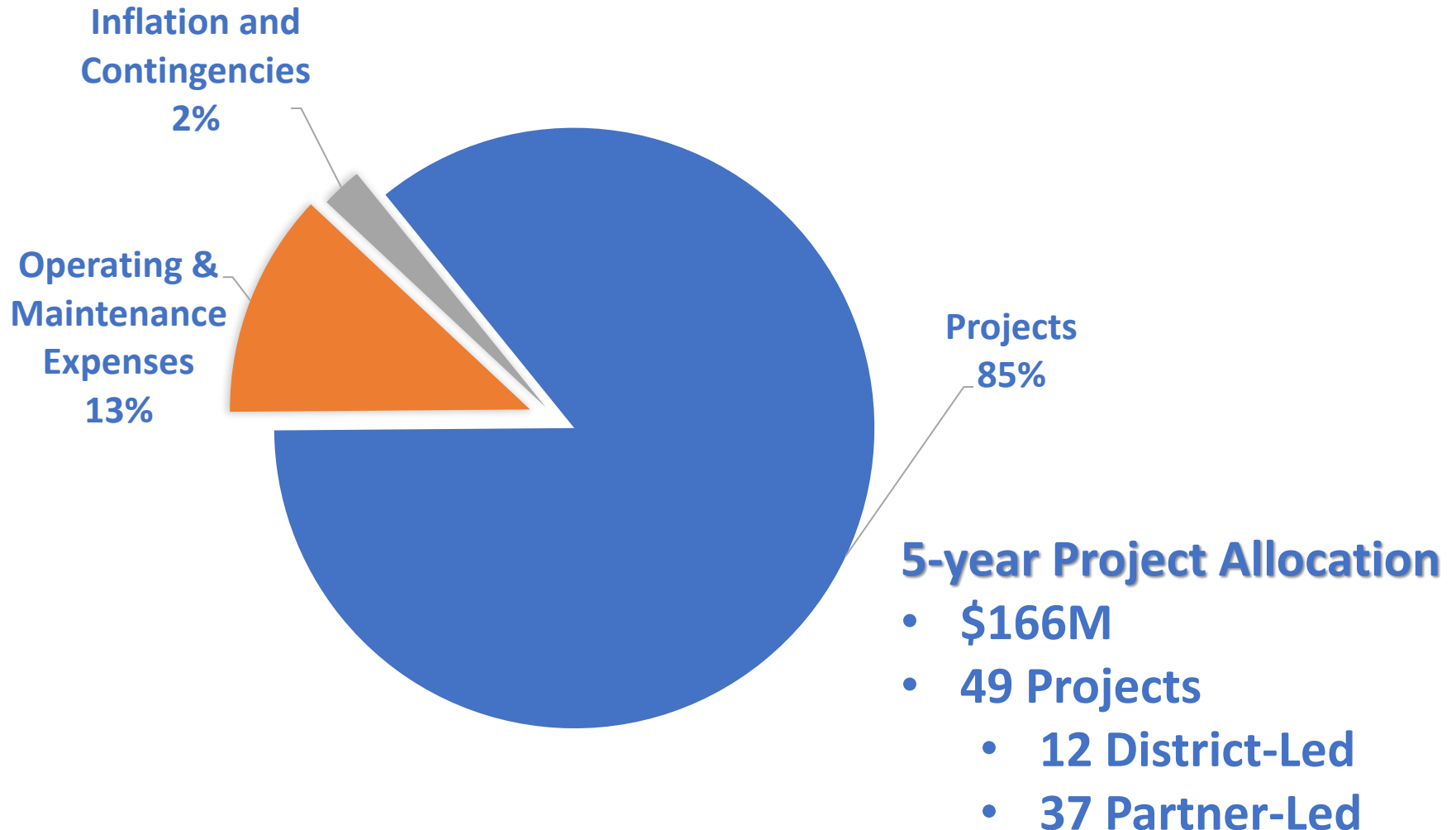


Komy Ghods
Chief of Design and Construction

Estimates from last February



5-Year Allocations per CIP



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DISTRICT LED PROJECT SUMMARY - ZONE 2
FISCAL YEARS 2022-23 THROUGH 2026-27

