

JASON E. UHLEY  
General Manager-Chief Engineer



1995 MARKET STREET  
RIVERSIDE, CA 92501  
951.955.1200  
951.788.9965 FAX  
[www.rcflood.org](http://www.rcflood.org)

RIVERSIDE COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT

**AGENDA**

Commissioners of Zone 4 of the Riverside County Flood Control and Water Conservation District will hold a Public Capital Improvement Plan (CIP) Budget Hearing at 11:00 a.m. on Thursday, December 12, 2024 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 CIP budget for Fiscal Year 2025-2026.

1. Chief Engineer's Report of Zone Activities.
2. Receive requests from interested parties for projects for Fiscal Year 2025-2026.
3. Oral communication from the audience.

**The Public CIP Budget Work Session set for 11:00 a.m. on Tuesday, February 11, 2025 at the Riverside County Flood Control and Water Conservation District office, 1995 Market Street, Riverside. The purpose of the meeting is to present the draft CIP budget for Fiscal Year 2025-2026 for consideration by our Zone Commissioners.**

**Zone 4**  
**Report to the Zone Commissioners**  
 By Jason E. Uhley, General Manager-Chief Engineer  
 November 2024

The District maintains a 5-year Capital Improvement Plan (CIP) which identifies projects that the District intends to fund over a 5-year period. Information on our overall CIP can be viewed at <https://rcflood.org/cip>.

This report has been prepared by District staff to provide a status update on CIP projects that are either completed or otherwise expected to be active during the current fiscal year.

## Completed Projects

These projects were recently completed and will not show on future updates to our 5-year CIP.

### Moreno MDP Line K-1, Stage 2 (4-8-00766-02)

This City of Moreno Valley-led project consisted of an underground facility that will reduce flooding along Ironwood Street to the west of Pettit Street. The 1,600 feet of storm drain collects runoff arriving from north of Ironwood Avenue and conveys it west within Ironwood Avenue where it will discharge into the District's existing Line K floodplain between Moreno Beach Drive and Oliver Street. The District will be responsible for operation and maintenance of the facility. This project is funded by the fees collected from the Moreno Area Drainage Plan and a City of Moreno Valley acquired Federal Emergency Management Agency grant.

The construction completed was in May 2024, and the District is in the process of accepting the facility for operation and maintenance.

### Moreno MDP Sinclair Basin, Land Acquisition (4-8-00770-01)

The District's Moreno Master Drainage Plan (MDP) relies on the construction of a large detention basin 'Sinclair Basin' north of CA-60 and east of Redlands Boulevard.

This project was solely for the acquisition of four parcels where the basin will be constructed in the future. The acquisition of these parcels has been completed. In future years, the District can consider funding to pursue design and construction of the basin based on priorities within the zone and available funding.

## Current Construction

These projects are under construction as of the preparation of this report.

### Sunnymead MDP Line B-16A, Stage 2 (4-8-00614-02)

This is a City of Moreno Valley-led project to reduce flooding problems along Kitching Street and the surrounding community. Line B-16A will collect the 10-year runoff from Kalmia Street and convey it approximately 3,100 feet south within Kitching Street in an underground storm drain (24 inches to 36 inches) and will discharge into the existing District Sunnymead B-16A, Stage 1 storm drain located north of Ironwood Avenue. Implementation of the project may also reduce erosion and sediment accumulation along Kitching Street. The City of Moreno Valley will be responsible for operation and maintenance of the facility. This project is funded by the District.

The project design is complete, and the construction is estimated to start in fall 2024.

## Active District-Led Projects

This section provides a status update on CIP projects actively worked on by the District during the current fiscal year.



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### **Perris Valley Channel Lateral B, Stage 4 (4-8-00009-04)**

This is a District-led proposed storm drain improvement project of approximately 6,000 feet of reinforced concrete box that will reduce flooding to the March Air Reserve Base (MARB) and enable future storm drain extensions and flood protection to adjacent properties west of the base. The project will collect 100-year runoff from the existing Perris Valley Channel Lateral B, Stage 5 storm drain and convey the water south to the existing Perris Valley Channel Lateral B, Stage 2 at Heacock Street. The District will be responsible for operation and maintenance of the facility once constructed. This project is funded as a cost share between the District, an external contribution from March Joint Powers Authority and a developer.

The 100% plans are complete with specifications and environmental permitting documents to be completed by fall of 2024. The required land easements and environmental clearances are being processed by MARB. Once clearance from MARB is provided to the District, the project will be ready to advertise for construction.

### **Hemet – South Dartmouth Street Storm Drain, Stage 1 (4-8-00219-01)**

This is a District-led project to construct approximately 370 feet of 42-inch diameter underground storm drain within Dartmouth Street south of Stetson Avenue and construct more catch basins to help alleviate flooding for about four parcels on the west side of Dartmouth Street. The District will be responsible for operation and maintenance of the facility. This project is funded by the District.

The District is preparing the Project Charter, which will identify the project objectives and scope.

### **Little Lake MDP Line B, Stage 2 (4-8-00265-02)**

This District-led storm drain project will install approximately 4,000 feet of underground storm drain along Meridian Street between Florida Avenue/Highway 74 and Whittier Avenue connecting to the existing Stage 1 facility at Florida Avenue/Highway 74. This project will complete the backbone of the Line B system that will enable the future construction of additional master-planned storm drains that will extend easterly along Acacia Avenue, Mayberry Avenue and Whittier Avenue. This project will reduce flooding to properties along and west of Meridian Street, however, when combined with those future storm drains, the overall system will provide full 100-year flood protection to the community. The District will be responsible for operation and maintenance of the facility. This project is funded by the District.

The District is currently working on preparing the 90% design plan set and the Stormwater Pollution Prevention Plan. Cooperative agreements have been requested and are in progress. Utility coordination is ongoing; Lake Hemet Municipal Water District is moving forward with design and specifications for relocation of a water line that conflicts with the project alignment.

### **Lakeview/Nuevo MDP Lateral A, Stage 1 and Lateral B, Stage 1 (4-8-00322-01 and 4-8-00327-01) *(formerly known as Lakeview/Nuevo MDP Lateral A Restoration)***

This is a District-led project that will address flooding in the unincorporated community of Nuevo along an existing earthen channel between 11<sup>th</sup> and 12<sup>th</sup> Streets. The proposed project will collect flows upstream of 11<sup>th</sup> Street and convey them northwesterly 1,300 feet through a paved channel and tie into an existing box culvert at 12<sup>th</sup> Street. This project may also include Best Management Practices implemented just upstream of 11<sup>th</sup> Street to reduce erosion and sediment flowing into the channel during small storm events. The District will be responsible for operation and maintenance of the facility. This project is funded by the District.

The District has finalized the Project Charter, which memorializes the project objectives and scope.

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Topographic mapping is being acquired, and an initial investigation into potential environmental permits has begun. The District has also developed the project's Request for Qualification to facilitate the hiring of a consultant to prepare the construction drawings for the project.

**Lakeview/Nuevo MDP Laterals D and E, Stage 1 (4-8-00331-01)**

This District-led project will eliminate the existing Federal Emergency Management Agency (FEMA) Zone AO floodplain downstream of the existing Lakeview Dam by collecting flows from the dam's low-level outlet pipe and conveying the flows in approximately 1.75 miles of underground storm drain westerly along Water Avenue to the existing Nuevo Channel at Yucca Avenue and 11<sup>th</sup> Street. The project will also reduce flooding along Water Avenue by including a detention basin south of Water Avenue to capture and detain runoff, and will include Lateral E along Bell Avenue, which will reduce flooding along that street and to the community west of Bell Avenue. The District will be responsible for operation and maintenance of the storm drain and basin improvements. This project is funded as a cost share between the District Zone revenues and fees collected from the Lakeview-Nuevo Area Drainage Plan.

The District has completed preliminary design and is performing community outreach to address right of way needs.

**Menifee Valley - Azusa Channel (4-8-00366-00) (*formerly known as Azusa Channel 4-8-09117-00*)**

This is a District-led project to the east side of Mt. San Jacinto College - Menifee Valley campus to reduce street and community flooding. This project will collect flows from Menifee Drainage Channel and Tract 36852 channel into a proposed large inlet structure. Flows will be conveyed north in the proposed 1,400 feet of open channel then discharge into the existing City of Menifee owned La Piedra Road Culvert, which outlets to Menifee Lakes. 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 Mt. San Jacinto Community College District.

The Project Charter and alternative analysis for the project are currently being developed.

**Good Hope - Olive Avenue Storm Drain, Stage 1 (4-8-00425-01)**

This is a District-led project that will provide 100-year flood protection to the properties in the Good Hope area between Mountain Avenue and Eucalyptus Avenue east of Read Street and west of Theda Street. The project will construct over two miles of storm drain and a regional detention basin that will collect storm flows at the upstream end along Read Street and Quail Drive, convey flows to the detention basin at Spring Street then continue downstream to the existing culvert crossing on Highway 74 just east of Theda Street. The District and Riverside County Transportation Department will share operation and maintenance responsibilities based on storm drain sizing. This project is funded as a cost share between the District and an external contribution from Riverside County Transportation Department for paving.

The design is currently in its 60% phase.

**Romoland MDP Line A-3, Stage 4 and Stage 5 (4-8-00431-04 and 4-8-00431-05)**

This District-led project will complete the Line A-3 storm drain system along Varela Lane east from Palomar Road to Malone Avenue. The project will collect runoff generated north of Varela Lane and convey it west along Varela Lane in an open channel from Malone Avenue to Menifee Road. Runoff is then conveyed in an underground storm drain across Menifee Road to the connection with Stage 3 on Palomar Road. This project also includes Laterals A-3a and A-3d on Menifee Road and Malone Avenue. The total length of this project is approximately 10,220 feet of underground reinforced concrete box/pipe

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and open channel. Once this project is complete, the system will help protect properties located along Varela Lane and east of Palomar Road. The District will be responsible for operation and maintenance of the facility. This project is funded by the District and fees collected from the Homeland/Romoland Line A Area Drainage Plan.

The District is currently developing 100% design plans and specifications, coordinating with the City of Menifee and utility agencies, and finalizing regulatory and environmental compliance and right of way acquisitions. The project is expected to be advertised this fiscal year.

#### **Mead Valley MDP Lateral A2 (4-8-09118-00)**

This District-led project is a feasibility/scoping study for a potential underground storm drain that would reduce flooding on Short Ridge Street west of the intersection of Clark Street and Dawes Street located in Mead Valley (unincorporated Riverside County). The proposed storm drain would collect runoff from the existing Mead Valley-Dawes Street Storm Drain (DWG 4-0805) and convey flows into the District's proposed Mead Valley MDP Line A system near Haines Street and Johnson Street. Exact alignment, type and facility size is still to be determined. Design of this project can be pursued after the design of Mead Valley MDP Line A is finalized.

### **Active Partner-Led Projects**

This section provides a status update on CIP projects actively worked on by partner agencies in the current fiscal year.

#### **Parkside Minor Drainage Improvement (4-6-10001-00)**

This is a City of San Jacinto (City)-led project to provide flood protection to properties and streets along Sanderson Avenue. The project consists of an upgraded pump and force main extending approximately 800 feet from the Park Side Basin and a force main to an existing concrete channel at the intersection of Sanderson Avenue and Cottonwood Avenue. The City will be responsible for operation and maintenance of the facility. This project is funded by the District.

Construction is anticipated to begin summer 2025.

#### **Sanderson Culvert Repair (4-6-10002-00)**

This is a City of San Jacinto (City)-led project to replace a damaged culvert crossing at Sanderson Avenue. The project proposes to construct a transition structure and two 36-inch culvert pipes under Sanderson Avenue. The project stems from the failure of the underground pipe connection, subsequent erosion of subgrade and the development of a sinkhole. The City has implemented a temporary fix to the sinkhole as an interim solution. The project will alleviate flooding issues along the street. The City will be responsible for operation and maintenance of the facility. This project is funded by the District.

The City plans to advertise with the existing District approved San Jacinto MDP Line E-2 (4-8-00251-01).

#### **Romoland MDP Lateral A-8a (4-6-10004-00)**

This is a City of Menifee (City)-led project to provide flood protection to the local streets surrounding a water quality basin along McLaughlin Road near the intersection with Evans Road. The project consists of approximately 615 feet of reinforced concrete box along McLaughlin Road to serve as an outlet from the existing basin to discharge into the existing Romoland MDP Line A-8 system along Evans Road. The City will be responsible for operation and maintenance of the facility. This project is funded by the District.

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The project design is anticipated to begin in February 2025.

**San Jacinto MDP Line J, Stage 2 (4-8-00038-02)**

This City of San Jacinto (City)-led project provides flood protection and consists of approximately 5,000 feet of trapezoidal channel. The project will collect flows from a City development channel located south of Ramona Expressway and convey them north toward the San Jacinto Levee, outletting into the San Jacinto River. The District will be responsible for operation and maintenance of the facility. This project is funded by the District and fees collected from the San Jacinto Regional Area Drainage Plan.

The design phase is anticipated to begin in Fiscal Year 2024-2025.

**Metz Road Lateral Storm Drain, Stage 0 (4-8-00081-00)**

This County Office of Economic Development (OED)-led project in the city of Perris consists of approximately 400 feet of 42-inch diameter underground storm drain. This project will capture and convey flows along North Perris Boulevard to the existing Metz Road Channel to provide stormwater runoff protection for the Perris Valley Cemetery. The District will be responsible for operation and maintenance of the facility. This project is funded by the District.

The design phase is anticipated to commence by the end of 2024.

**West Hemet MDP Line C, Stage 3 (4-8-00235-03)**

This is a City of Hemet-led project consists of approximately 4,700-feet of primarily earthen open channel that will convey runoff from the existing City-maintained Seattle Basin southerly along Cawston Avenue and westerly along Devonshire Avenue to just west of Myers Street. The District will be responsible for operation and maintenance of the facility after the construction of an adequate outlet to the Line C system by a developer. The City will be responsible for maintenance of the system in the interim condition. This project is funded by the District and fees collected from the Hemet Regional Area Drainage Plan.

The design will start in fall 2024.

**San Jacinto MDP Lines E-2 and E-2A, Stage 1 (4-8-00251-01)**

This is a City of San Jacinto (City)-led project to provide flood protection to properties along State Street. The project consists of an underground storm drain ranging in pipe diameter from 30 inches to 72 inches that will collect 100-year storm runoff beginning in Menlo Avenue approximately 600 feet east of State Street and convey it north through State Street to the existing San Jacinto Line E improved channel. The approximate length of the facility is 7,000 feet. The District and City will share operation and maintenance responsibilities based on storm drain sizing. This project is funded by the District.

The City experienced delays after it was determined that utility relocations and an alignment redesign will be required to avoid utility conflicts. The project is currently being redesigned, and the City is working with the utility companies for utility relocations.

**Sunnymead MDP Lines F and F-7, Stage 1 (4-8-00290-01)**

This City of Moreno Valley (City)-led project will reduce flooding for the homes and apartments along Hemlock Avenue, the businesses on Sunnymead Boulevard, and homes and local streets between Sunnymead Boulevard and Eucalyptus Avenue. The project will begin north of the 60 Freeway near Hemlock Avenue and Graham Street and extend westerly in an underground storm drain to Calle Sombra, where it will turn south under the 60 Freeway. South of the 60 Freeway, the project transitions to an open channel that continues south along the existing wash until it discharges to the existing channel east near Atlantic Circle. The overall project is 5,000 feet. The project also includes two small detention basins to

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attenuate flows south of Sunnymead Boulevard. The District will be responsible for operation and maintenance of the facility. This project is funded as a cost share between the District, fees collected from the Sunnymead Area Drainage Plan and a City of Moreno Valley acquired Federal Emergency Management Agency grant.

The City is currently preparing California Environmental Quality Act document.

**Moreno MDP Line F-18, Stage 1 (4-8-00403-01)**

This City of Moreno Valley (City)-led project includes Master Drainage Plan (MDP) Line F-18 and City Line D-1. Line F-18 is approximately 1,300 feet of reinforced concrete pipe (RCP) and will capture flows from Alessandro Boulevard starting at Merwin Street and convey flows toward Redlands Boulevard, connecting into the existing MDP Line F-2. City Line D-1 is approximately 1,100 feet of RCP and will capture flows from Maltby Avenue and convey flows toward Redlands Boulevard, connecting into existing MDP Line F-2. This project will provide flood protection to the listed streets and the surrounding residences. The District will be responsible for the operation and maintenance of the Line F-18 facility, and Line D-1 will be operated and maintained by the City. This project is funded by the District.

The City's consultant is preparing the plans and studies per District's requirements.

**Mead Valley MDP Line A, Stage 1 (4-8-00410-01)**

This is a County Transportation Department-led project to provide flood protection as an integrated component of their Cajalco Road Widening and Safety Enhancement Project. The project will construct a 3,000-foot storm drain facility along Cajalco Road from Brown Street to Alexander Street. Once constructed, it will also enable the District to pursue other upstream drainage systems, such as the Lateral A-2 project identified separately in the CIP (Project No. 4-8-09118). The District will be responsible for the operation and maintenance of the facility. This project is funded by the District.

The District and County Transportation is preparing a cooperative agreement for the design and construction of Line A. The County has hired a consultant and initiated preliminary design work.

**Sunnymead MDP Line H, Stage 3 (4-8-00670-03)**

The City of Moreno Valley (City)-led project will collect flows from the existing culverts under the 60 Freeway just west of Indian Street and convey them southeasterly to the existing District Pigeon Pass Channel near the intersection of Sunnymead Boulevard and Indian Street. This project will provide flood protection to the area and may clean up an existing Federal Emergency Management Agency floodplain located along the project alignment. The District will be responsible for operation and maintenance of the facility. This project is funded by the District.

The City anticipates receiving the Public Works and Economic Development Facilities and Economic Adjustment Assistance grant and National Environmental Policy Act approval by December 2024. The design phase is planned to start in April 2025.

**Moreno MDP Line K and Debris Basin, Stage 2 (4-8-00767-02)**

This City of Moreno Valley (City)-led project will construct the Reche Canyon Debris Basin at the upstream end and approximately 5,700 feet of Line K storm drain facility along Locust Avenue and Moreno Beach Drive to Ironwood Avenue. The proposed Line K consists of trapezoidal channels (b=10', d=7', ss=1.5:1 and b=25', d=6', ss=2:1) and 9.5'W x 7'H reinforced concrete box. The project will alleviate flooding issues and control sediment within the area. The District will be responsible for operation and maintenance of the facility. This project is funded as a cost share between the District and the City approved Local Transportation Adaptation Program Grant.

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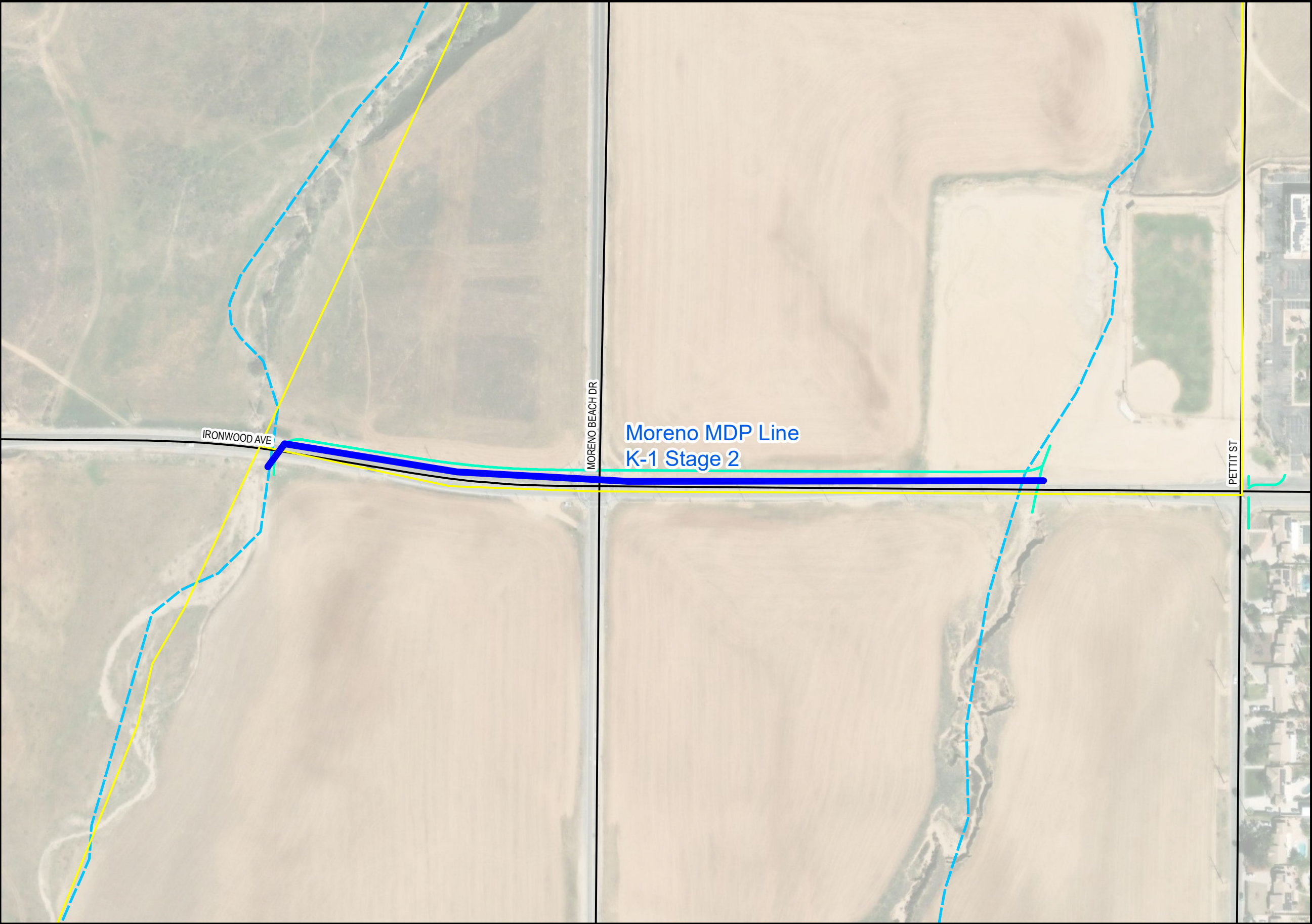
The Request for Proposals for design was issued in July 2024, and the City anticipates selecting a consultant and starting design in November 2024.

**San Jacinto Valley MDP Line G-3 (4-8-09083-00)**

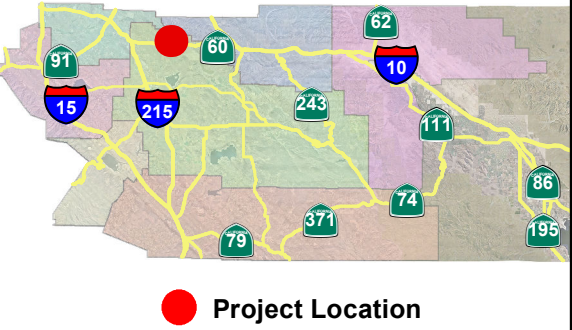
The City of San Jacinto (City)-led project proposes approximately 1,100 feet of 20'W x 5.5'H rectangular channel and two 2-cell 10'W x 5'H reinforced concrete box system. The project will collect flows from an area east of Palm Avenue and Investor Place and convey them northwesterly into the San Jacinto Reservoir owned by Eastern Municipal Water District. The project will provide flood protection and an adequate outlet for development in the surrounding area. The District will be responsible for operation and maintenance of the facility. This project is funded by the District.

The project is currently in design.





VICINITY MAP

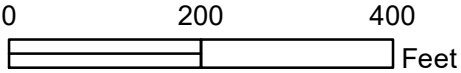


Description

This City of Moreno Valley-led project consists of an underground facility that will reduce flooding of Ironwood Street west of the intersection of Pettit Street. The 1,600 feet of storm drain will collect runoff arriving from north of Ironwood and convey flows west within Ironwood Avenue where they will be discharged into the District's existing Line K floodplain between Moreno Beach Drive and Oliver Street. The District will be responsible for operation and maintenance of the facility.

Legend

- Moreno MDP Line K-1 Stage 2
- Future District Facilities
- City Facilities
- Natural Flowlines

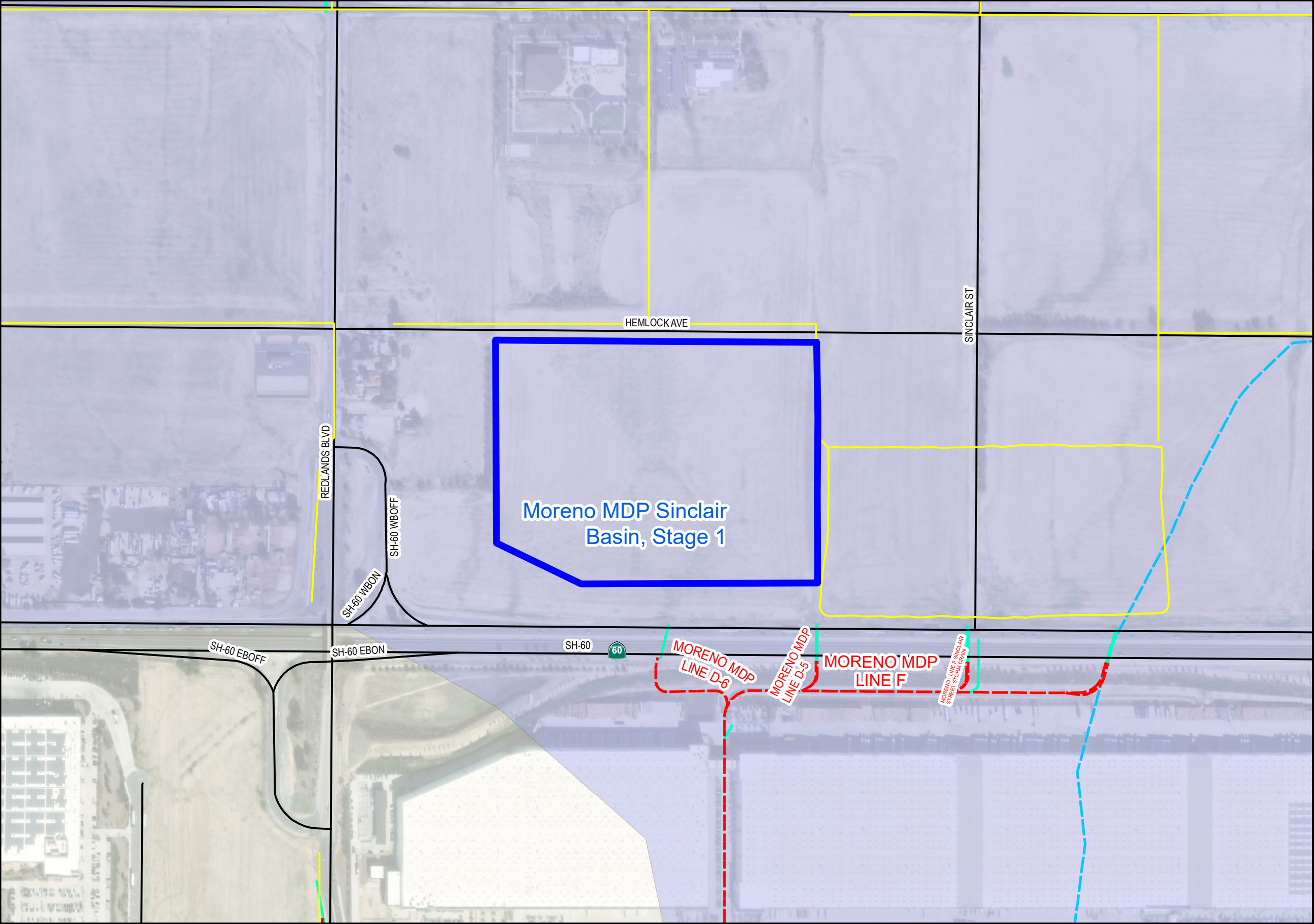


RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT  
**Moreno MDP Line K-1 Stage 2**  
Supervisory District 5

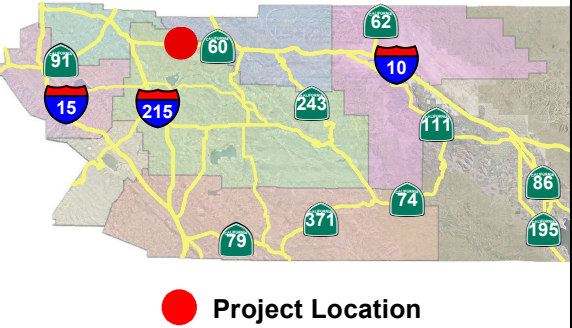


Project No.	4-8-00766-02
Engineer	T. Hanson
Date Created	6/22/2023





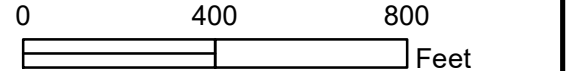
VICINITY MAP



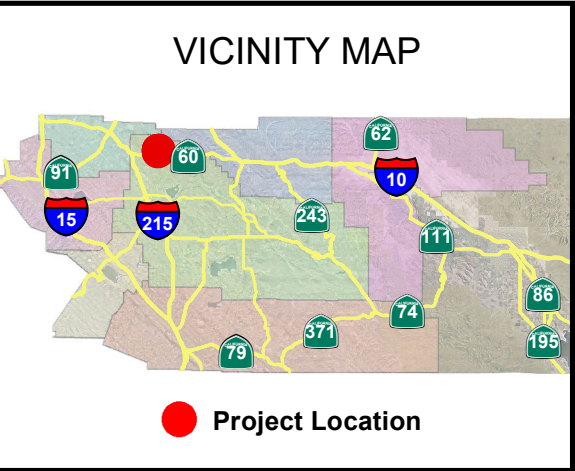
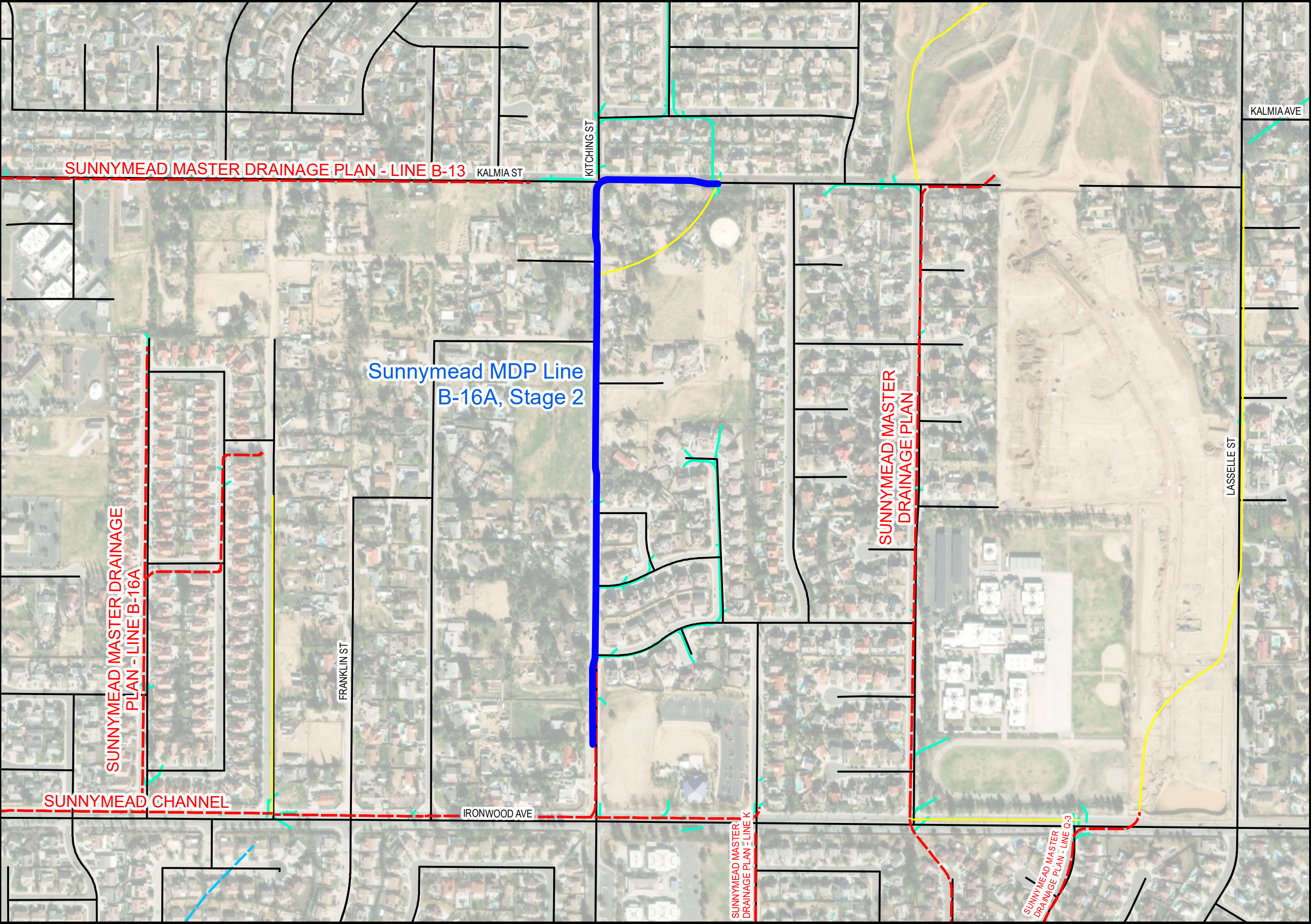
**Description**

The District's Moreno Master Drainage Plan (MDP) relies on the construction of a large detention basin 'Sinclair Basin' north of CA-60 and east of Redlands Boulevard. Four parcels where the basin will be located have been acquired. In future years, the District can consider additional funding to pursue design and construction of the basin based on available funding.

- Legend**
- Moreno MDP Sinclair Basin, Stage 1
  - Existing Below Ground District Facilities
  - Un-budgeted District Facilities
  - City Facilities
  - Natural Flowlines
  - Flood Hazard Area



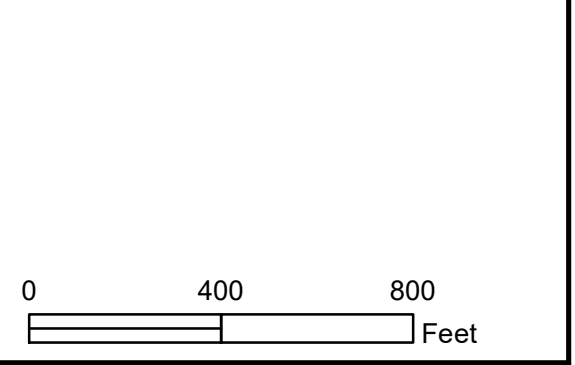




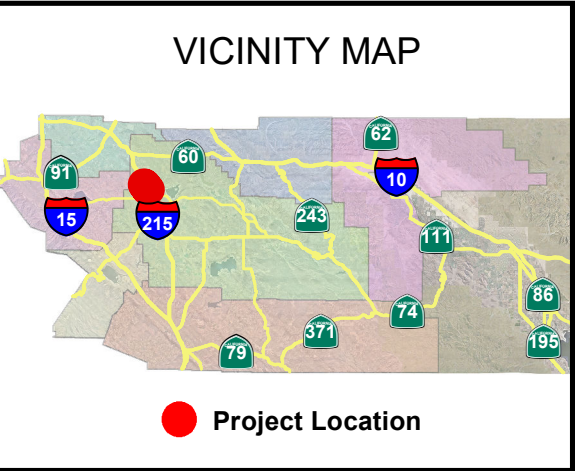
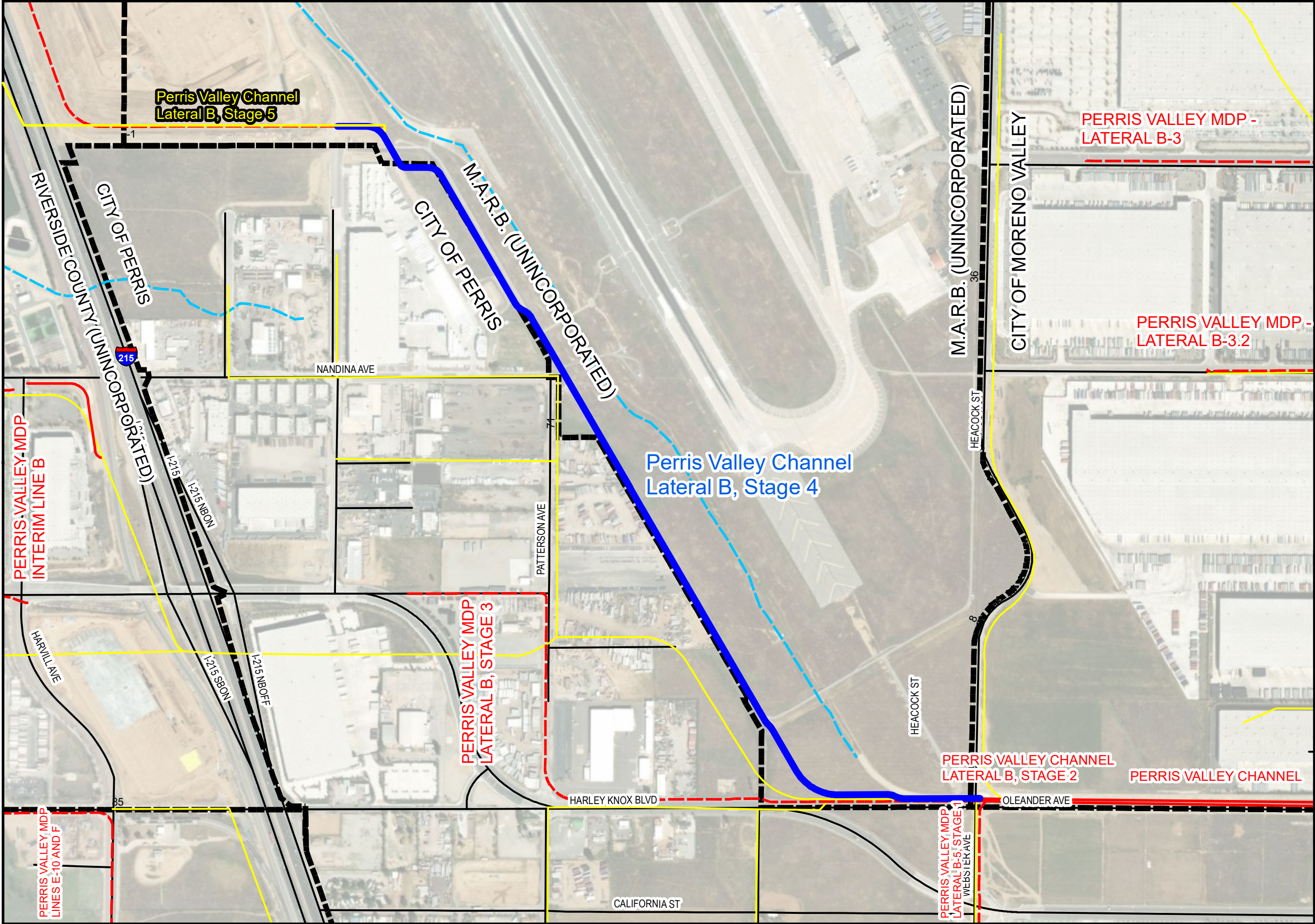
### Description

This is a City of Moreno Valley-led project to reduce flooding problems along Kitching Street and the surrounding community. Line B-16A will collect the 10-year runoff from Kalmia Street and convey it approximately 3,100 feet south within Kitching Street in an underground storm drain (24 inches to 36 inches) and will discharge into the existing District Sunnymead B-16A, Stage 1 storm drain located north of Ironwood Avenue. Implementation of the project may also reduce erosion and sediment accumulation along Kitching Street. The City of Moreno Valley will be responsible for operation and maintenance of the facility.

- ### Legend
- Sunnymead MDP Line B-16A, Stage 2
  - Existing Above Ground District Facilities
  - Existing Below Ground District Facilities
  - Un-budgeted District Facilities
  - City Facilities
  - Natural Flowlines



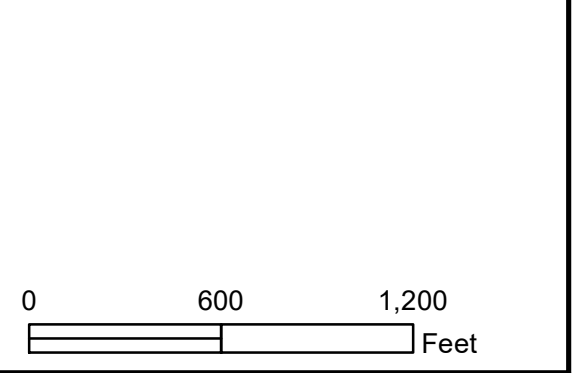




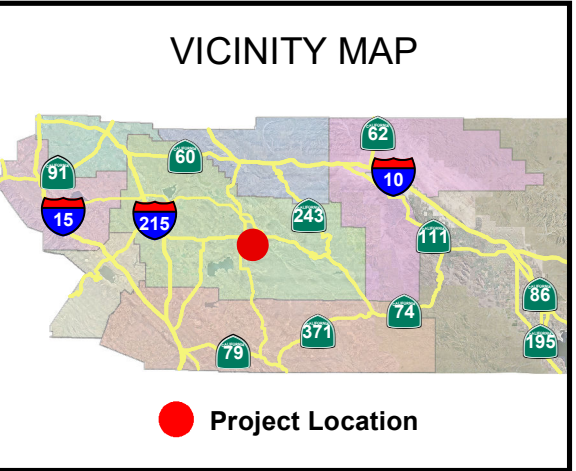
**Description**

This is a District-led proposed storm drain improvement project of approximately 6,000 feet of reinforced concrete box that will reduce flooding to the March Air Reserve Base and enable future storm drain extensions and flood protection to adjacent properties west of the base. The project will collect 100-year runoff from the existing Perris Valley Channel Lateral B, Stage 5 storm drain, and will convey the water south to the existing Perris Valley Channel Lateral B, Stage 2 at Heacock Street. The District will be responsible for operation and maintenance of the facility once constructed.