Project Number	Stg No.	Project Title	Project Cost	Appropriations		Funding Sources (5-Year Total)			Total Not District Funded
			Total Remaining Cost	FY 2022-23	FY 2023-27	Tax Revenue	ADP Contribution	External Contribution	
DESIGN AND CONSTRUCTION PROJECTS									
2-8-00110	90	EL CERRITO CHANNEL RESTORATION	\$2,469,112	\$2,469,112	\$0	\$2,469,112	\$0	\$0	\$0
2-8-00140	11	NORTH NORCO CHANNEL	11,252,825	11,061,628	191,197	11,042,825	0	210,000	0
2-8-00144	01	NORTH NORCO CHANNEL LINE N-2	3,388,021	517,673	2,870,348	3,388,021	0	0	0
2-8-00145	03	NORTH NORCO CHANNEL - LINE NB	1,715,252	1,715,252	0	1,665,252	0	50,000	0
2-8-00180	03	MOCKINGBIRD CYN STABILIZATION	28,214,833	1,668,486	26,546,347	27,075,791	1,139,042	0	0
2-8-00253	01	BEDFORD CANYON CHANNEL	11,839,868	625,466	11,214,402	11,089,868	0	750,000	0
2-8-00406	01	WOODCREST RINEHART ACRES DRAINAGE PLAN IMP	4,680,645	2,340,706	2,339,939	4,680,645	0	0	0
PLANNING PROJECTS									
2-6-10000	00	FLOOD CONTROL BASIN RETROFIT STUDY	350,000	0	350,000	350,000	0	0	0
2-8-00052	01	TEMESCAL CREEK FLOOD PLAIN AQ	20,000,000	1,200,000	4,000,000	5,200,000	0	0	(14,800,000)
2-8-09058	00	LAKE MATHEWS ESTATES WATER QUALITY POND	6,280,740	0	6,280,740	6,280,740	0	0	0
2-8-09065	00	CAJALCO ROAD SD (LAKE MATTHEWS)	2,657,850	0	2,657,850	2,657,850	0	0	0
DESIGN AND CONSTRUCTION PROJECTS			\$63,560,556	\$20,398,323	\$43,162,233	\$61,411,514	\$1,139,042	\$1,010,000	\$0
PLANNING PROJECTS			29,288,590	1,200,000	13,288,590	14,488,590	0	0	(14,800,000)
ZONE 2 DISTRICT LED PROJECTS TOTAL			\$92,849,146	\$21,598,323	\$56,450,823	\$75,900,104	\$1,139,042	\$1,010,000	(\$14,800,000)

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2022:

Zone 2 Fund	\$90,104,314
ADP Sub Fund	1,142,712
Total Fund Balance Forward	\$91,247,026

REVENUE:

Taxes	\$102,176,461
Interest	383,802
ADP Fees	1,500
Rental	1,500
Subtotal Revenue	102,563,263
External Contribution	1,010,000
Total Five Year Revenue	\$103,573,263
TOTAL FUNDS AVAILABLE	\$194,820,289

FIVE YEAR APPROPRIATIONS:

District Led Projects Appropriations	\$78,049,146
Partner Led Projects Appropriations	87,898,359
Misc Watershed Protection Projects	500,000
Capital Project Cost Inflation	2,275,203
Operating & Maintenance Expenses	23,479,910
Contingencies	1,994,657
ADP Refund - Lake Mathews ADP to MWD	5,000
Subtotal Appropriations	\$194,202,275

ENDING FUND BALANCE - JUNE 30, 2027:

Zone 2 Fund	\$617,844
ADP Sub Fund	170
Total Ending Fund Balance	\$618,014

Existing Commitments

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PARTNER LED PROJECT SUMMARY - ZONE 2
FISCAL YEARS 2022-23 THROUGH 2026-27

Project Number	Stg No.	Project Title	Project Cost Total Remaining Cost	Project Appropriation				Funding Sources		Total Not District Funded
				FY 2022-23		FY 2023-27		5-year total		
				District Direct Cost	Contribution to Partner Agency	District Direct Cost	Contribution to Partner Agency	Tax Revenue	ADP Contribution	
PARTNER LED CONTRIBUTION PROJECTS										
2-6-10005	50	RECLAIMED WATER PIPELINE - WRCRWA BLUFF ST	\$4,527,364	\$118,219	\$1,500,000	\$0	\$2,431,781	\$4,050,000	\$0	(\$477,364)
2-6-10018	50	JCSD RECYCLED WATER DISTRIBUTION SYSTEM	31,700,000	0	1,500,000	0	14,350,000	15,850,000	0	(15,850,000)
2-6-10027	00	NORCO MDP LINE N-4 EXTENSION	873,400	0	70,000	23,400	780,000	873,400	0	0
2-6-10032	00	CORONA - EAST GRAND BLVD STORM DRAIN	1,931,000	10,000	170,000	51,000	1,700,000	1,931,000	0	0
2-6-10034	00	NORCO LATERAL N-1G	308,100	0	15,000	8,100	285,000	308,100	0	0
2-6-10035	00	NORCO LATERAL NA-8	514,100	0	15,000	14,100	485,000	514,100	0	0
2-6-10036	00	NORCO LATERAL SA-3	308,250	0	12,500	8,250	287,500	308,250	0	0
2-6-10037	00	NORCO MDP LATERAL N-5	961,738	25,010	0	0	833,676	858,686	0	(103,052)
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	150,000	0	150,000	0	0	150,000	0	0
2-6-10003	50	RECLAIMED WATER PIPELINE - OLD TEMESCAL ROAD	500,000	0	0	0	250,000	250,000	0	(250,000)
2-6-10029	50	BUTTERFIELD DR RECL WATER FLOW CONTR STATION	2,593,648	0	0	68,100	2,270,000	2,338,100	0	(255,548)
2-6-10031	00	CORONA - SOUTH JOY ST STORM DRAIN	1,395,696	0	0	39,000	1,300,000	1,339,000	0	(56,696)
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
2-6-10038	00	NORCO SUBSTATION ROAD STORM DRAIN	1,227,000	0	0	27,000	1,200,000	1,227,000	0	0
2-6-10041	00	NORCO LATERAL NB-4	308,250	0	0	8,250	300,000	308,250	0	0
2-6-10042	00	VAN BUREN SEWER IMPROVEMENT PROJECT	13,600,000	0	0	0	6,256,000	6,256,000	0	(7,344,000)
2-6-10043	00	NORCO TOWN & COUNTRY DRIVE STORM DRAIN	650,000	0	0	0	650,000	650,000	0	0
2-6-10044	00	NORCO MINOR SD IMPR PARKRIDGE AVE & NORTH DR	250,000	0	0	0	250,000	250,000	0	0
PARTNER LED CAPITAL IMPROVEMENT PROJECTS										
2-8-00086	01	NORCO MDP LINE N-3, STAGE 1	1,744,505	26,802	1,624,865	0	92,838	1,744,505	0	0
2-8-00087	01	NORCO - FIFTH STREET STORM DRAIN	1,431,746	0	187,634	36,236	1,207,876	1,431,746	0	0
2-8-00105	00	SANTA ANA RIVER - BELOW PRADO	11,765,766	1,465,766	0	0	10,300,000	11,765,766	0	0
2-8-00150	02	SOUTH NORCO CHANNEL STAGE 2	11,727,011	1,151,334	1,050,000	28,693	9,444,125	11,674,152	0	(52,859)
2-8-00164	01	NORCO MDP LINE S-2	890,541	33,503	857,038	0	0	890,541	0	0
2-8-00235	01	CORONA DRAINS LINE 9A	3,825,694	0	300,000	115,694	3,410,000	3,825,694	0	0
2-8-00060	02	NORTH MAIN STREET CHANNEL	3,793,022	0	0	251,931	3,541,091	3,793,022	0	0
2-8-00208	01	CORONA-SOUTH VICTORIA AVE STORM DRAIN	1,504,648	0	0	84,648	1,420,000	1,504,648	0	0
2-8-00280	01	CORONA MDP LINE 5 STAGE 1	3,752,848	0	0	242,848	3,510,000	3,752,848	0	0
2-8-00304	60	EASTVALE MDP LINE D (WTR QUALITY ENHNCMNT)	1,064,756	0	0	232,915	831,841	1,064,756	0	0
2-8-00310	60	EASTVALE MDP LINE E (WTR QUALITY ENHNCMNT)	523,795	0	0	114,580	409,215	523,795	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
2-8-09104	00	WEST NORCO CHANNEL EXT	1,600,000	0	0	0	1,600,000	1,600,000	0	0
PARTNER LED CONTRIBUION PROJECTS			\$66,213,546	\$153,229	\$3,682,500	\$352,200	\$37,688,957	\$41,876,886	\$0	(\$24,336,660)
PARTNER LED CAPITAL IMPROVEMENT PROJECTS			46,074,332	2,677,405	4,019,537	1,107,545	38,216,986	46,021,473	0	(52,859)
ZONE 2 PARTNER LED PROJECTS TOTAL			\$112,287,878	\$2,830,634	\$7,702,037	\$1,459,745	\$75,905,943	\$87,898,359	\$0	(\$24,389,519)

Existing Commitments

Zone 2
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
September 2022

Completed Projects

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 District is currently working with the City on the draft of the cooperative funding agreement. The City plans to install the devices this Fiscal Year 22-23.

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

These City of Norco-led and District funded projects are 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 facility has been constructed and accepted by the City of Norco.

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 facility has been constructed and accepted by the City of Norco.

Active District-Led Projects

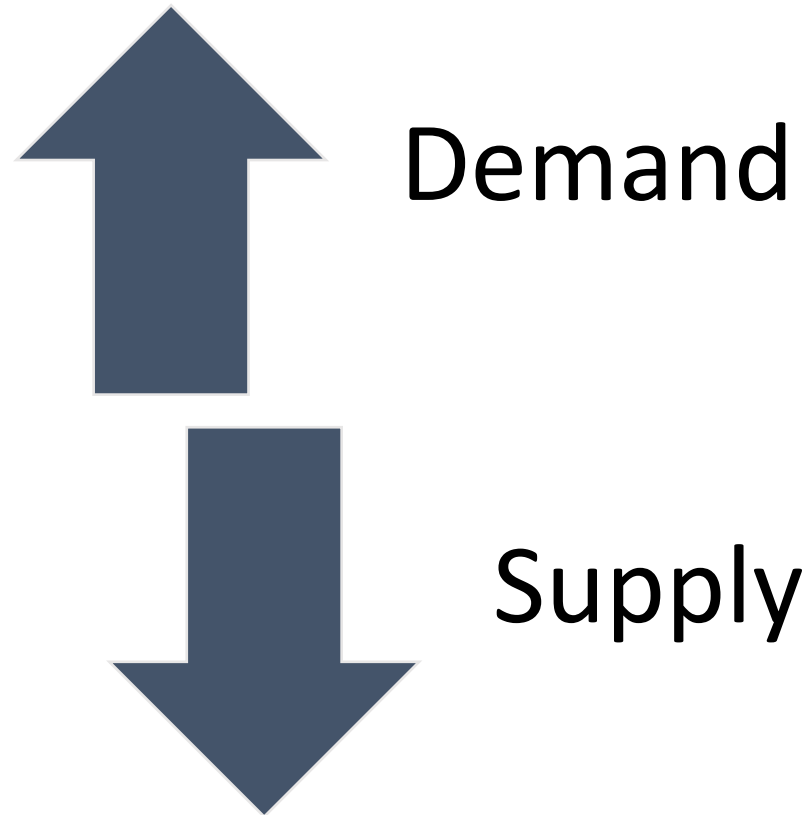
El Cerrito Channel Restoration (2-8-00110-90)