- Legend**
- Perris Valley Channel Lateral B, Stage 4
  - Existing Above Ground District Facilities
  - Existing Below Ground District Facilities
  - Un-budgeted District Facilities
  - Natural Flowlines
  - City Boundary



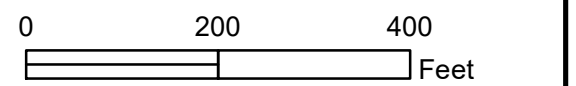




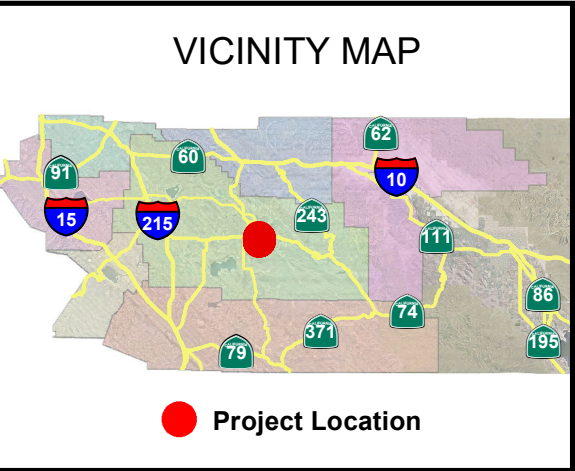
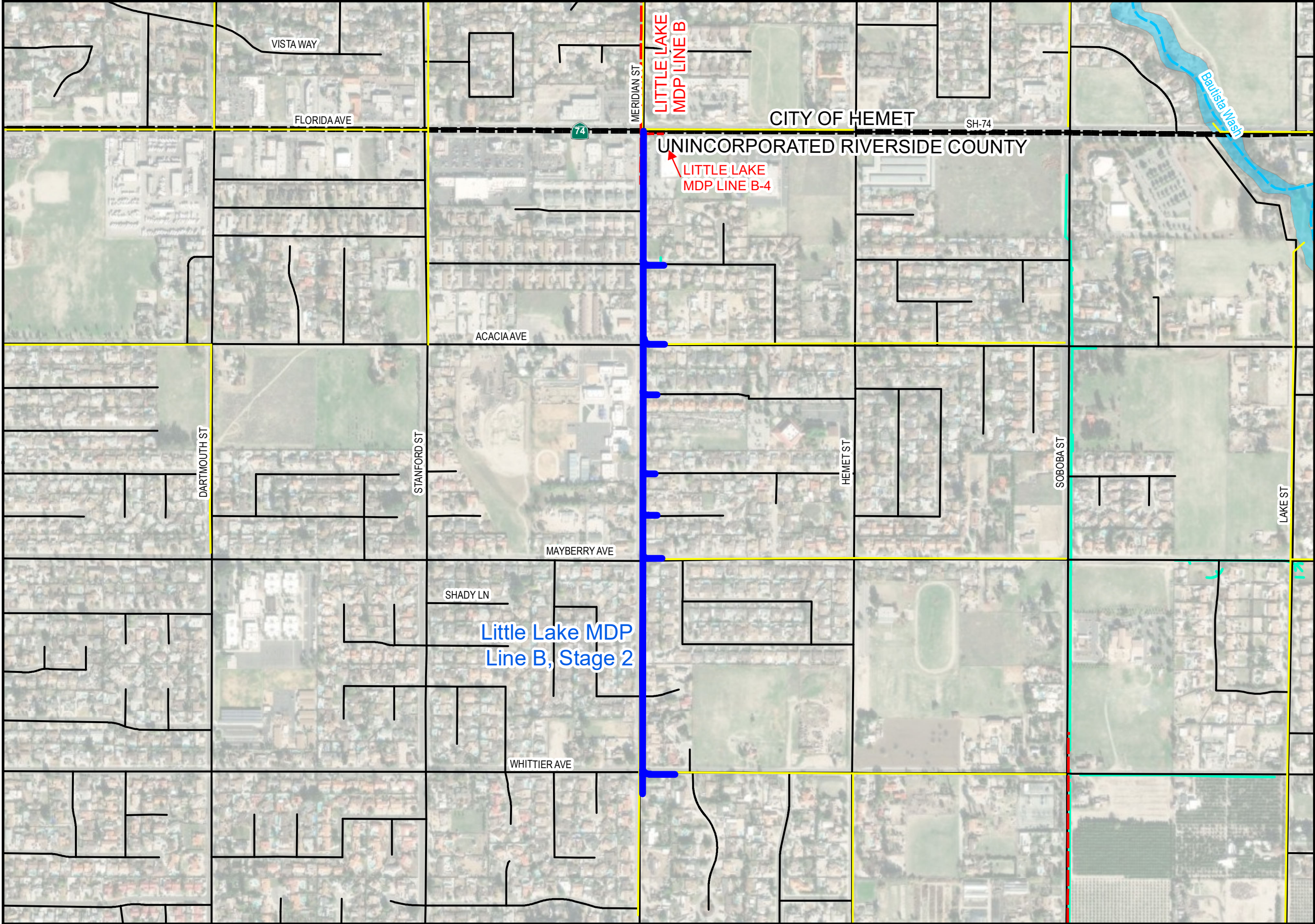
### Description

This is a District-led project to construct approximately 370 feet of 42-inch diameter underground storm drain within Dartmouth Street south of Stetson Avenue and construct more catch basins to help alleviate flooding for about four parcels on the west side of Dartmouth Street. The District will be responsible for operation and maintenance of the facility.

- ### Legend
- Hemet - South Dartmouth Street Storm Drain, Stage 1
  - Existing Below Ground District Facilities
  - Un-budgeted District Facilities

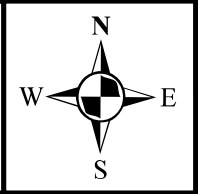
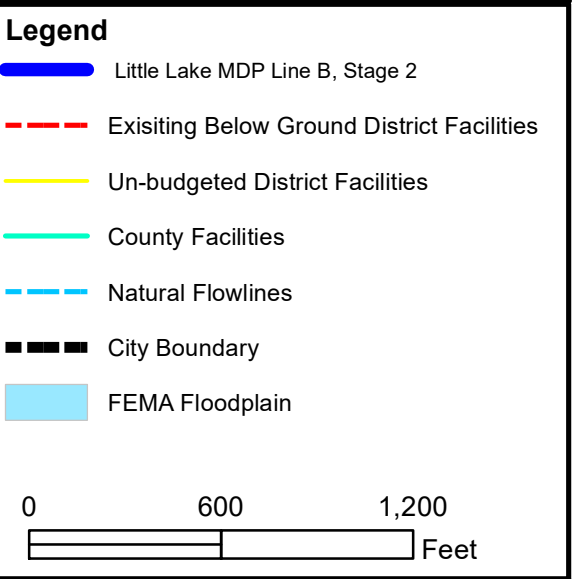






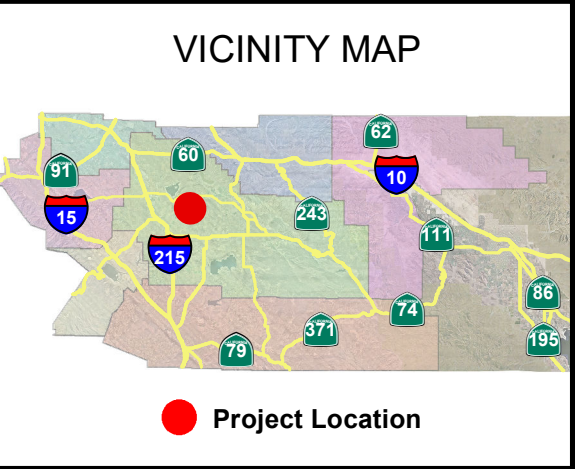
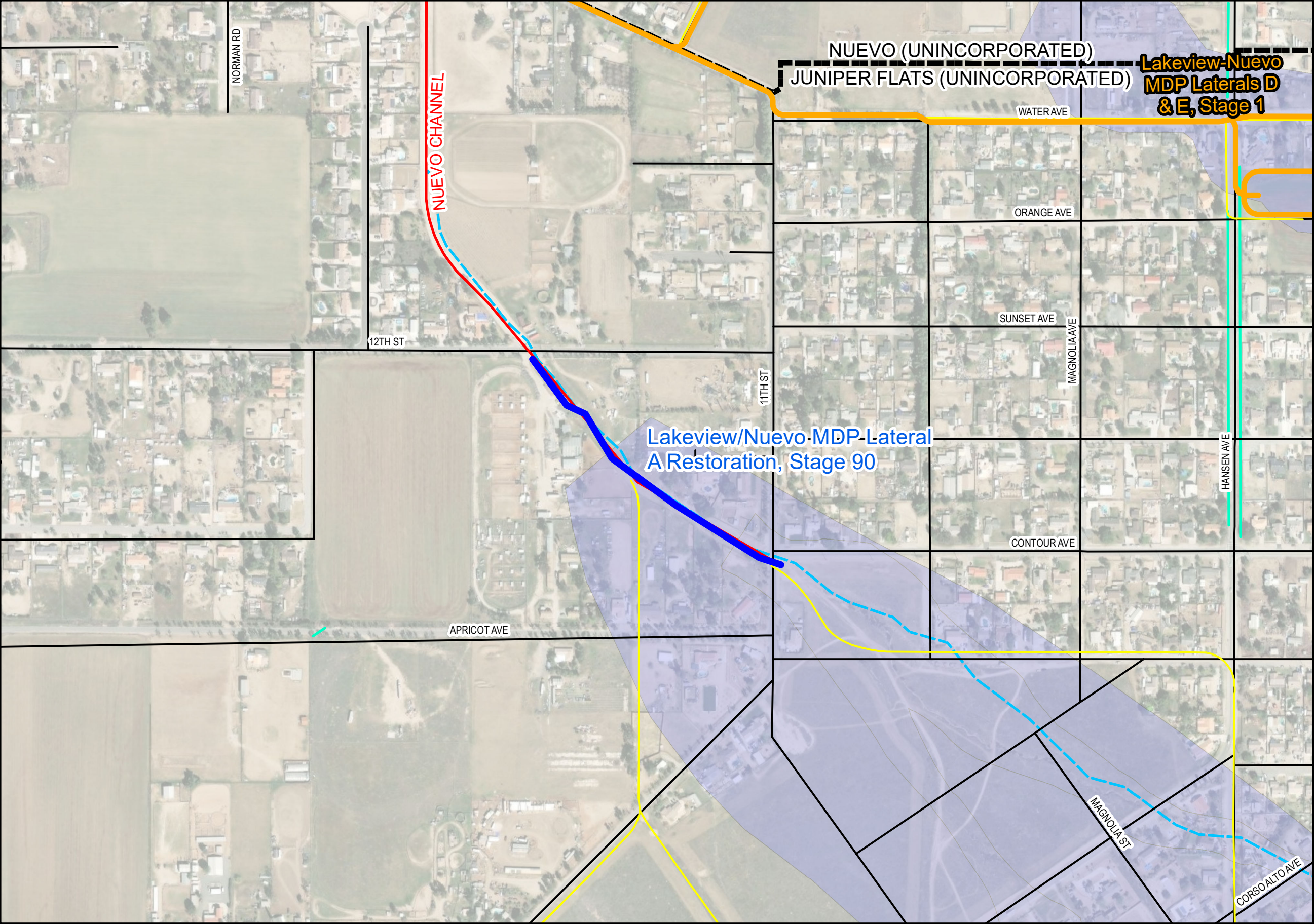
### Description

This District-led storm drain project will install approximately 4,000 feet of underground storm drain along Meridian Street between Florida Avenue/Highway 74 and Whittier Avenue. This project will complete the backbone of the Line B system that will enable the future construction of additional master-planned storm drains that will extend easterly along Acacia Avenue, Mayberry Avenue and Whittier Avenue. This project will reduce flooding to properties along and west of Meridian Street, however, when combined with those future storm drains, the overall system will provide full 100-year flood protection to the community. This project will collect storm runoff along the project reach and convey the flows to the existing Little Lake MDP Line B, Stage 1 facility at Florida Avenue/Highway 74. The District will be responsible for operation and maintenance of the facility.



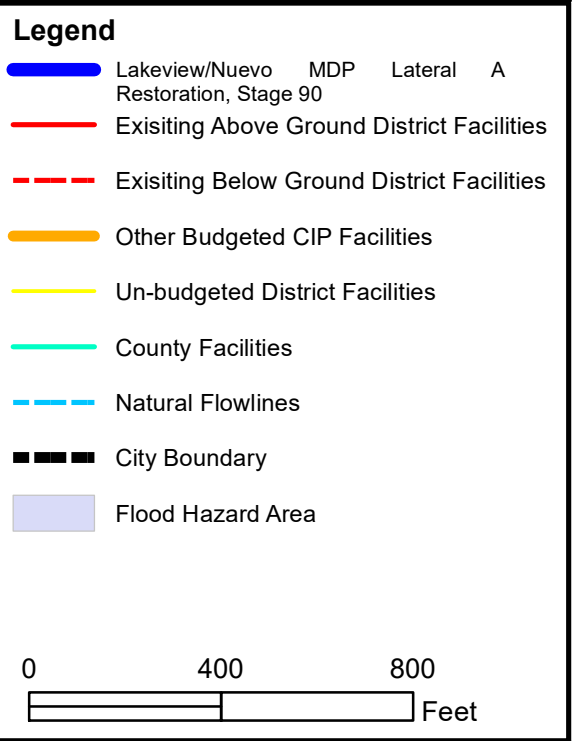
Project No.	4-8-00265-02
Engineer	M. Caluag
Date Created	6/17/2024





### Description

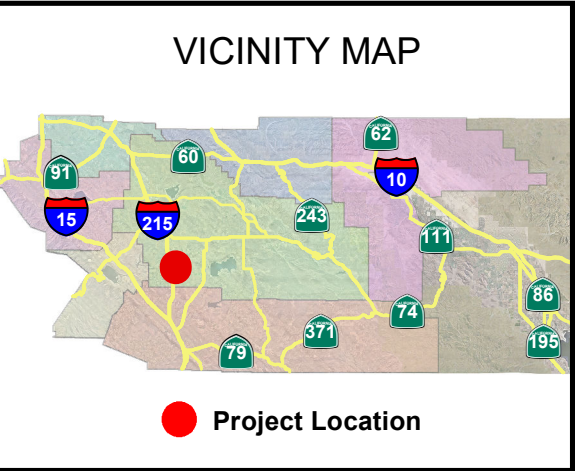
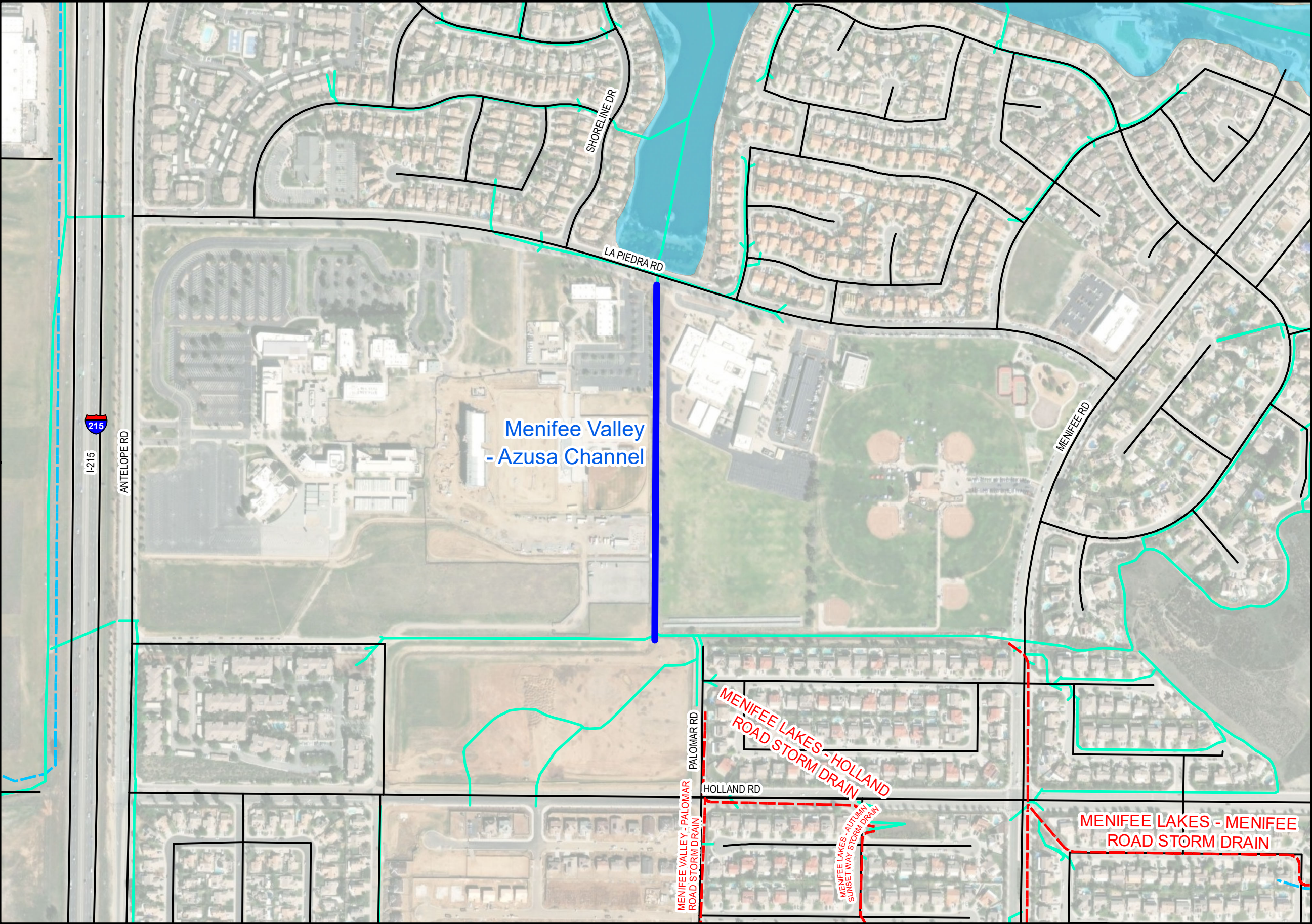
This District-led project will address flooding in the unincorporated community of Nuevo, along an existing earthen channel between 11th and 12th street. The proposed project will collect flows upstream of 11th Street and convey them northwesterly 1,300 feet through an improved/stabilized channel and tie into existing box culvert at 12th Street. The District will be responsible for operation and maintenance of the facility.





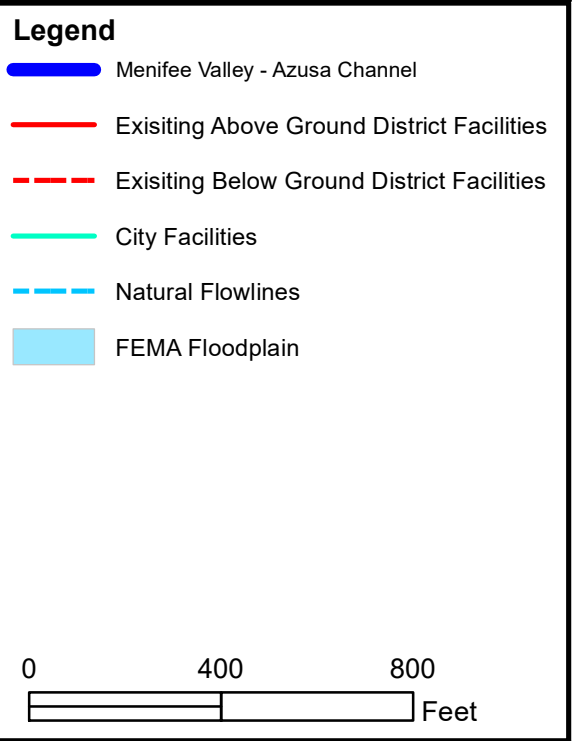




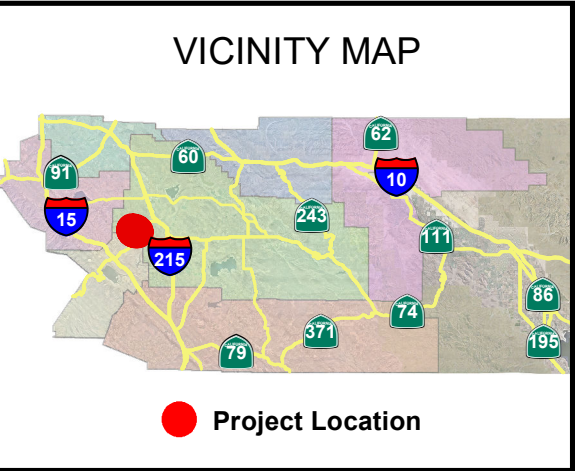
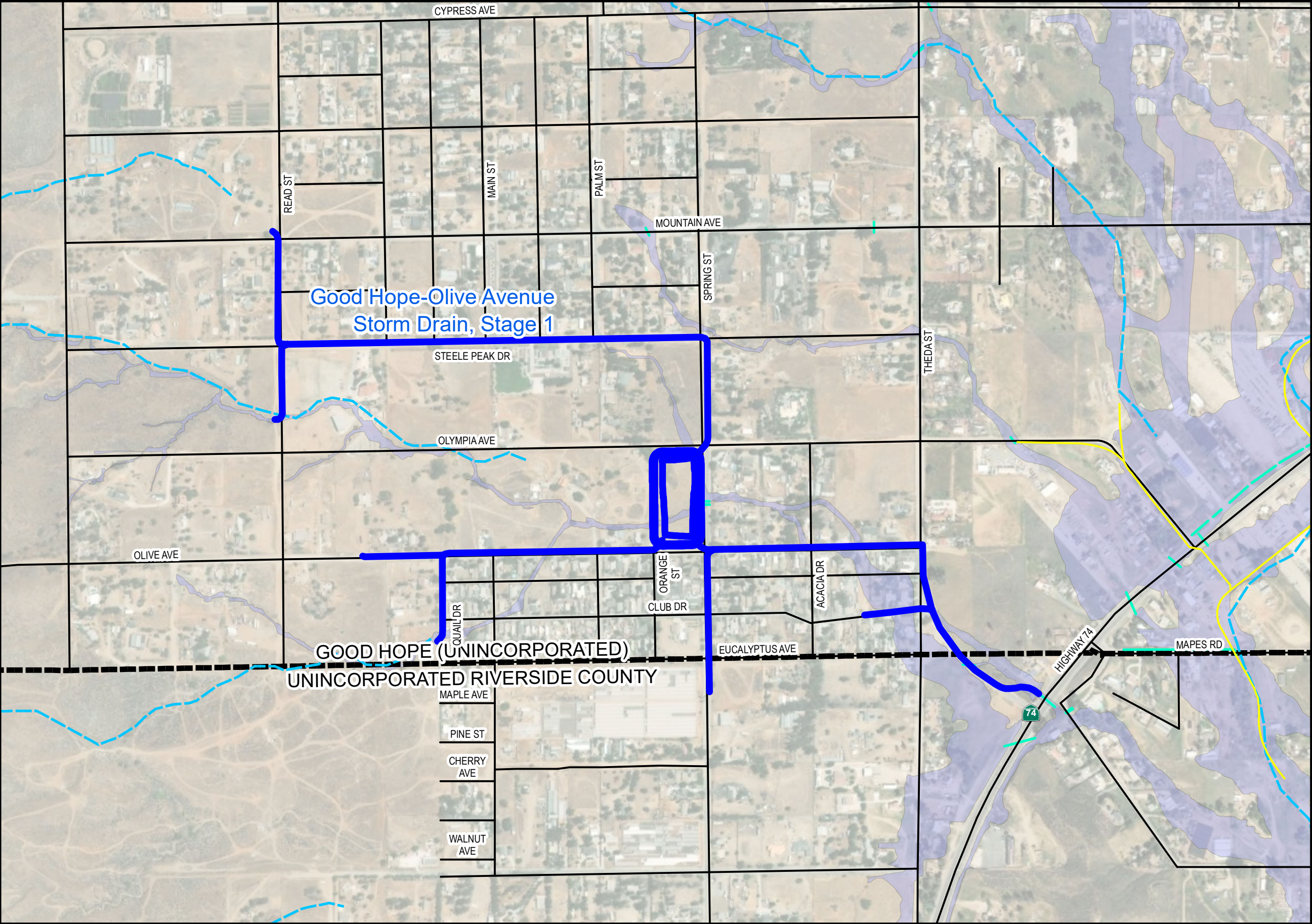