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 is finalizing 100% design plans and anticipates advertising the project for construction in the fall of 2022.

The background is a blurred image of a financial chart, likely a candlestick or line chart, with a pen pointing to a specific data point. The chart is on a piece of paper, and the pen is a silver ballpoint pen. The overall tone is blue and professional.

Recent Activity and Trends

Recent Trends



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

Construction Projects

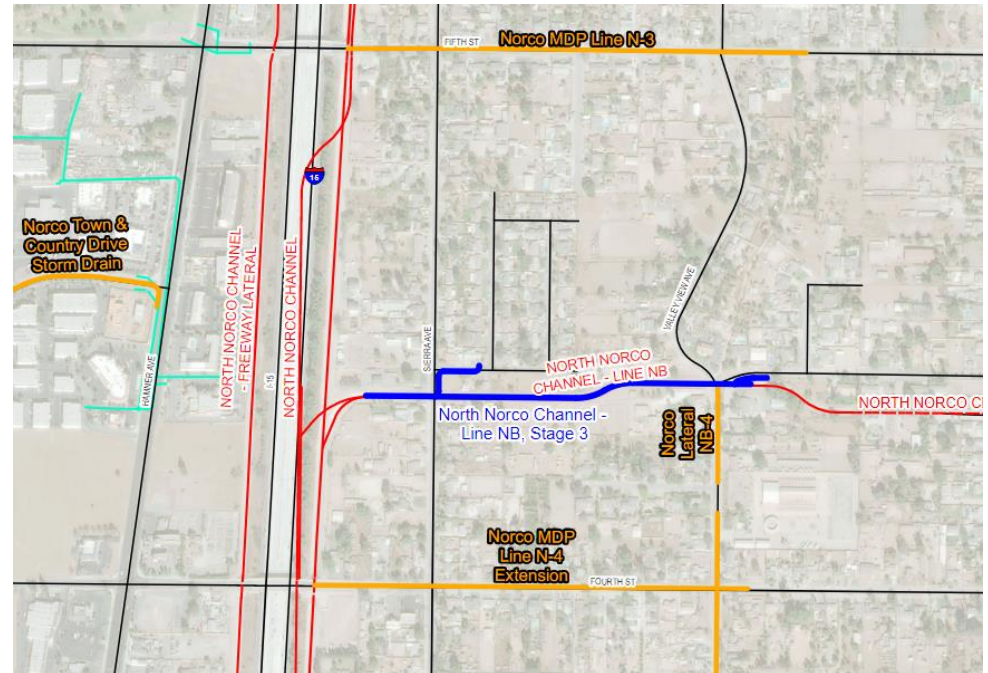
Active and Pending

North Norco Channel Line NB, Stage 3

Construction Cost
\$2.5M

NTP Oct 2022

- Provides 100 YR floodplain protection for Residents
- Incorporates permeable paver channel invert
- About 5% complete

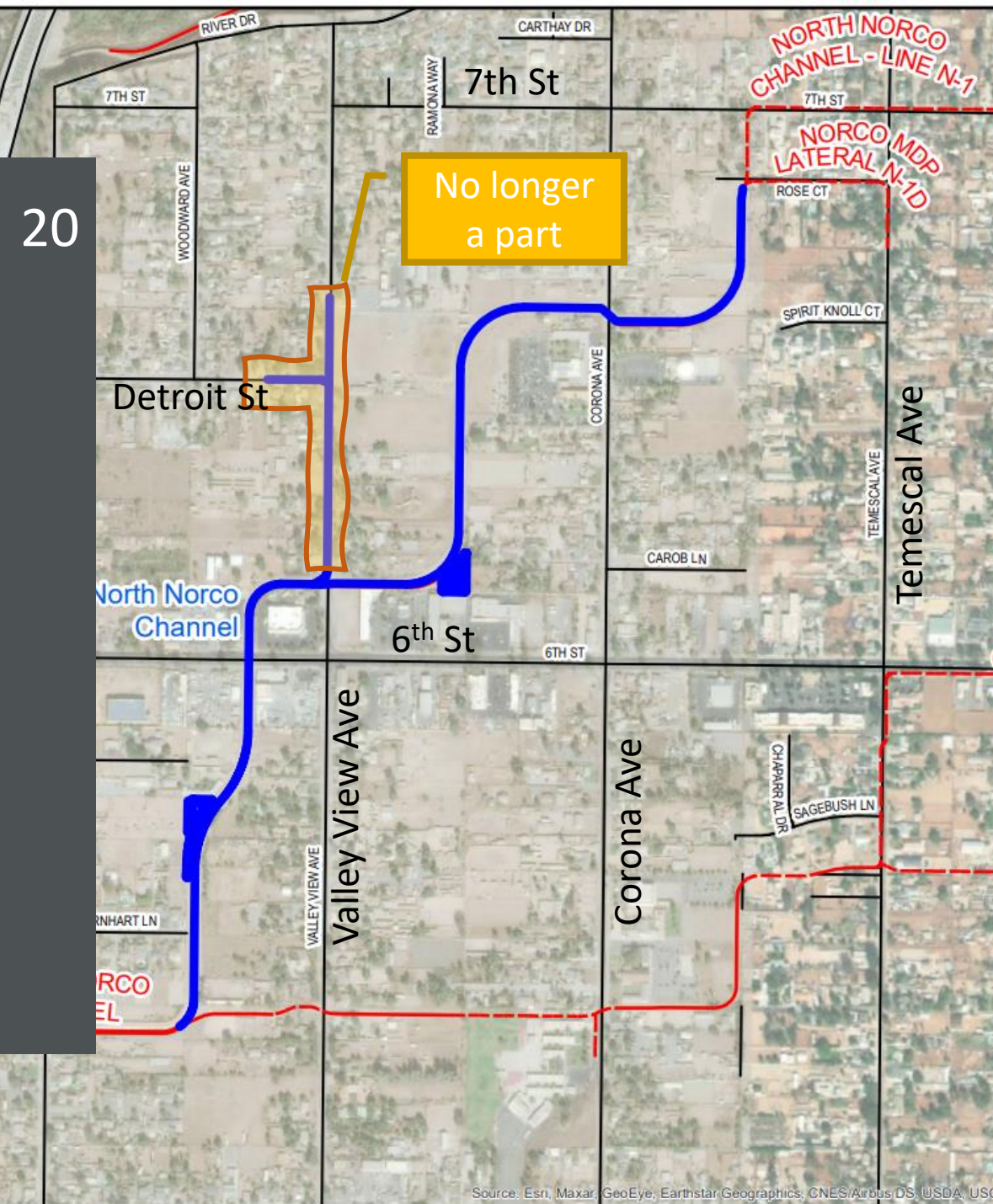




Active Design Projects

District-Led

20



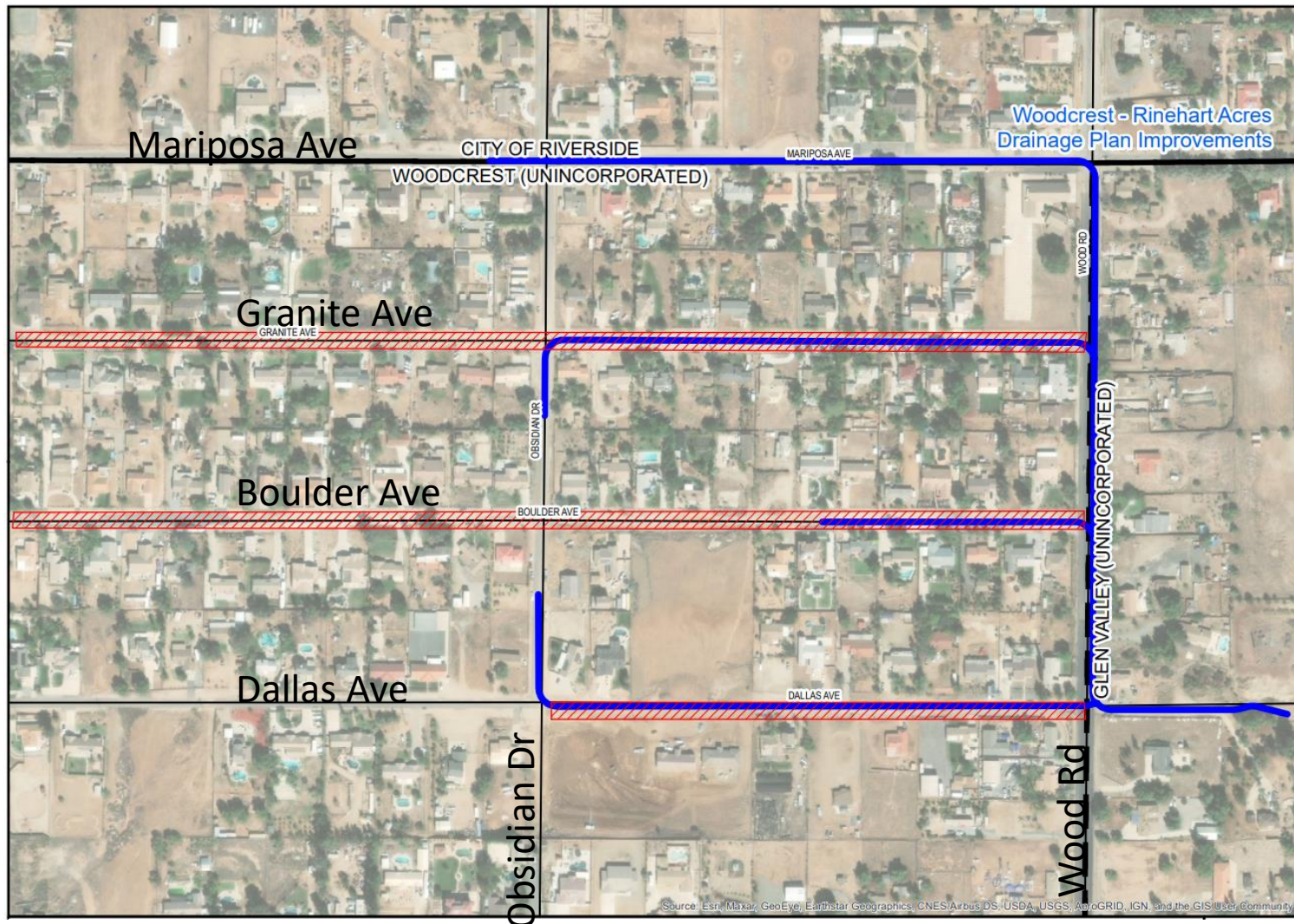
North Norco Channel Stg 11

- \$13.4M Estimated Cost
- Reduces FEMA floodplain
- Construction Spring 2023

El Cerrito Channel



Woodcrest Rinehart Acres Drainage Plan