### Description

This is a District-led project to the east side of Mt. San Jacinto College - Menifee Valley campus to reduce street and community flooding. This project will collect flows from Menifee Drainage Channel and TR 36852 channel into a proposed large inlet structure. Flows will be conveyed north in the proposed 1,400 feet of open channel then discharge into the existing City of Menifee owned La Piedra Road Culvert, which outlets to Menifee Lakes. The District will be responsible for operation and maintenance of the channel.

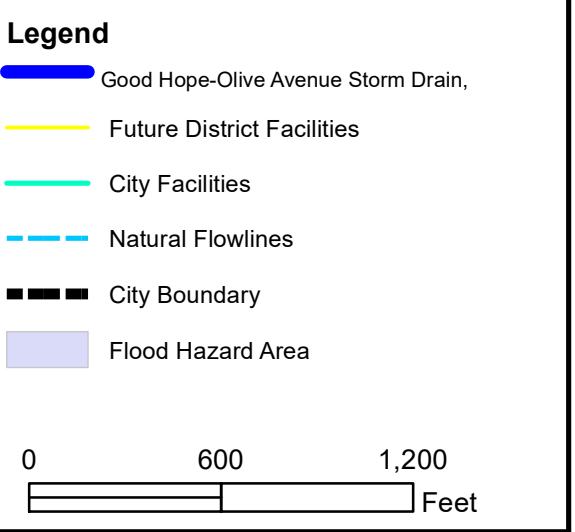




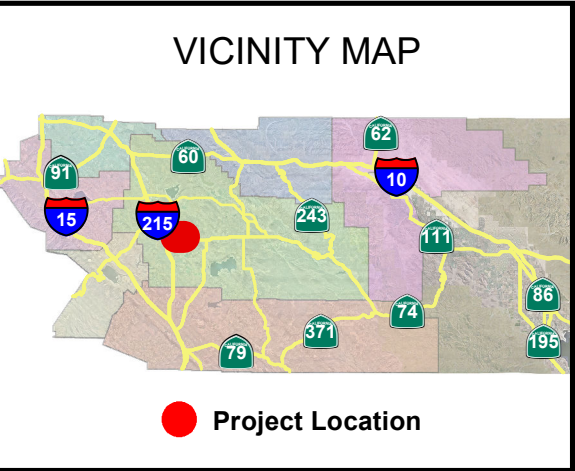
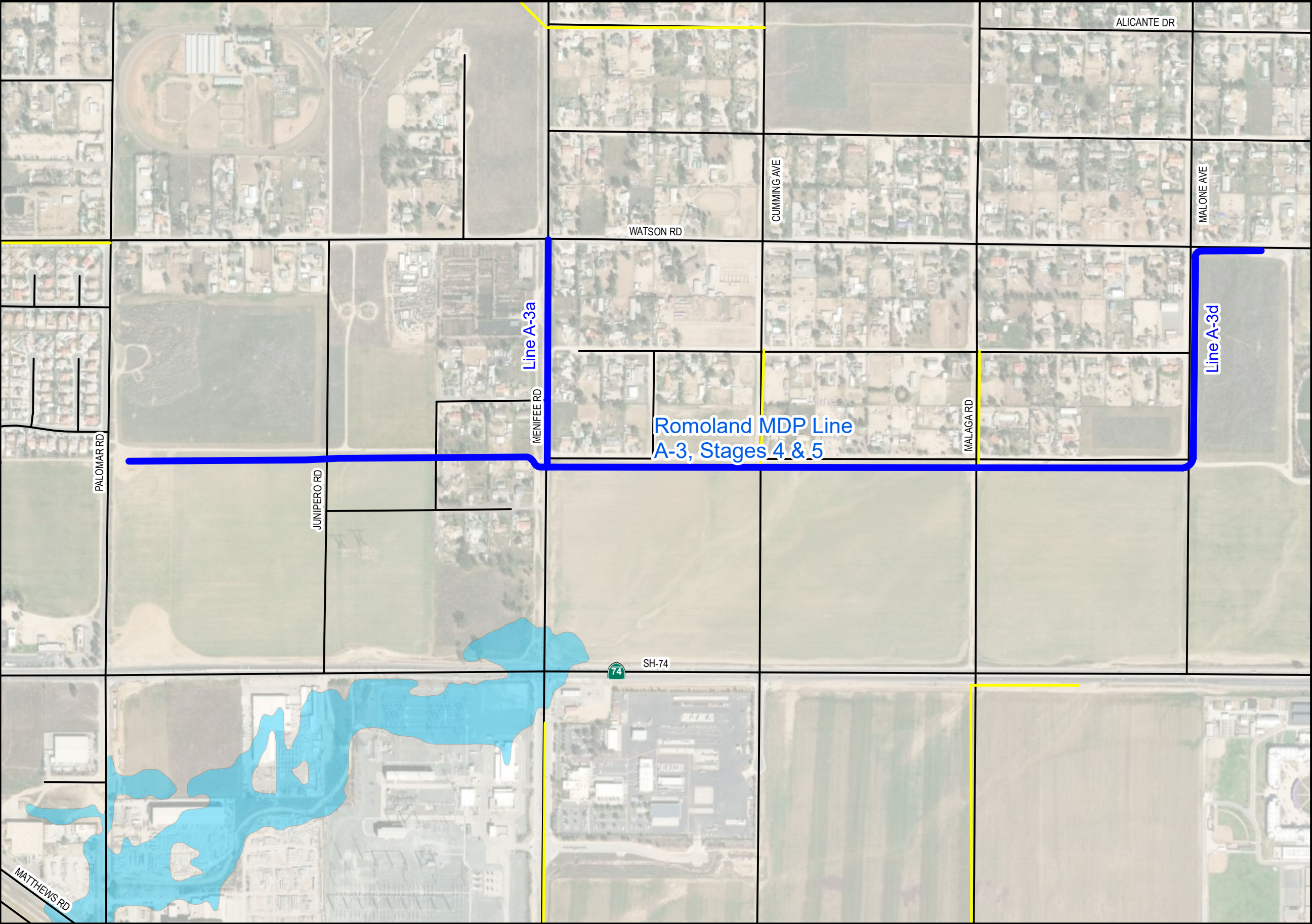


### Description

This is a District-led project that will provide 100-year protection to the properties in the Good-Hope area between Mountain Avenue and Eucalyptus Avenue east of Read Street and west of Theda Street. The project will construction over two miles of storm drain and a regional detention basin that will collect storm flows at the upstream end along Read Street and Quail Drive, convey flows to the detention basin at Spring Street then continue downstream to the existing culvert crossing on Highway 74 just east of Theda Street. The District and Riverside County Transportation Department will share operation and maintenance responsibilities based on storm drain sizing.







**Description**

This District-led project will complete the Line A-3 storm drain system along Varela Lane east from Palomar Road to Malone Avenue. The project will collect runoff generated north of Varela Lane and convey it west along Varela Lane in an open channel from Malone Avenue to Menifee Road. Runoff is then conveyed in an underground storm drain across Menifee Road to the connection with Stage 3 on Palomar Road. This project also includes laterals A-3a and A-3d on Menifee Road and Malone Avenue. The total length of this project is approximately 10,220 feet of underground reinforced concrete box/pipe and open channel. Once this project is complete, the system will help protect properties located along Varela Lane and east of Palomar Road. The District will be responsible for operation and maintenance of the facility.

**Legend**

- Romoland MDP Line A-3, Stages 4 & 5
- Un-budgeted District Facilities
- FEMA Floodplain

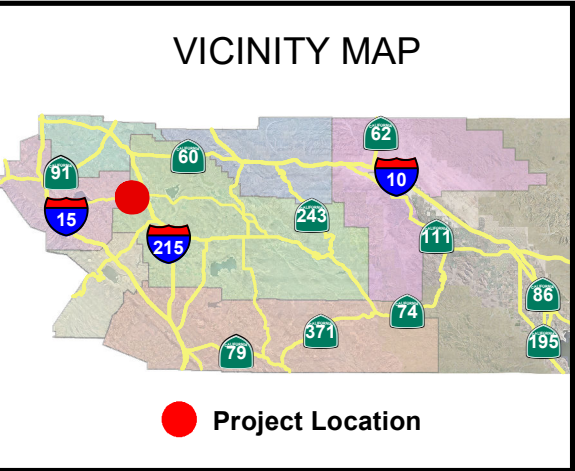
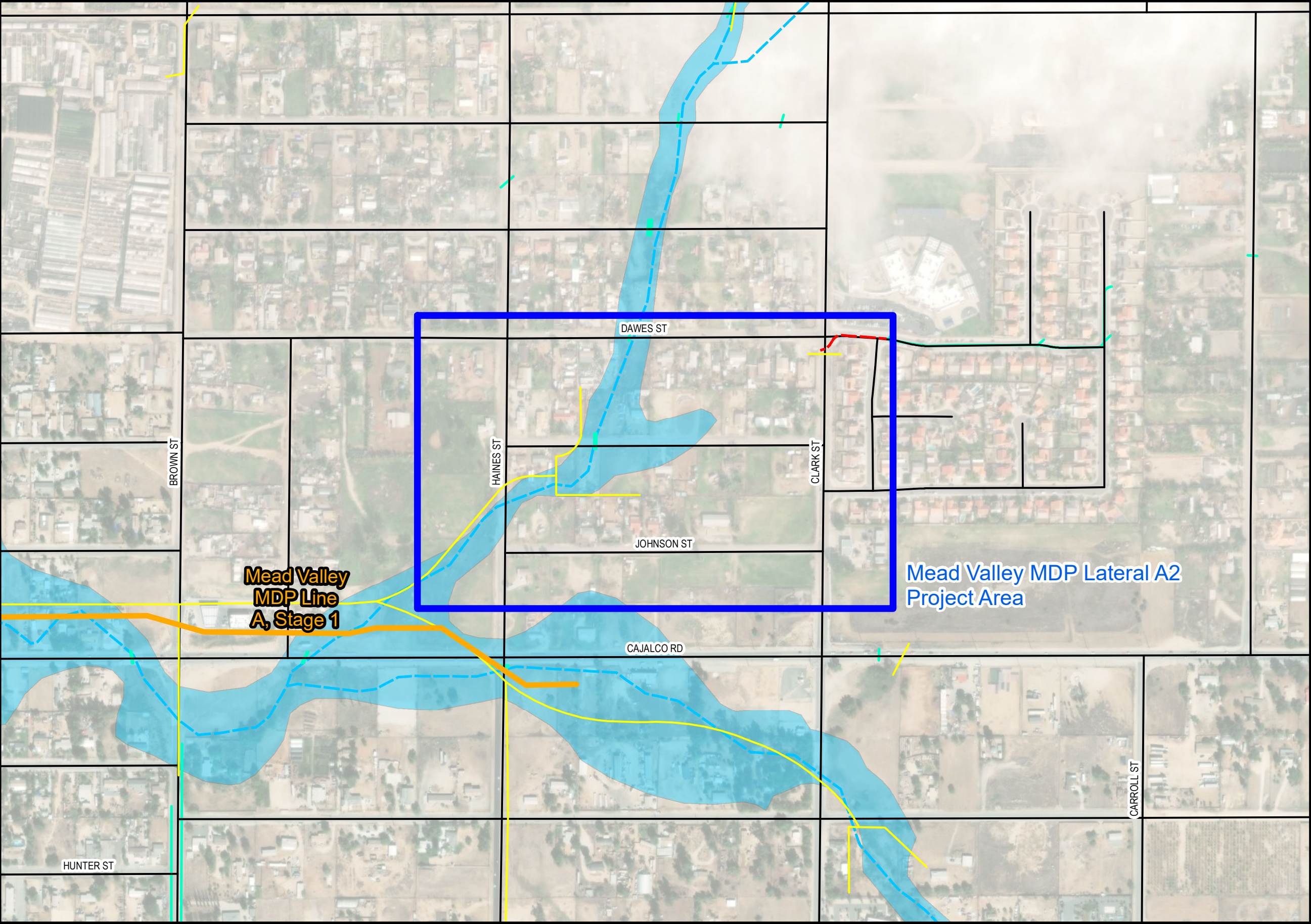
0

600

1,200

Feet





### Description

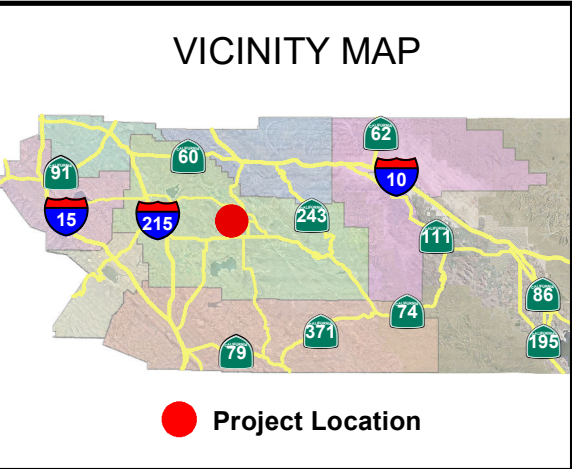
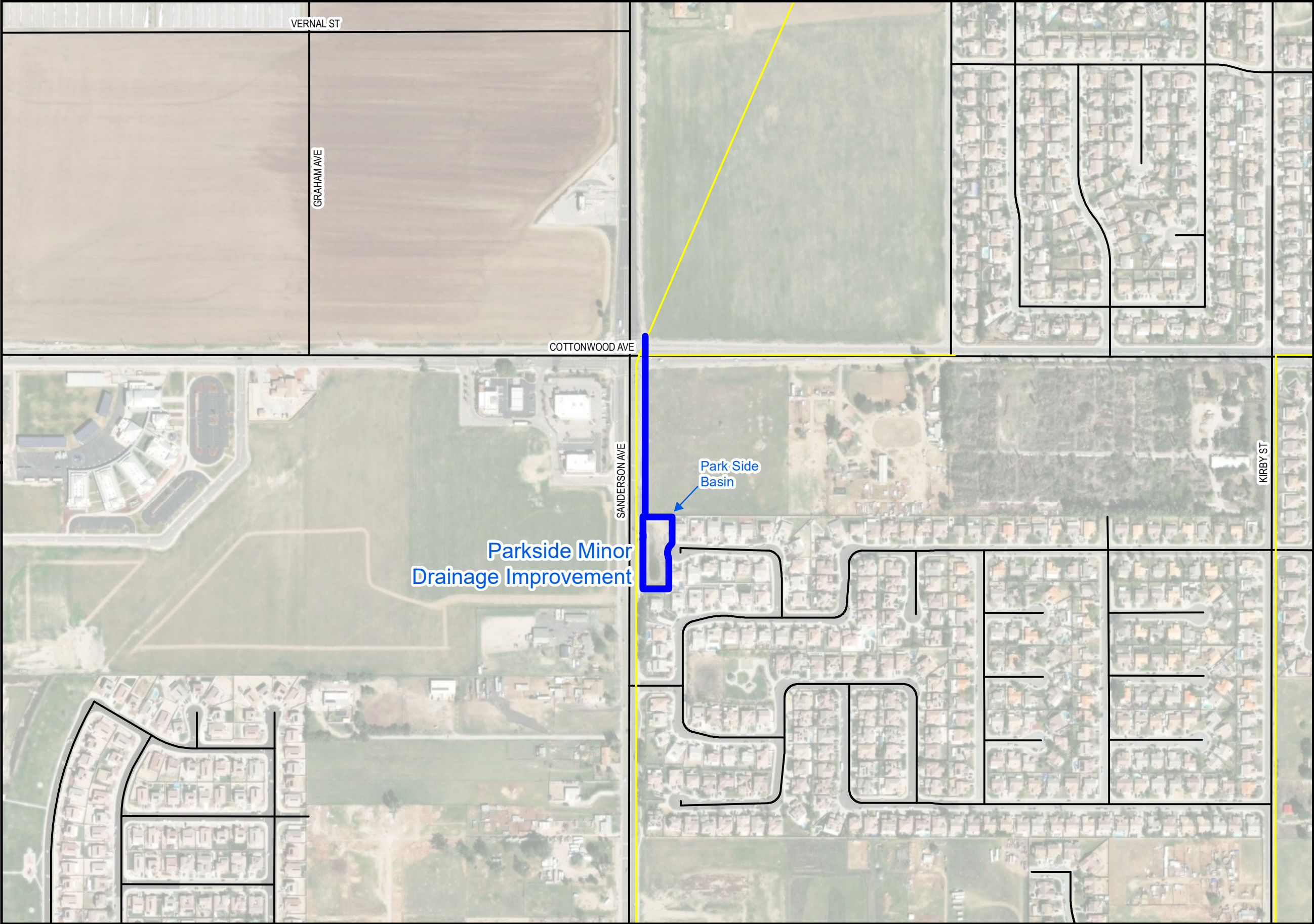
This District-led project is an underground facility that will reduce flooding on Short Ridge Street west of the intersection of Clark Street and Dawes Street, located in Mead Valley (Unincorporated Riverside County). The proposed storm drain will collect runoff from existing Mead Valley-Dawes Street Storm Drain (DWG 4-0805) and convey flows west on Dawes Street, then south on Haines Street, where it will discharge into the District's proposed Mead Valley MDP Line A system near Haines Street and Johnson Street. Exact alignment, type and facility size is still to be determined. Design of this project can be pursued after the design of Mead Valley MDP Line A is finalized.