Bedford Canyon Channel Stabilization


- \$12M (estimated)
- Consultant Q3 on board
- Alternatives Analysis underway





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

Mockingbird Canyon Stabilization



**Existing
Commitments**



Partner Projects



Deborah de Chambeau
Chief of Planning

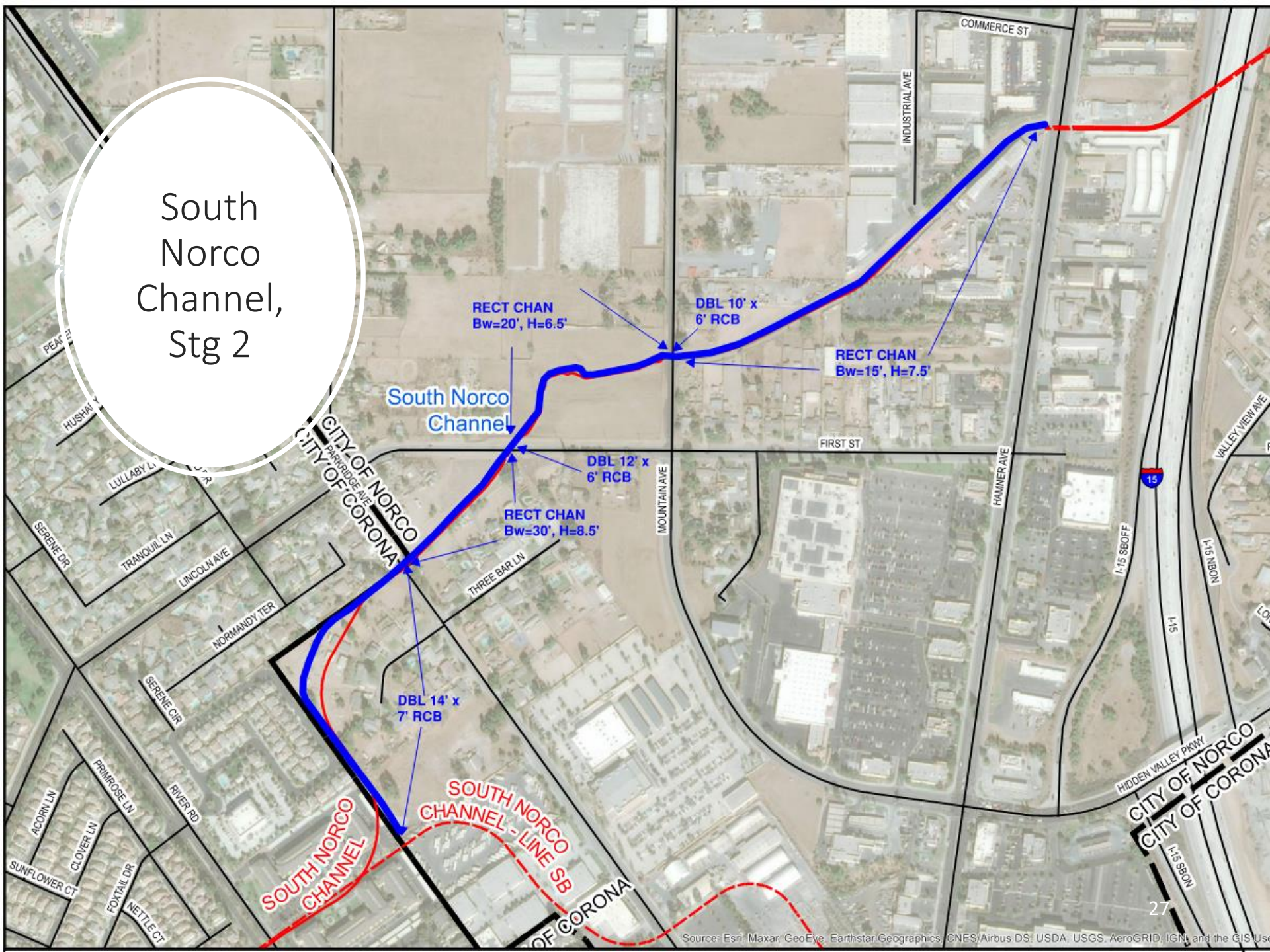


Partner Projects



- \$88M Total Existing Allocation
 - 18 Capital Projects
 - 19 Funding Projects
(Watercon, Small Storm Drain)

South Norco Channel, Stg 2



28

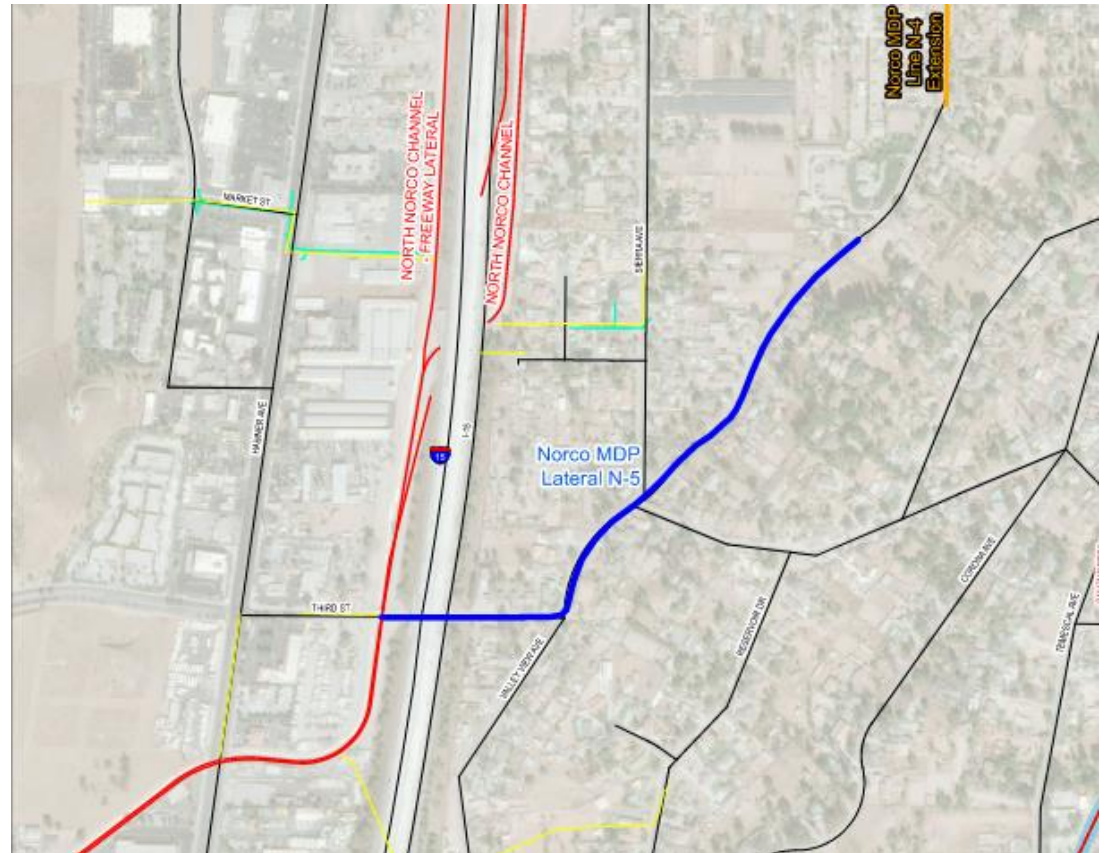
Reclaimed Water Pipeline
- WRCRWA Bluff St