### Legend

- Mead Valley MDP Lateral A2 Project Area
- Existing Below Ground District Facilities
- Other Budgeted CIP Facilities
- Un-budgeted District Facilities
- City Facilities
- Natural Flowlines
- FEMA Floodplain

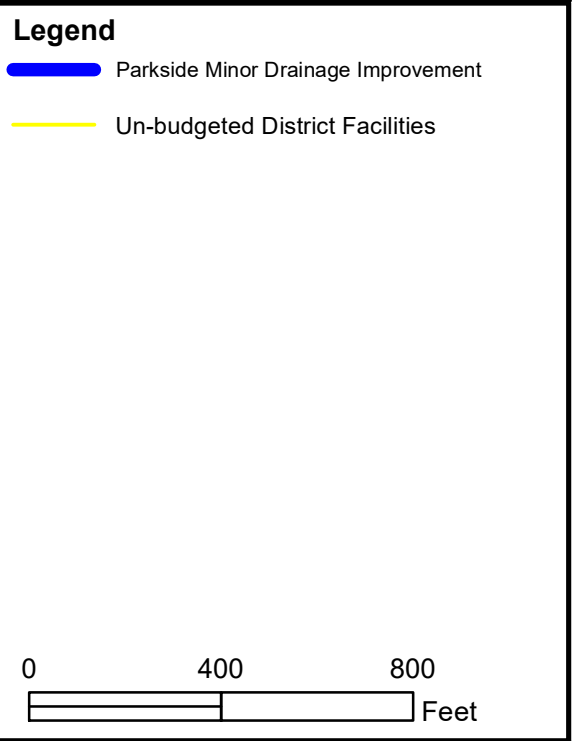
0 400 800 Feet



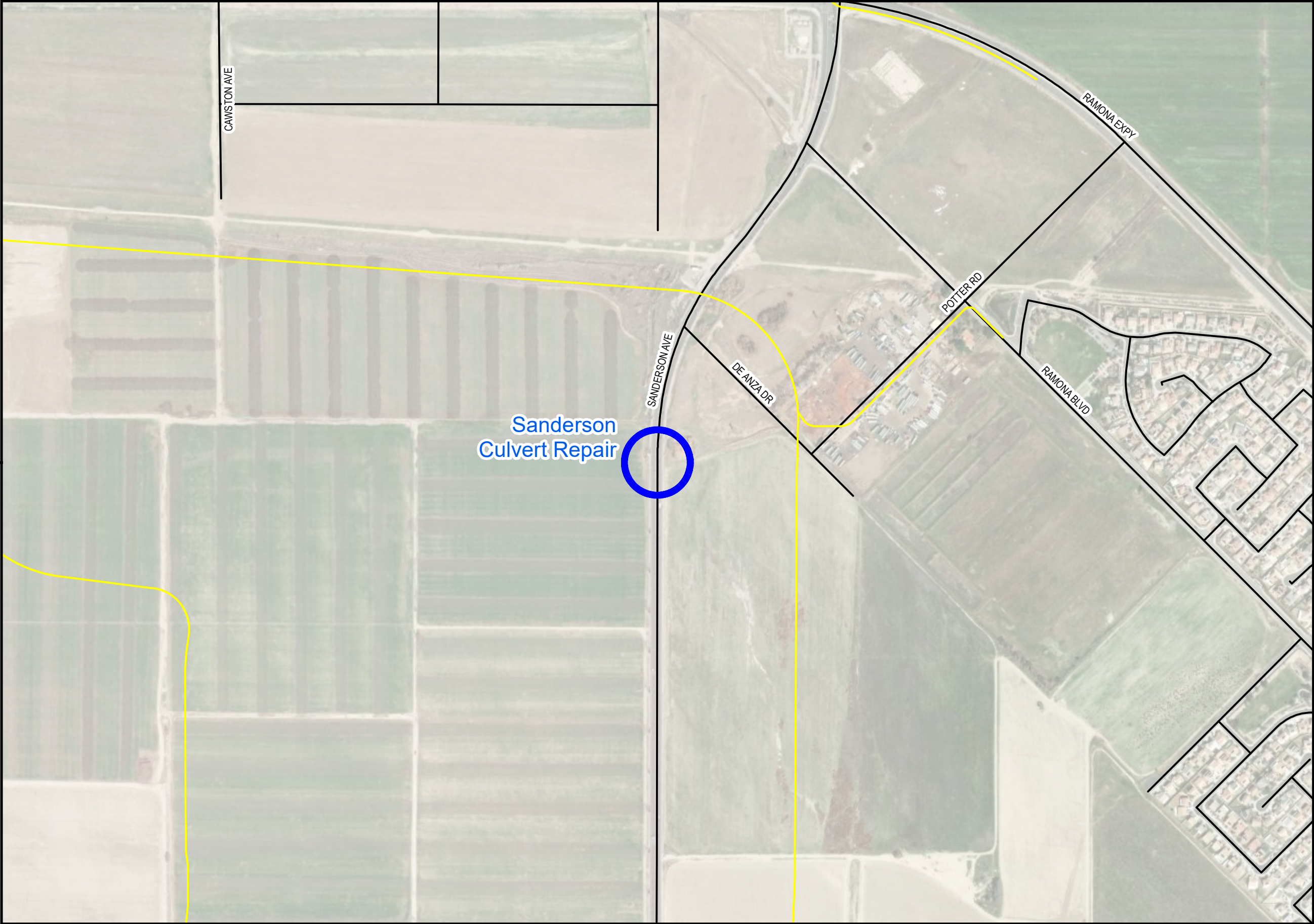


### Description

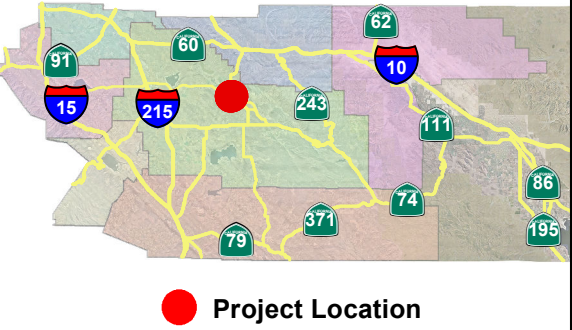
This is a City of San Jacinto-led project to provide flood protection to properties and streets along Sanderson Avenue. The project consists of an upgraded pump and force main extending approximately 800 feet from the Park Side Basin and a force main to an existing concrete channel at the intersection of Sanderson Avenue and Cottonwood Avenue. The City will be responsible for operation and maintenance of the facility.







VICINITY MAP

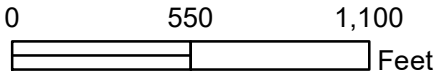


Description

This is a City of San Jacinto-led project to replace a damaged culvert crossing at Sanderson Avenue. The project proposes to construct a transition structure and two 36-inch culvert pipes under Sanderson Avenue. The project stems from the failure of the underground pipe connection, subsequent erosion of subgrade and the development of a sinkhole. The City has implemented a temporary fix to the sinkhole as an interim solution. The project will alleviate flooding issues along the street. The City will be responsible for operation and maintenance of the facility.

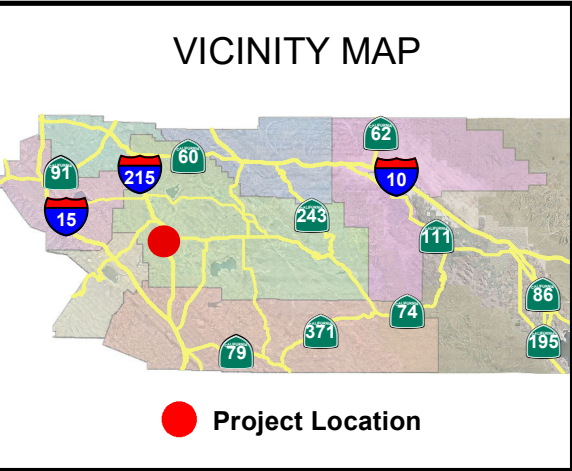
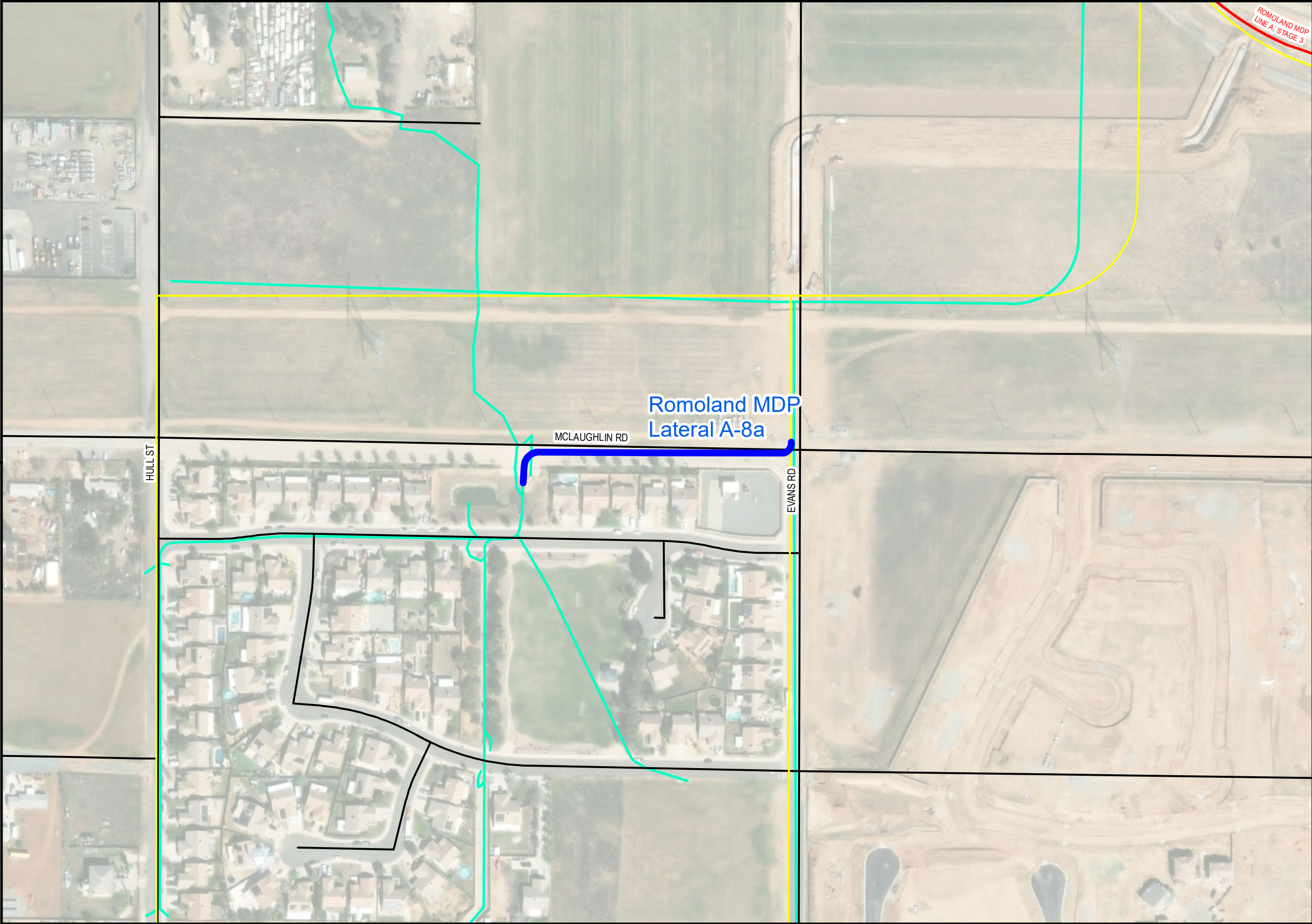
Legend

- Sanderson Culvert Repair
- Un-budgeted District Facilities



Project No.	4-6-10002-00
Engineer	A. Wells
Date Created	6/4/2024

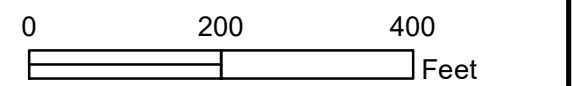




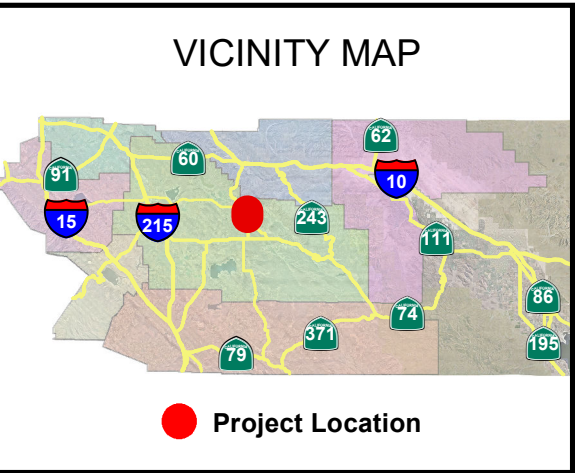
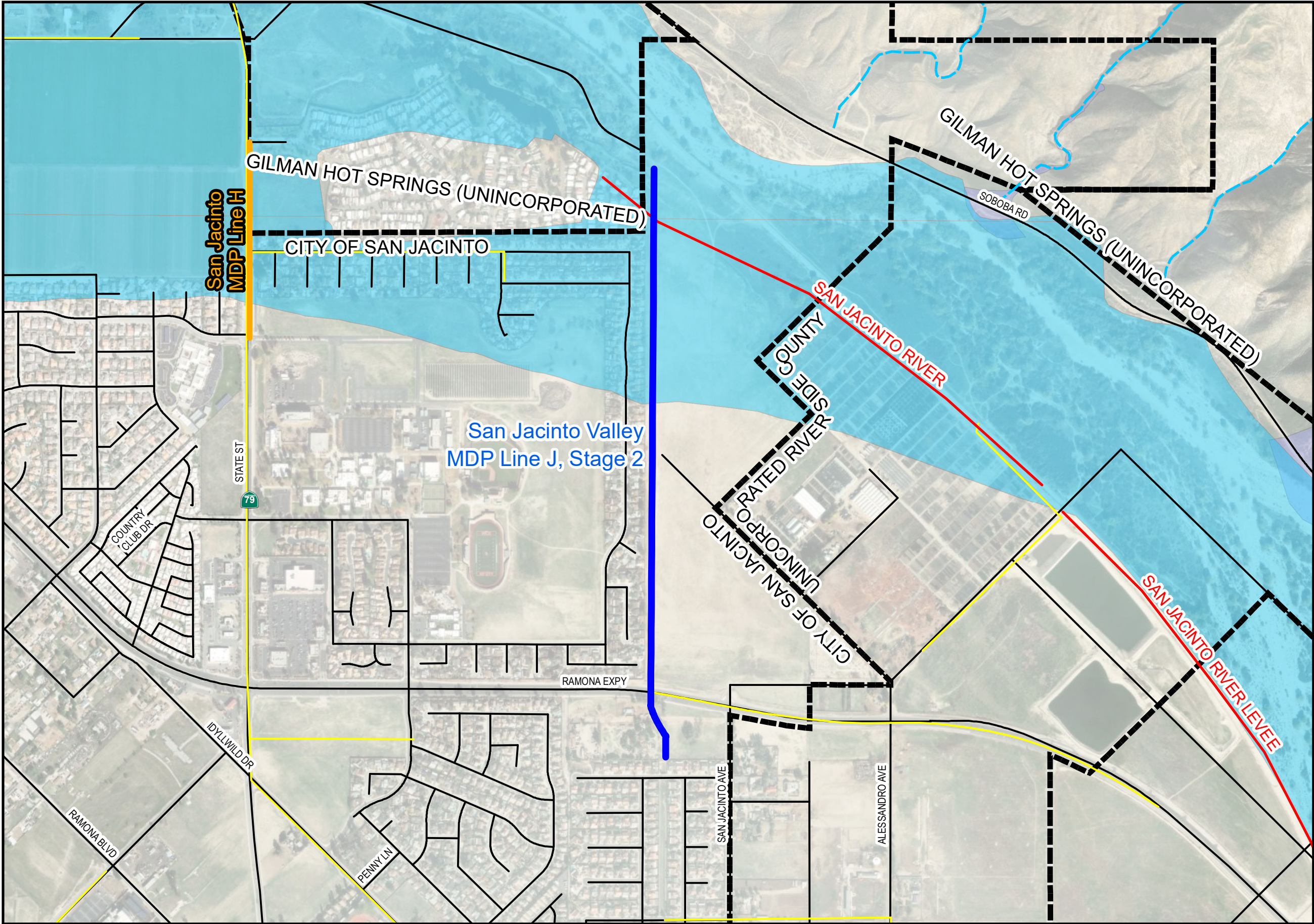
**Description**

This is a City of Menifee-led project to provide flood protection to the local streets surrounding a water quality basin along Mclaughlin Road near the intersection with Evans Road. The project consists of approximately 615 feet of reinforced concrete box along Mclaughlin Road to serve as an outlet from the existing basin to discharge into the existing Romoland MDP Line A-8 system along Evans Road. The City will be responsible for operation and maintenance of the facility.

- Legend**
- Romoland MDP Lateral A-8a
  - Existing Above Ground District Facilities
  - Un-budgeted District Facilities
  - City Facilities



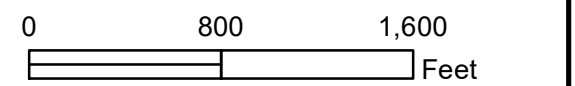




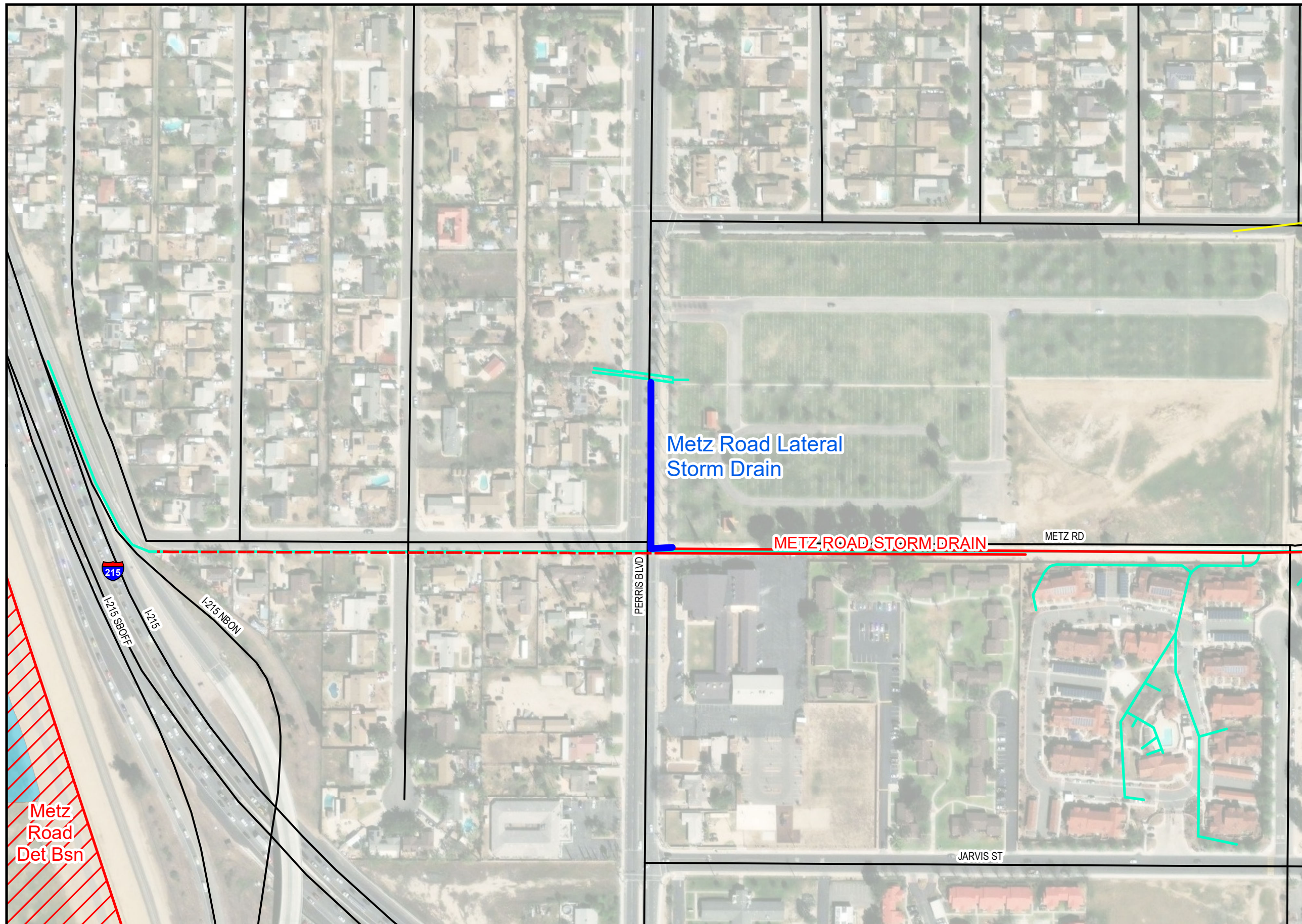
### Description

This City of San Jacinto-led project provides flood protection and consists of approximately 5,000 feet of trapezoidal channel. The project will collect flows from a City development channel located south of Ramona Expressway and convey them north toward the San Jacinto Levee, outletting into the San Jacinto River. The District will be responsible for operation and maintenance of the facility.

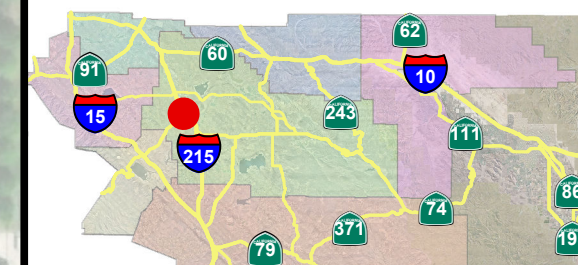
- ### Legend
- San Jacinto Valley MDP Line J, Stage 2
  - Existing Above Ground District Facilities
  - Budgeted CIP Facilities
  - Un-budgeted District Facilities
  - Natural Flowlines
  - City Boundary
  - FEMA Floodplain
  - Flood Hazard Area














## VICINITY MAP

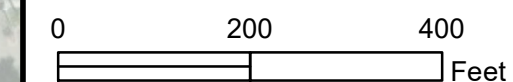
 **Project Location**

Description
<p>1. <b>Introduction</b></p> <p>The purpose of this document is to provide a comprehensive overview of the project's goals, objectives, and scope. It serves as a reference for all stakeholders involved in the project.</p>
<p>2. <b>Project Goals and Objectives</b></p> <p>The primary goal of the project is to develop a new software application that streamlines the workflow and improves efficiency. The specific objectives are:</p> <ul style="list-style-type: none"> <li>Develop a user-friendly interface.</li> <li>Integrate with existing systems.</li> <li>Ensure data security and compliance.</li> </ul>
<p>3. <b>Scope of the Project</b></p> <p>The project scope includes the design, development, testing, and deployment of the software application. It also covers the training of end-users and the ongoing support and maintenance of the system.</p>
<p>4. <b>Project Organization</b></p> <p>The project is managed by a Project Manager, who oversees the progress and coordinates the efforts of the project team. The team consists of developers, testers, and business analysts.</p>
<p>5. <b>Conclusion</b></p> <p>This document outlines the key aspects of the project and provides a clear understanding of the project's purpose and goals. It is essential for all team members to read and understand this document.</p>

This Office of Economic Development (OED)-led project in the city of Perris consists of approximately 400 feet of 42-inch diameter underground storm drain. This project will capture and convey flows along North Perris Boulevard to the existing Metz Road Channel to provide storm water runoff protection for the Perris Valley Cemetery. The District will be responsible for operation and maintenance of the facility.

### Legend

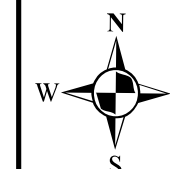
-  Metz Road Lateral Storm Drain
-  Existing Above Ground District Facilities
-  Existing Below Ground District Facilities
-  Existing Facilities Area
-  Un-budgeted District Facilities
-  City Facilities
-  FEMA Floodplain



**RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT**

## Metz Road Lateral Storm Drain

Supervisory District 1



Project No.

**4-8-00081-00**

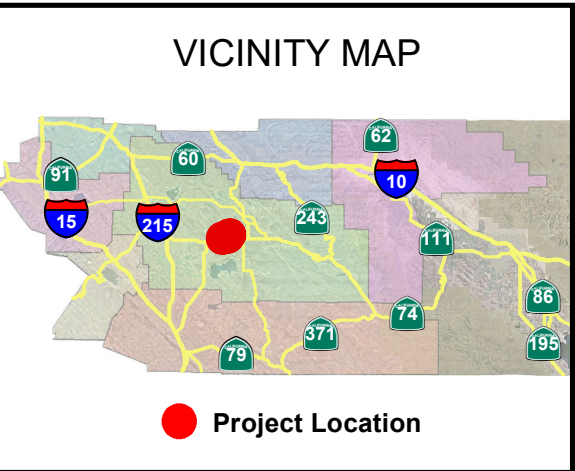
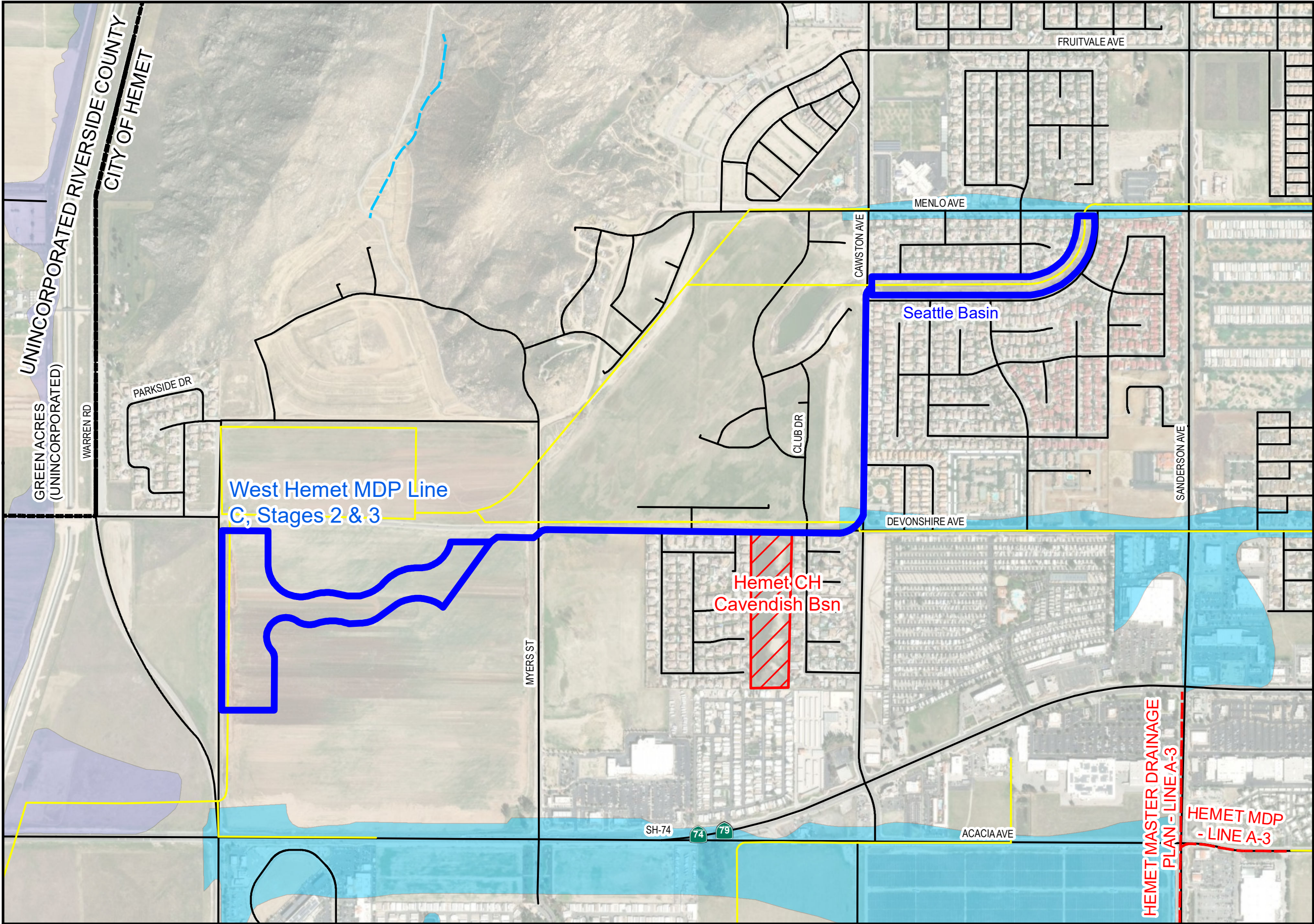
**Engineer**

A. Wells

Date Created

**6/3/2024**





**Description**

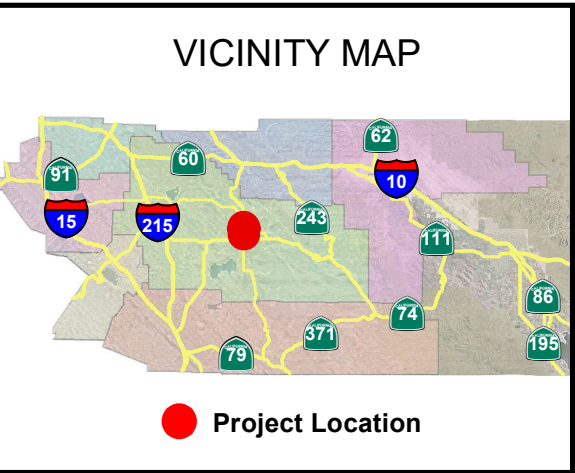
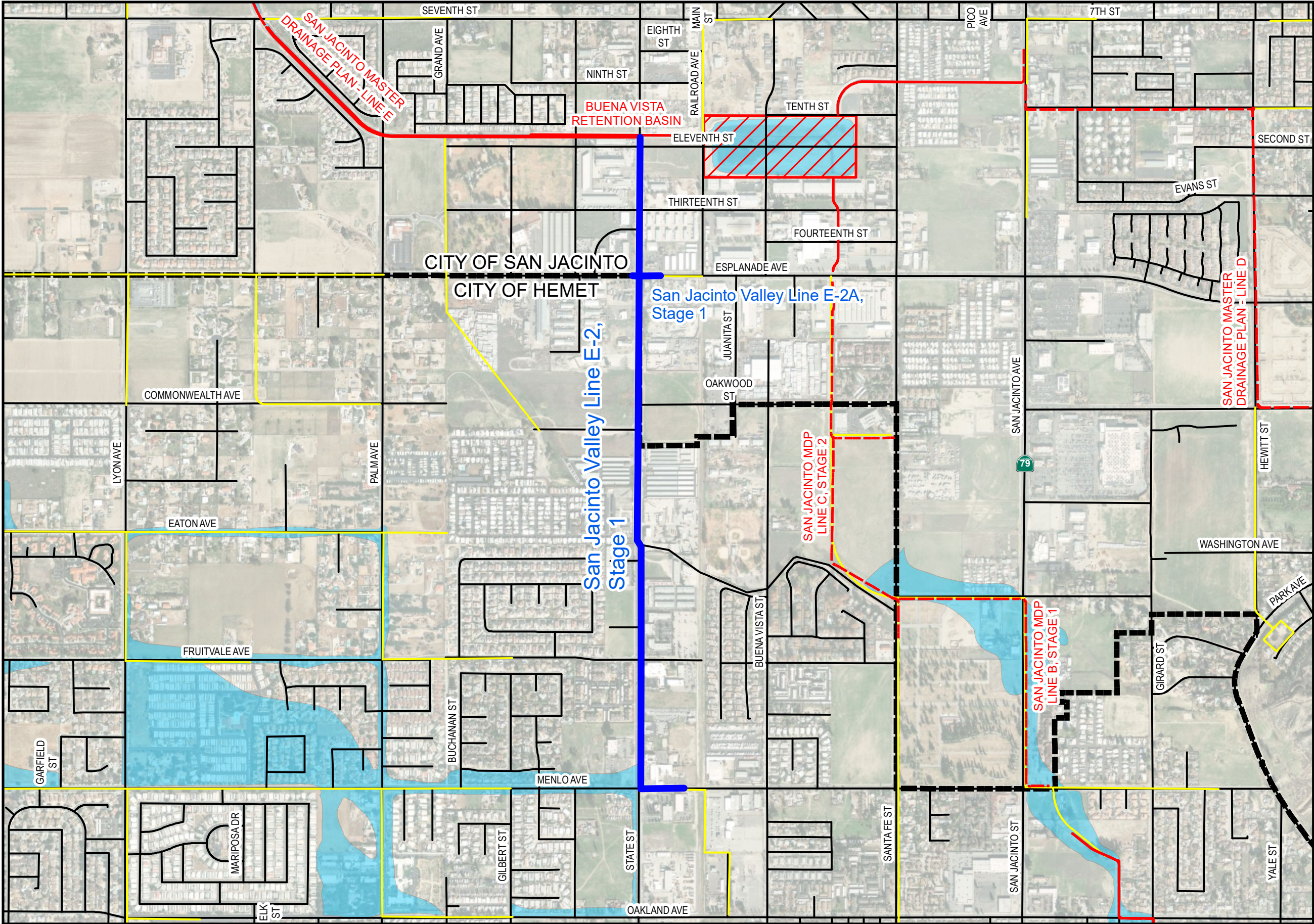
This is a City of Hemet-led project consists of approximately 4,700-feet of primarily earthen open channel that will convey runoff from the existing City-maintained Seattle Basin southerly along Cawston Avenue and westerly along Devenshire Avenue to just east of Myers Street. The District will be responsible for operation and maintenance of the facility after the construction of an adequate outlet to the Line C system. The City will be responsible for maintenance of the system in the interim condition.

**Legend**

- West Hemet MDP Line C, Stages 2 & 3
- Existing Below Ground District Facilities
- Existing Facilities Area
- Un-budgeted District Facilities
- Natural Flowlines
- City Boundary
- FEMA Floodplain
- Flood Hazard Area

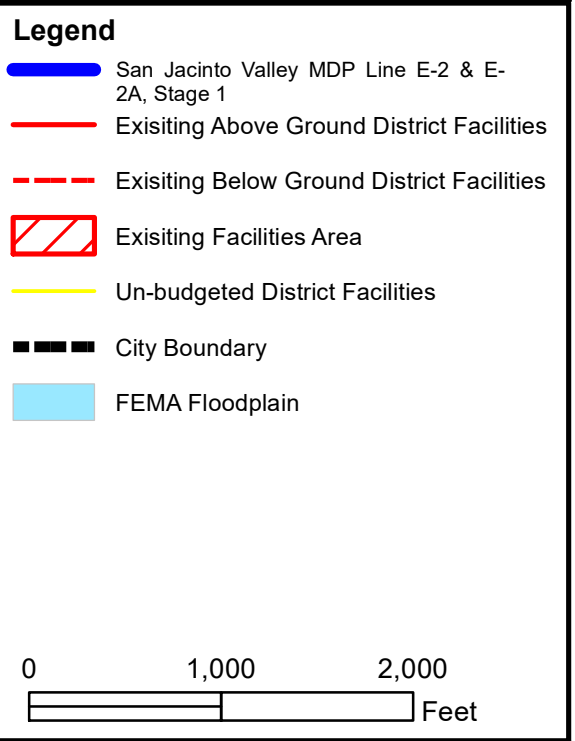
0 800 1,600 Feet



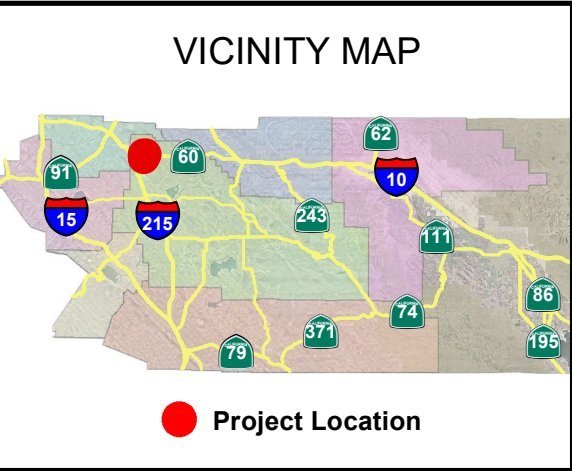
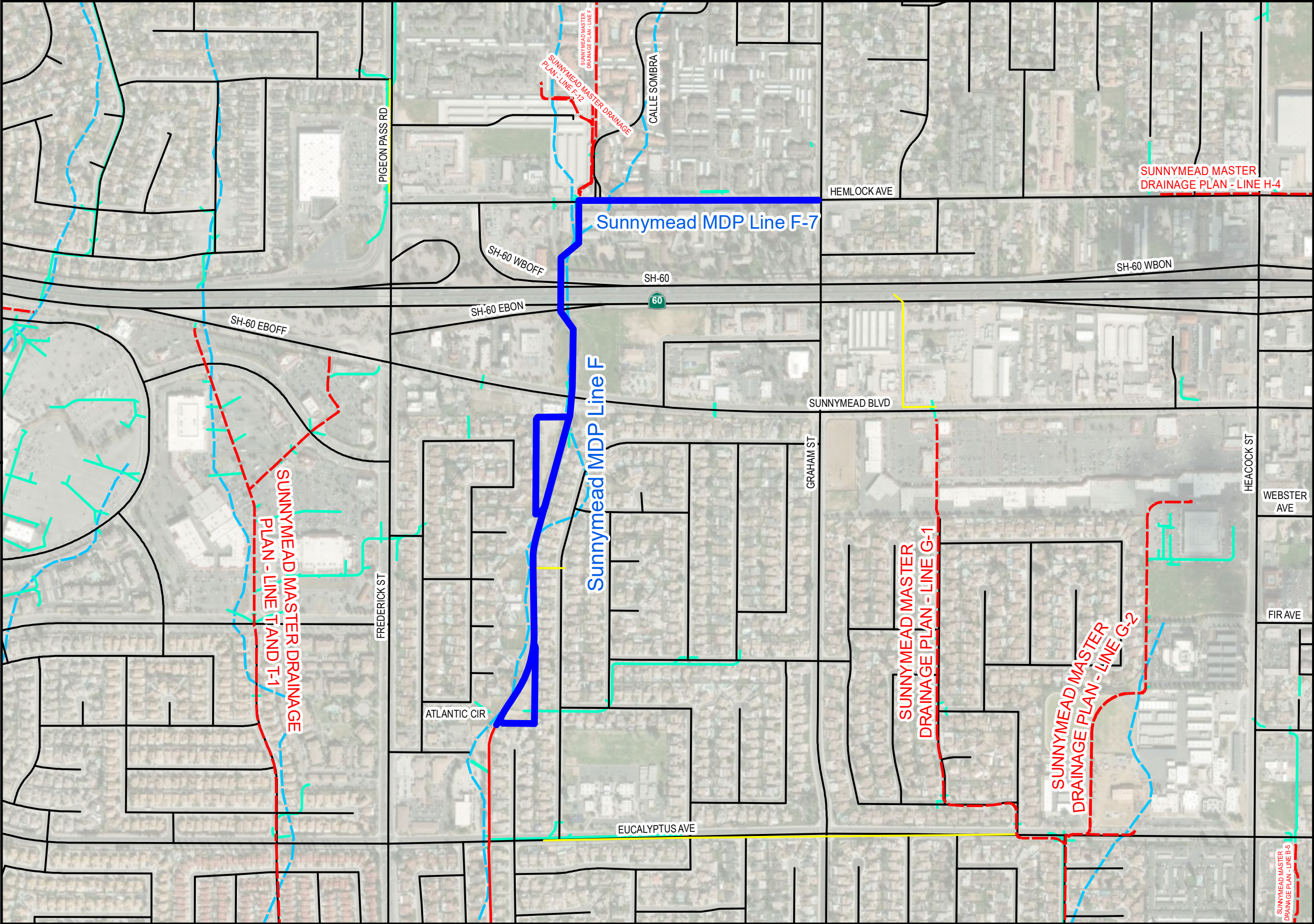


### Description

This is a City of San Jacinto-led project to provide flood protection to properties along State Street. The project consists of an underground storm drain ranging in pipe diameter from 30 inches to 72 inches that will collect 100-year storm runoff beginning in Menlo Avenue approximately 600 feet east of State Street and convey it north through State Street to the existing San Jacinto Line E improved channel. The approximate length of the facility is 7,000 feet. The District and City will share operation and maintenance responsibilities based on storm drain sizing.

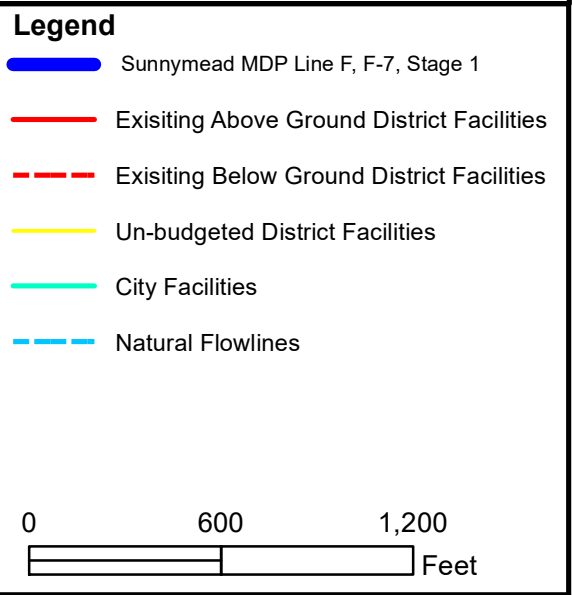




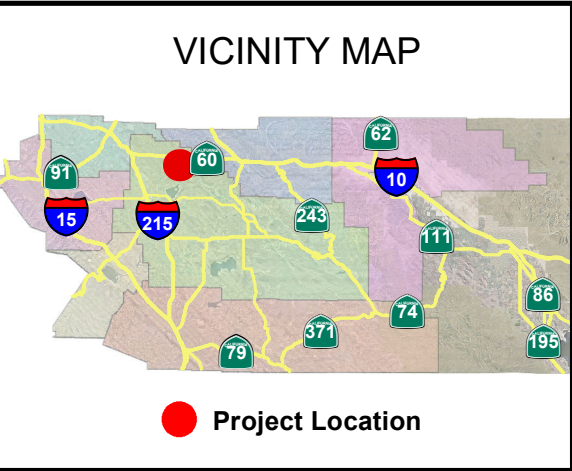
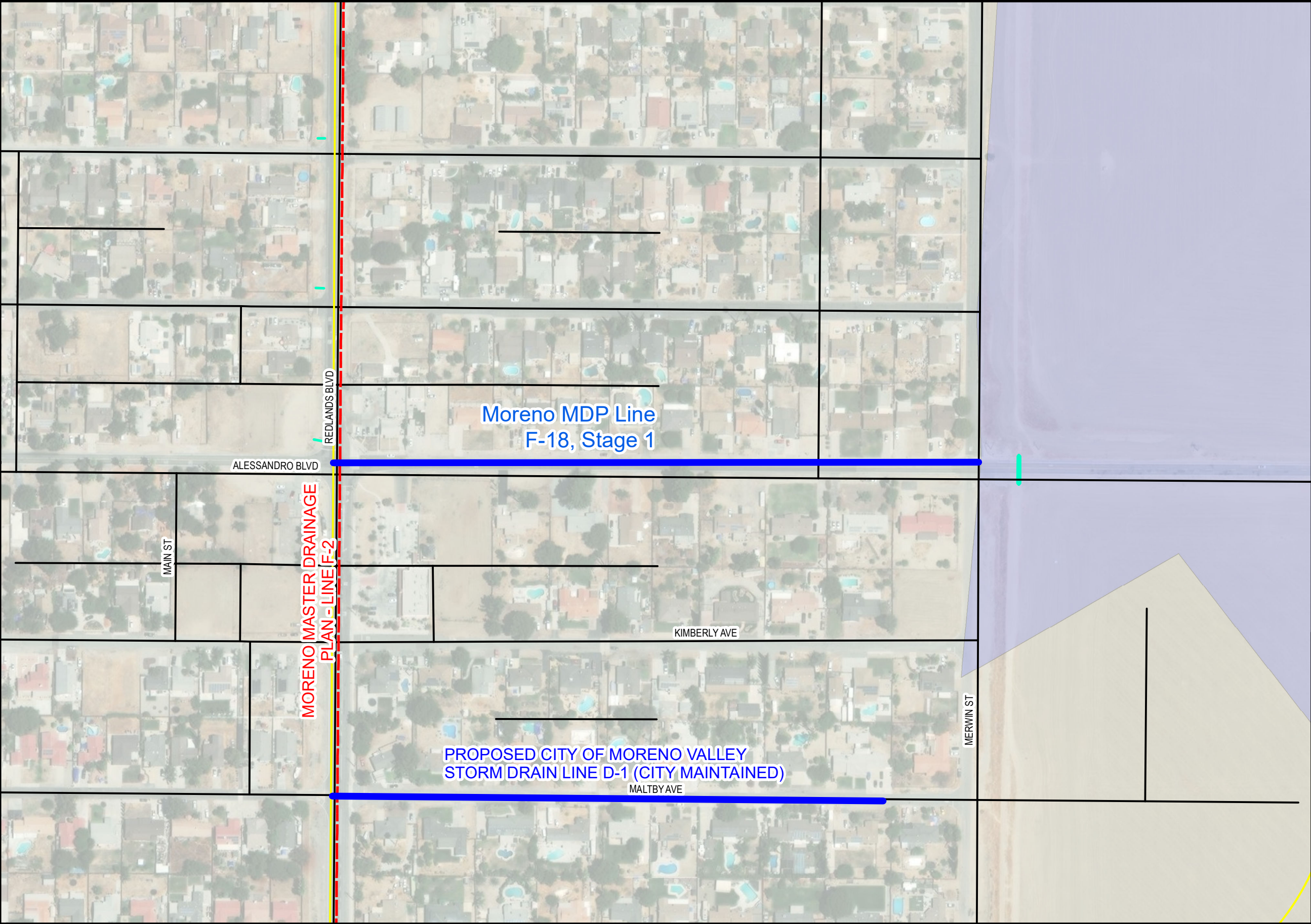