Reclaimed
Water Line
WRCRWA
Bluff
Street

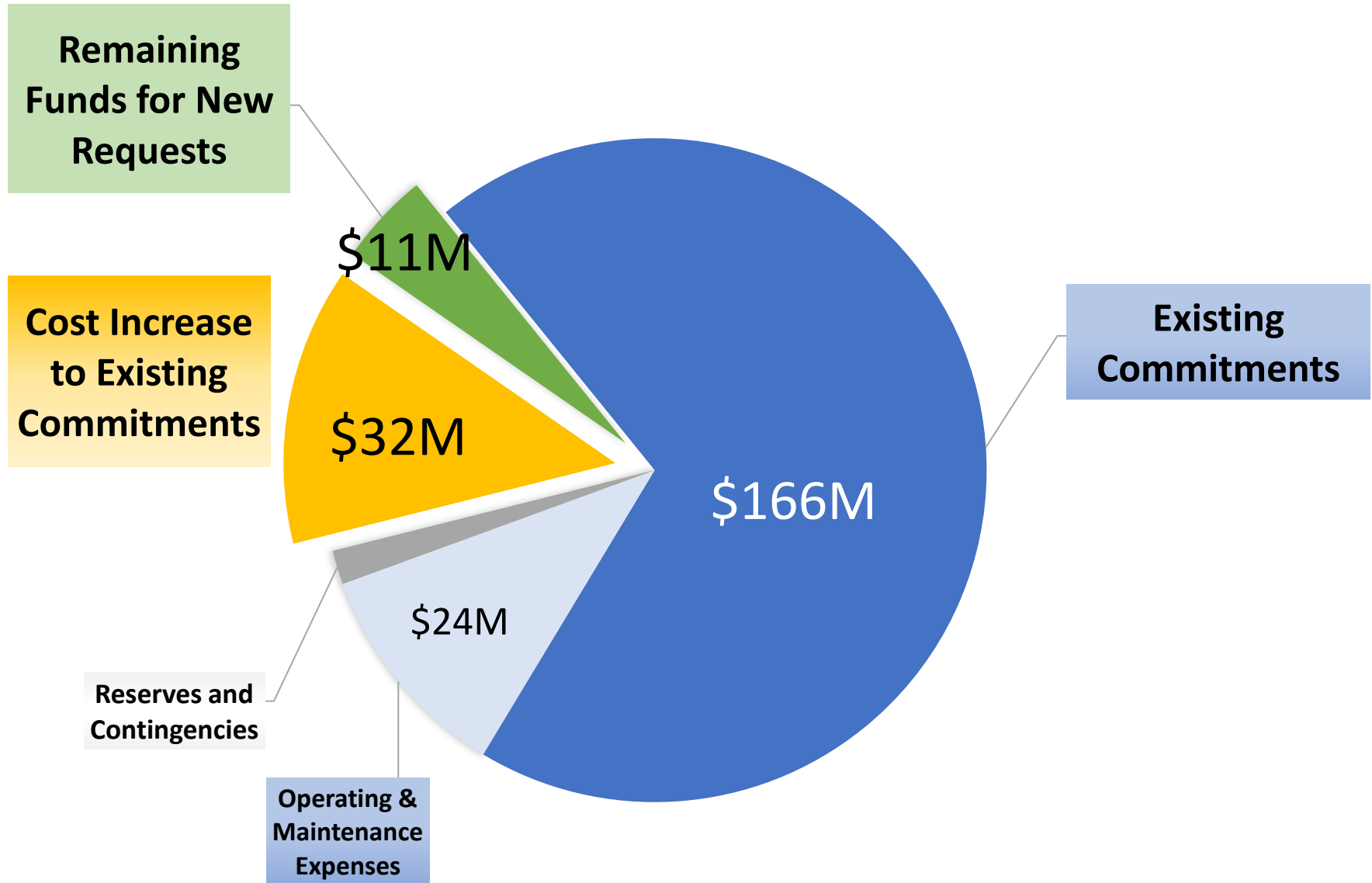


Norco MDP Lateral N-5

- City of Norco-led project
- 3,100 LF of underground storm drain
- Along Valley View Avenue and Third Street



New CIP Development





New Project
Requests

New Funding Requests Received to Date

Corona (\$8M)

- Rincon Street Storm Drain(\$4.2M)
- Corona Storm Drain Catch Basin Filters (\$2M)
- 4 existing projects
- 6 existing project with changes (+\$1.8M)

Eastvale (\$1.1M)

- 1.Rondo Elementary Permeable Parking Lot (\$530K)
- 2.Citrus Property Feasibility Study & Permitting (\$300K)
- 3.Citrus Property Community Permeable Pavement (\$250K)

Norco (\$XXK)

- 18 Existing Projects with Changes (+\$6.1M)

Jurupa Community Service District (\$350K)

- Irrigation Control Systems within Parks & Facilities (\$350K)

Total +\$15.5M



New Project
Requests



Public Input



VICINITY MAP



Description

This is a District-led project to reduce street and community flooding near Cajalco Road in the Lake Matthews area. The project consists of an upstream sediment basin as part of the Metropolitan Water District Lake Matthews Water Quality Master Plan and 615 feet of 72-inch diameter reinforced concrete pipe conveying water from the basin at the southern border of the Whaley property, to the north across Cajalco Road and discharging to the natural waterway.

Legend

- Cajalco Road SD (Lake Matthews)
- Un-budgeted District Facilities
- City Facilities
- Natural Flowlines
- Flood Hazard Area

0 400 800
Feet



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Cajalco Road SD (Lake Matthews)
 Supervisorial District 1

Project No.	2-8-09065
Engineer	O. Pearson
Date Created	6/29/2022