**Description**

This City of Moreno Valley-led project will reduce flooding for the homes and apartments along Hemlock Avenue, the businesses on Sunnymead Boulevard, and homes and local streets between Sunnymead Boulevard and Eucalyptus Avenue. The project will begin north of the 60 Freeway near Hemlock Avenue and Graham Street and extend westerly in an underground storm drain to Calle Sombra, where it will turn south under the 60 Freeway. South of the 60 Freeway, the project transitions to an open channel that continues south along the existing wash until it discharges to the existing channel east near Atlantic Circle. The overall project is 5,000 feet. The project also includes two small detention basins to attenuate flows south of Sunnymead Boulevard. The District will be responsible for operation and maintenance of the facility.

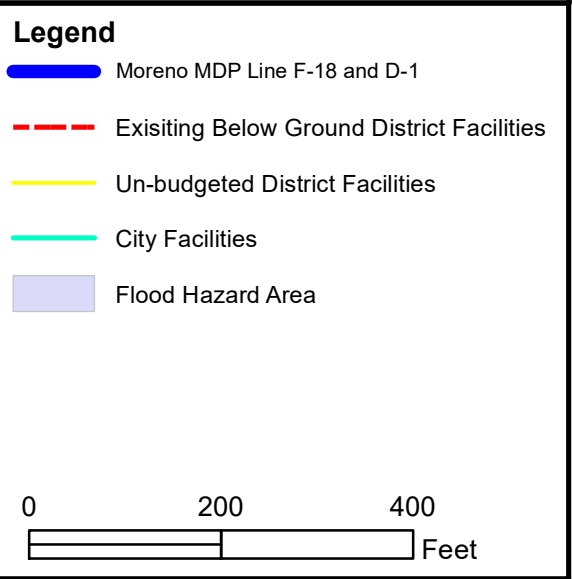




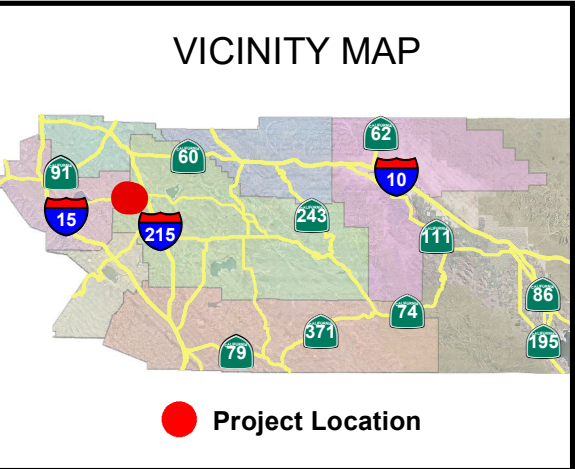
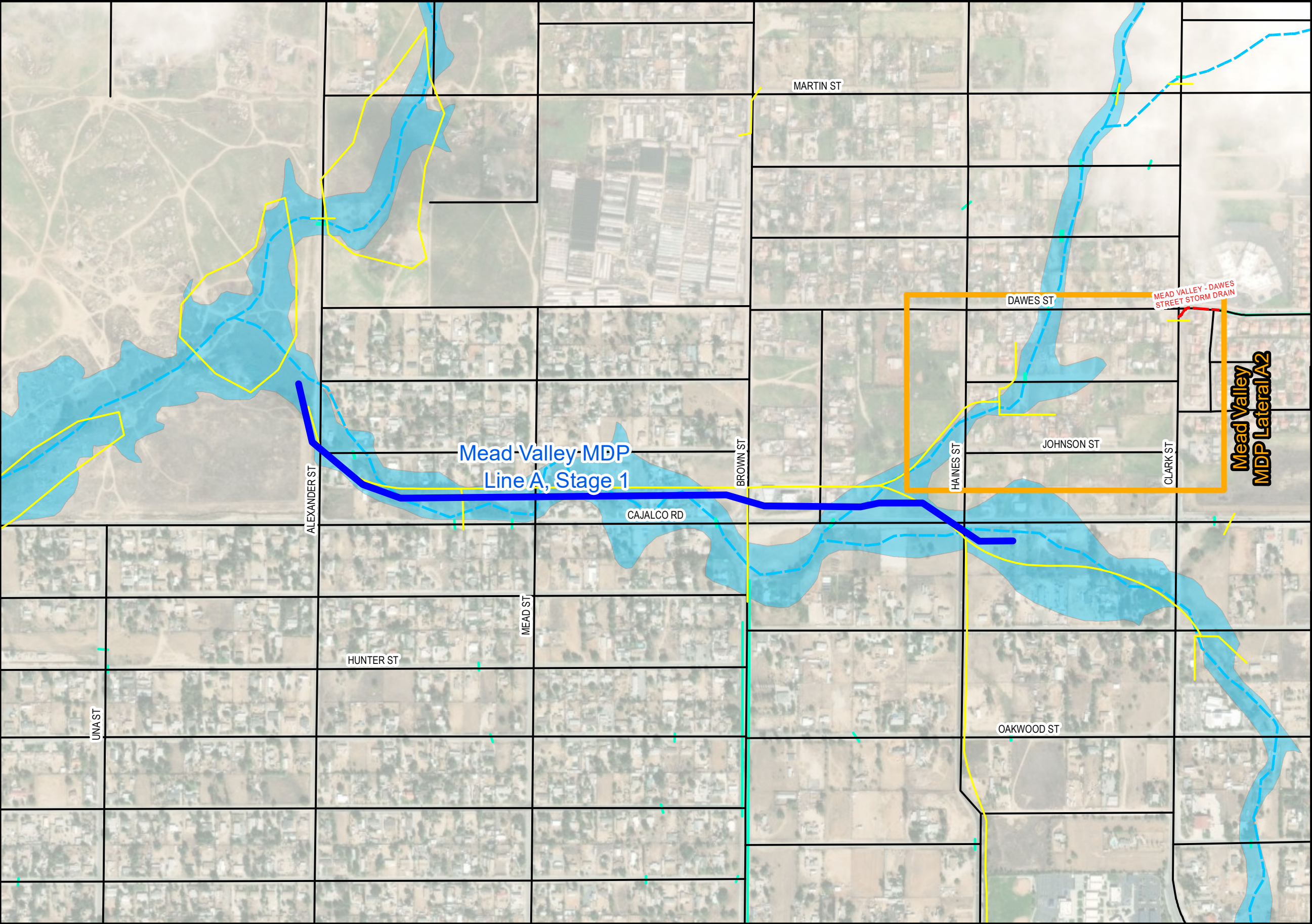


**Description**

This City of Moreno Valley (City)-led project includes Master Drainage Plan (MDP) Line F-18 and City Line D-1. Line F-18 is approximately 1,300 feet of reinforced concrete pipe (RCP) and will capture flows from Alessandro Boulevard starting at Merwin Street and convey flows toward Redlands Boulevard, connecting into the existing MDP Line F-2. City Line D-1 is approximately 1,100 feet of RCP and will capture flows from Maltby Avenue and convey flows toward Redlands Boulevard, connecting into existing MDP Line F-2. This project will provide flood protection to the listed streets and the surrounding residences. The District will be responsible for the operation and maintenance of the Line F-18 facility, and Line D-1 will be operated and maintained by the City.

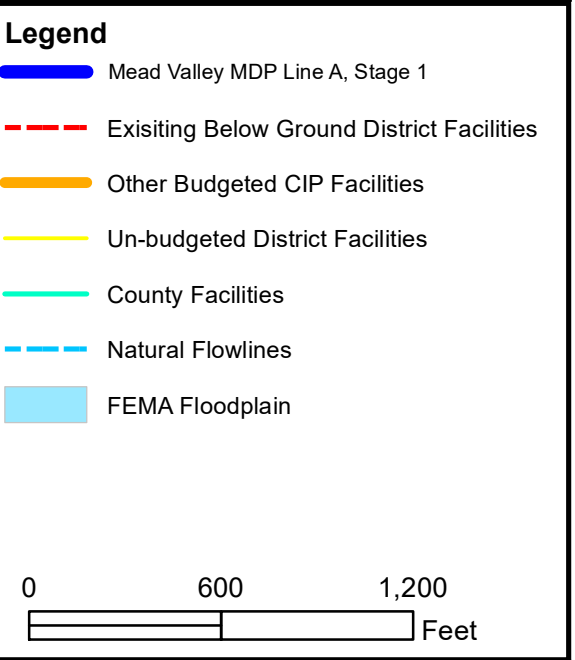




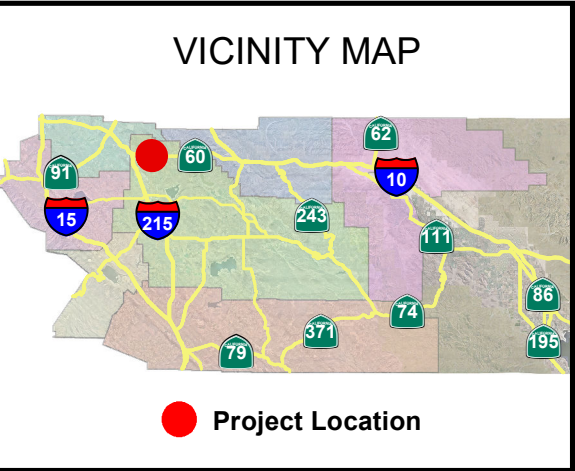
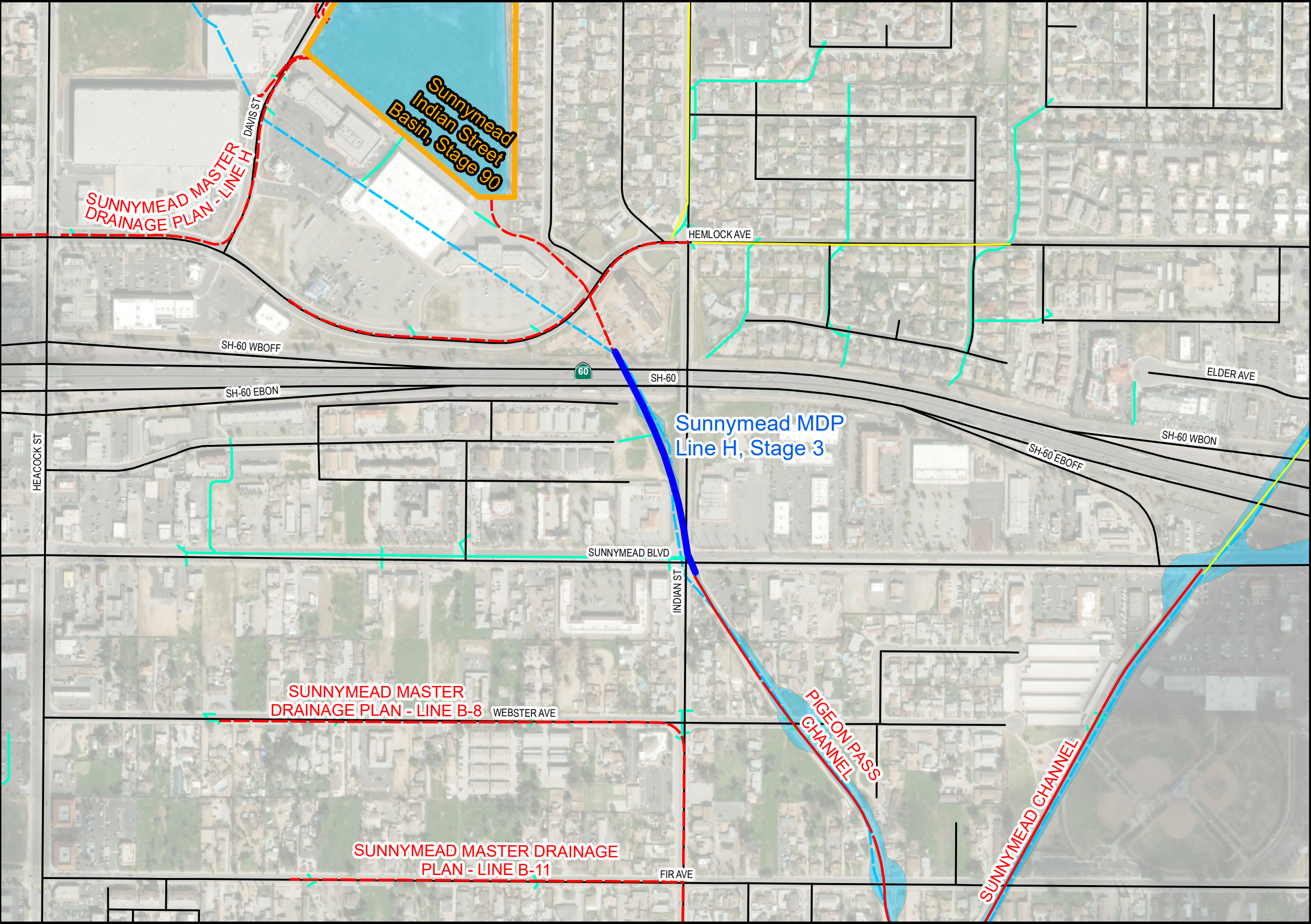


### Description

This is a County Transportation Department-led project to provide flood protection as an integrated component of their Cajalco Road Widening and Safety Enhancement Project. The project will ultimately construct a 3,000 feet storm drain facility from Brown Street to Alexander Street. Once constructed, it will also enable the District to pursue other upstream drainage systems, including Lateral A-2 project identified separately in this CIP (project 4-8-09118). The District will be responsible for the operation and maintenance of the facility.







**Description**

The City of Moreno Valley-led project will collect flows from the existing culverts under the 60 Freeway just west of Indian Street and convey them southeasterly to the existing District Pigeon Pass Channel near the intersection of Sunnymead Boulevard and Indian Street. This project will provide flood protection to the area and may clean up an existing Federal Emergency Management Agency floodplain located along the project alignment. The District will be responsible for operation and maintenance of the facility.

**Legend**

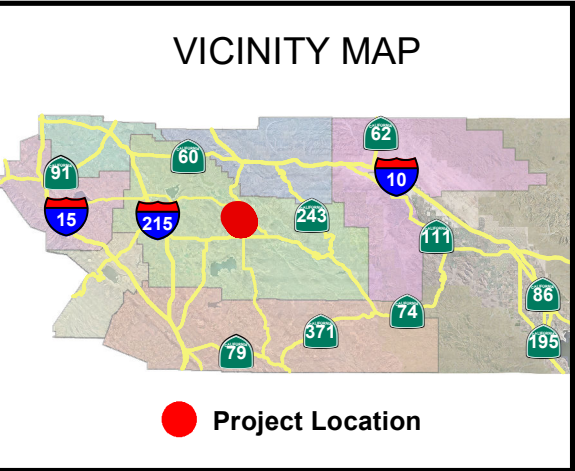
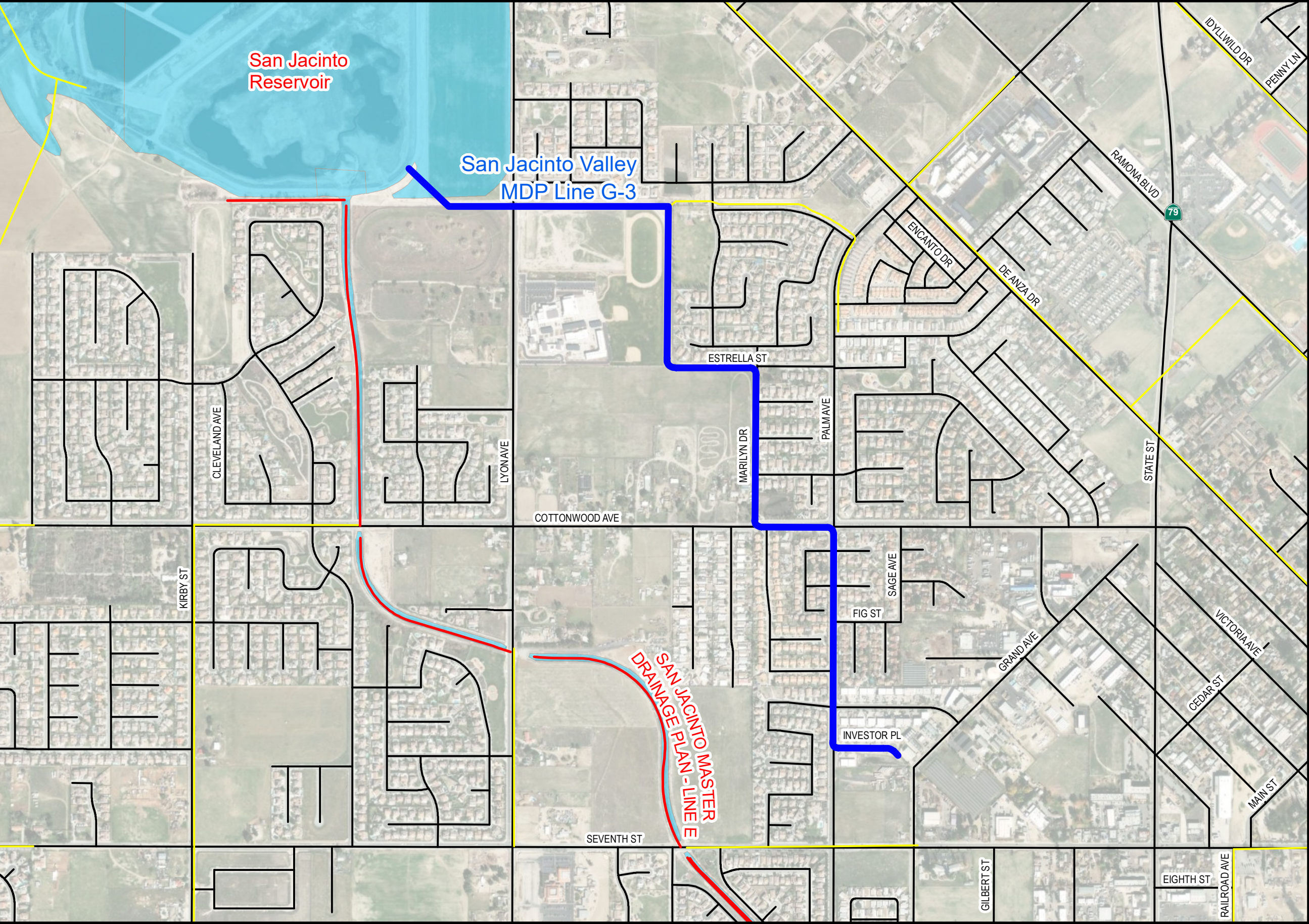
- Sunnymead MDP Line H, Stage 3
- Existing Above Ground District Facilities
- Existing Below Ground District Facilities
- Other Budgeted CIP Facilities
- Un-budgeted District Facilities
- City Facilities
- Natural Flowlines
- FEMA Floodplain

0 400 800 Feet









**Description**

The City of San Jacinto-led project proposes approximately 1,100 feet of 20"W x 5.5'H rectangular channel and two 2-cell 10'W x 5'H reinforced concrete box system. The project will collect flows from an area east of Palm Avenue and Investor Place and convey them northwesterly into the San Jacinto Reservoir owned by Eastern Municipal Water District. The project will provide flood protection and an adequate outlet for development in the surrounding area. The District will be responsible for operation and maintenance of the facility.

**Legend**

- San Jacinto Valley MDP Line G-3
- Existing Above Ground District Facilities
- Un-budgeted District Facilities
- FEMA Floodplain

0 800 1,600 Feet



# ZONE 4

VACANT, 5<sup>th</sup> District

KEN GRAFF, 3<sup>rd</sup> District

BRAD SCOTT, 1<sup>st</sup> 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 2023–2024

JULY 1, 2023 \$71,855,776

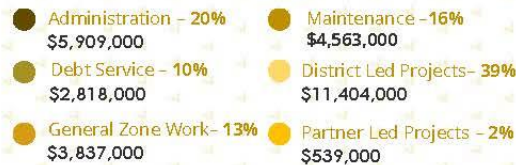
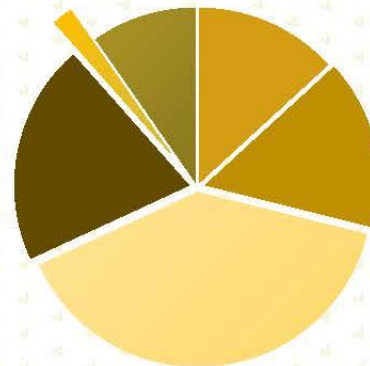
JUNE 30, 2024 \$80,291,627

## Property Taxes (5 year trend)



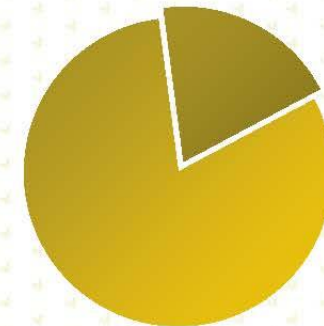
## Uses

(How the money is used)  
TOTAL \$29,070,000



## Sources

(Where the money comes from)  
TOTAL \$37,506,000





# ZONE 4

VACANT, 5<sup>th</sup> District

KEN GRAFF, 3<sup>rd</sup> District

BRAD SCOTT, 1<sup>st</sup> District

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

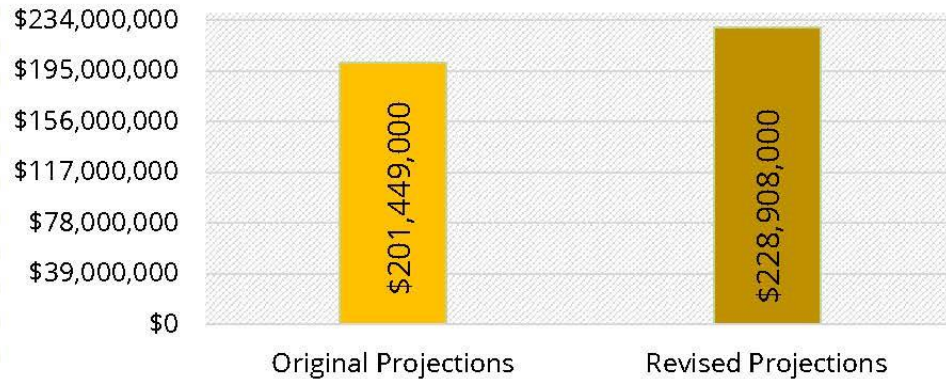
The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

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



**Forecasting  
FY25-26 thru FY29-30**

## Original Projections vs. Revised Projections Additional Funding Available



**Projected  
Increase in  
Funding  
\$27,459,000**



**5<sup>th</sup> Year  
Added  
Funding  
\$25,234,000**

**Forecasting \$52,693,000 funding to be available for Cost Increases  
on Existing Projects and New Requests**



**Active Projects (Year 1)**

1. Sunnymead MDP Line F, F-7, Stage 1
2. San Jacinto Valley MDP Line G-3
3. Sunnymead MDP Line B-16A, Stage 2
4. San Jacinto Valley MDP Line E-2 & E-2A, Stage 1
5. Green Acres Dam
6. Hemet - South Dartmouth Street Storm Drain, Stage 1
7. San Jacinto Valley MDP Line J, Stage 2
8. Romoland MDP Line A-3, Stages 4 & 5
9. West Hemet MDP Line C, Stages 2 & 3
10. Lakeview-Nuevo MDP Lateral A Stg 1 and Lateral B Stg 1
11. Sunnymead MDP Line H, Stage 3
12. Good Hope-Olive Avenue Storm Drain, Stage 1
13. Menifee Valley - Azusa Channel
14. Romoland MDP Lateral A-8a
15. Metz Road Lateral Storm Drain
16. Perris Valley Channel Lateral B, Stage 4
17. Little Lake MDP Line B, Stage 2
18. Mead Valley MDP Line A, Stage 1
19. Moreno MDP Sinclair Basin, Stage 1
20. Mead Valley MDP Lateral A2
21. San Jacinto River, Stage 3
22. Sanderson Culvert Repair
23. Parkside Minor Drainage Improvement
24. Lakeview-Nuevo MDP Laterals D & E
25. Moreno MDP Line K and Debris Basin, Stage 2
26. Moreno MDP Line F-18, Stage 1

**Future Projects (Year 2-5)**

1. Perris Valley Channel, Stage 2
2. Perris Valley MDP Line E, Stage 5
3. Sunnymead - Cactus Ave Channel, Stage 1
4. Sunnymead Indian Street Basin, Stage 90
5. Perris Valley MDP Line H-12
6. Holland Channel-Briggs Road Culvert
7. Perris Valley MDP Line B-1 Ext, Stage 4
8. Murrieta & Garbani Undercrossing
9. Sunnymead Line A-1
10. Chambers Street & Lyons Avenue Storm Drain
11. Chambers Avenue Drainage Improvements
12. San Jacinto MDP Line H

**Legend**

**CIP Projects**

- Active Projects (Year 1)
- Future Projects (Year 2-5)
- RCFC Zone Boundary
- City Limits

**RCFC Zone 4 Five-Year CIP Projects**  
**Fiscal Years 2024-2029**

Updated 9/17/2024  
0 1 2 Miles  
Not To Scale





# Zone 4 CIP Budget Hearing

December 12, 2024



## **For attendees participating via TEAMS:**

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

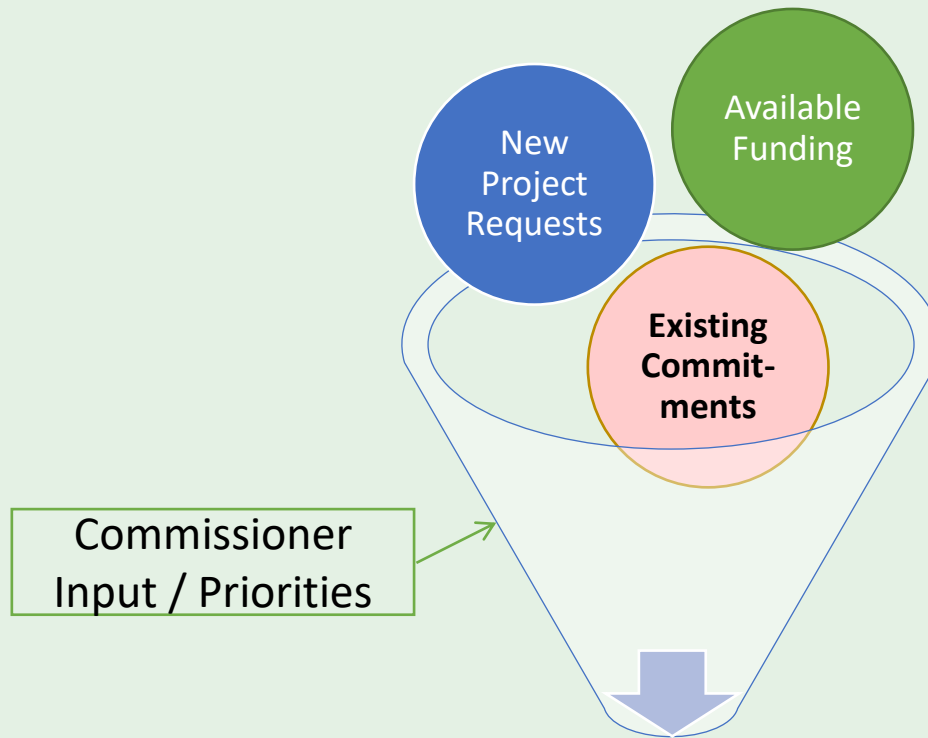




Hearing

New  
Project  
Requests

# Hearing



District Staff Evaluate projects, costs, funding

# Workshop







Available  
Funding

**Darrylenn Prudholme-Brockington**

Chief of Finance

# ZONE 4

VACANT, 5<sup>th</sup> District

KEN GRAFF, 3<sup>rd</sup> District

BRAD SCOTT, 1<sup>st</sup> 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 2023–2024

JULY 1, 2023 \$71,855,776

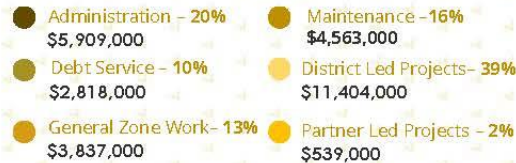
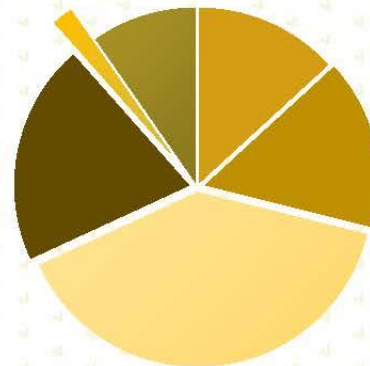
JUNE 30, 2024 \$80,291,627

## Property Taxes (5 year trend)



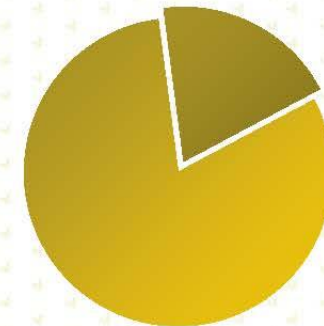
## Uses

(How the money is used)  
TOTAL \$29,070,000



## Sources

(Where the money comes from)  
TOTAL \$37,506,000





# ZONE 4

VACANT, 5<sup>th</sup> District

KEN GRAFF, 3<sup>rd</sup> District

BRAD SCOTT, 1<sup>st</sup> District

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

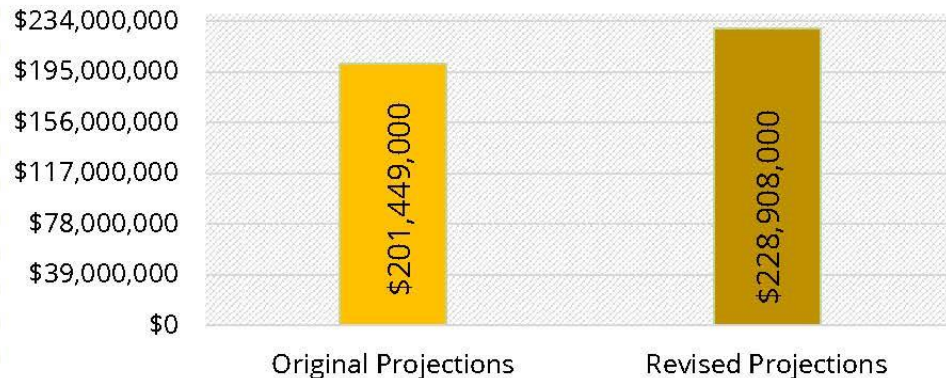
The district must consider public safety above all else, but also strive to develop the most economical project possible consistent with this obligation.

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



Forecasting  
FY25-26 thru FY29-30

## Original Projections vs. Revised Projections Additional Funding Available




Projected  
Increase in  
Funding  
\$27,459,000



5<sup>th</sup> Year  
Added  
Funding  
\$25,234,000

Forecasting \$52,693,000 funding to be available for Cost Increases  
on Existing Projects and New Requests





**Existing  
Commitments**



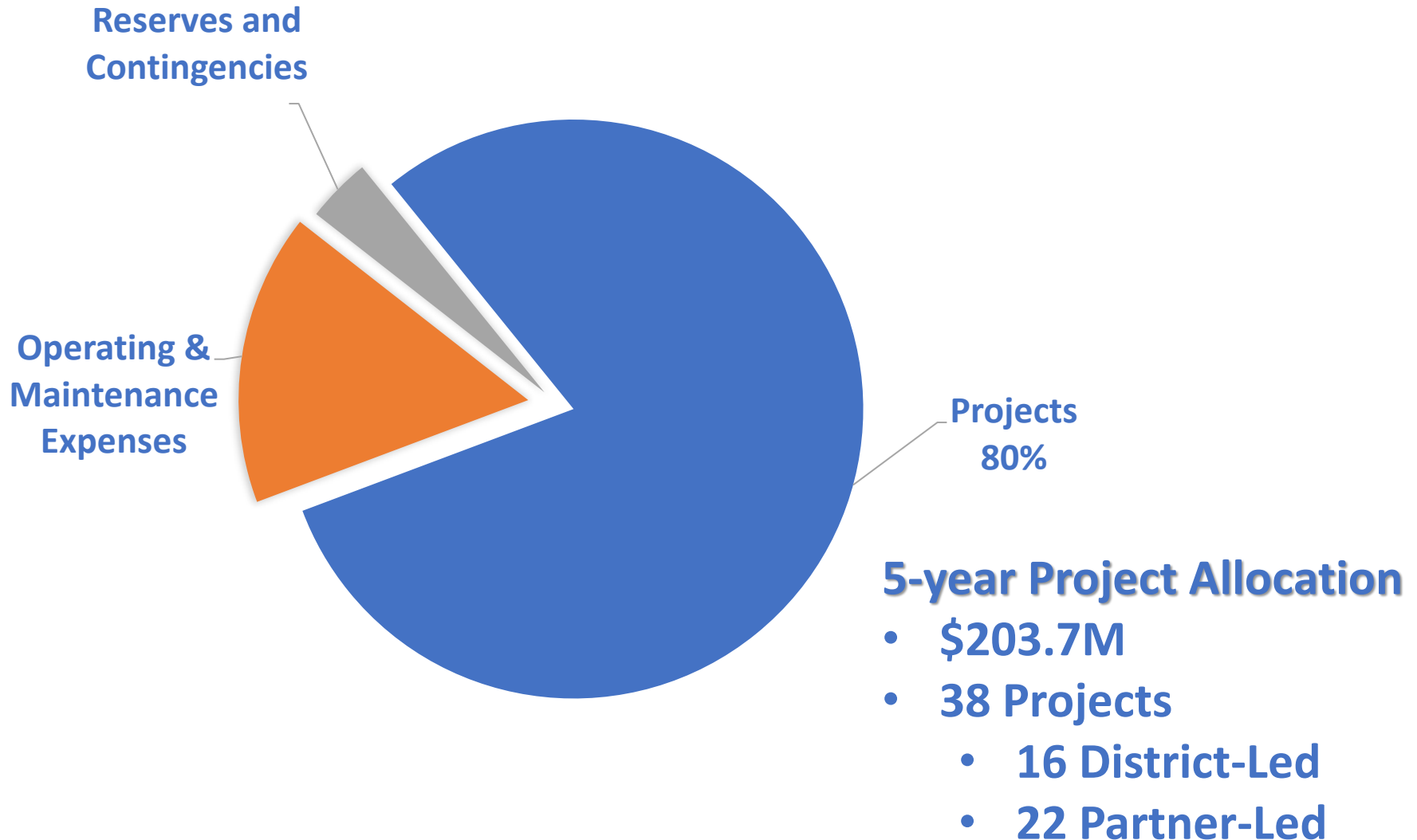
**District Projects**



**Komy Ghods**  
Chief of Design



# 5-Year Allocations per CIP





**RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT  
DISTRICT LED PROJECT SUMMARY - ZONE 4  
FISCAL YEARS 2024-25 THROUGH 2028-29**

Project Number	Stg No.	Project Title	Project Cost	Appropriations		Funding Sources (5-Year Total)			Total NOT
			Total Remaining Cost	FY 2024-25	FY 2026-29	Tax Revenue	ADP Contribution	External Contribution	District Funded
DESIGN & CONSTRUCTION PROJECTS									
4-8-00009	04	PERRIS VALLEY LATERAL B	\$16,186,832	\$4,678,792	\$11,508,039	\$14,886,832	\$0	\$1,300,000	\$0
4-8-00219	01	HEMET - SOUTH DARTMOUTH ST SD	666,983	100,000	566,983	666,983	0	0	0
4-8-00265	02	LITTLE LAKE MDP LINE B STG 2	13,306,778	507,502	12,799,276	13,306,778	0	0	0
4-8-00322	90	LAKEVIEW NUEVO MDP LATERAL A	3,928,662	302,708	3,625,954	3,928,662	0	0	0
4-8-00330	00	GREEN ACRES DAM	16,276,180	470,000	9,006,180	9,476,180	0	0	(6,800,000) †
4-8-00331	01	LAKEVIEW/NUEVO MDP LATS D & E	14,210,854	1,344,088	12,866,766	14,187,178	23,676	0	0
4-8-00366	00	MENIFEE VALLEY - AZUSA CHANNEL	4,397,309	100,000	4,297,309	1,997,309	0	2,400,000	0
4-8-00425	01	GOOD HOPE-OLIVE AVENUE SD	20,724,368	1,767,161	18,957,207	20,324,368	0	400,000	0
4-8-00431	04	ROMOLAND MDP LINE A-3	10,301,270	10,301,270	0	10,300,099	1,171	0	0
4-8-00735	90	SUNNYMEAD-INDIAN STREET BASIN	1,297,042	0	1,297,042	1,297,042	0	0	0
DESIGN & CONSTRUCTION PROJECTS			\$101,296,278	\$19,571,521	\$74,924,756	\$90,371,431	\$24,847	\$4,100,000	(\$6,800,000)
PLANNING PROJECTS									
4-8-00020	03	SAN JACINTO RIVER	\$800,000	\$399,520	\$400,480	\$800,000	\$0	\$0	\$0
4-8-00770	01	MORENO MDP SINCLAIR BASIN	11,260,000	11,260,000	0	11,260,000	0	0	0
4-8-09118	00	MEAD VALLEY MDP LATERAL A2	10,000,000	50,000	0	50,000	0	0	(9,950,000) †
4-8-00010	02	PERRIS VALLEY CHANNEL	1,276,172	0	1,276,172	0	1,276,172	0	0
4-8-00486	04	PERRIS VALLEY MDP LN B-1 EXT	302,102	0	302,102	302,102	0	0	0
4-8-09115	00	PERRIS VALLEY MDP LINE H-12	845,054	0	845,054	845,054	0	0	0
PLANNING PROJECTS			\$24,483,328	\$11,709,520	\$2,823,808	\$13,257,156	\$1,276,172	\$0	(\$9,950,000)
ZONE 4 DISTRICT LED PROJECT TOTALS			\$125,779,606	\$31,281,041	\$77,748,564	\$103,628,587	\$1,301,019	\$4,100,000	(\$16,750,000)

1 - District unfunded balance

2 - Cost share - Funded by third party

**FIVE-YEAR CIP SUMMARY**

<b>FUND BALANCE FORWARD - JULY 1, 2024:</b>	<b>\$70,051,731</b>
<b>REVENUE:</b>	
Taxes	\$161,438,860
Interest	\$3,074,241
ADP Fees	\$200,000
Rental	\$73,500
<b>Subtotal Revenue</b>	<b>\$164,786,601</b>
External Contribution	\$20,304,000
<b>Total Five Year Revenue</b>	<b>\$185,090,601</b>
<b>Total Funds Available</b>	<b>\$255,142,332</b>

<b>APPROPRIATIONS:</b>	
District Led Project Appropriations	\$109,029,605
Partner Led Project Appropriations	\$94,165,466
Miscellaneous Watershed Protection Projects	\$500,000
Capital Project Cost Inflation	\$3,270,888
Operating & Maintenance Expenses	\$41,383,762
Contingencies	\$3,084,739
Debt Service Payments	\$2,818,875
<b>Total Five Year Appropriations</b>	<b>\$254,253,335</b>
<b>ENDING FUND BALANCE - JUNE 30, 2029:</b>	<b>\$888,997</b>

Existing Commitments



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT  
PARTNER LED PROJECT SUMMARY - ZONE 4  
FISCAL YEARS 2024-25 THROUGH 2028-29

Project Number	Stg No.	Project Title	Project Cost	Appropriations				Funding Sources			Total NOT District Funded
			Total	FY 2024-25		FY 2026-29		5-Year Total			
			Remaining Cost	District Direct Cost	Contribution to Partner Agency	District Direct Cost	Contribution to Partner Agency	Tax Revenue	ADP Contribution	External Contribution	
PARTNER LED CONTRIBUTION PROJECTS											
4-6-10001	00	PARKSIDE MINOR DRAINAGE IMPROV	\$240,500	\$0	\$220,458	\$0	\$20,042	\$240,500	\$0	\$0	\$0
4-6-10002	00	SANDERSON CULVERT REPAIR	175,000	0	175,000	0	0	175,000	0	0	0
4-6-10004	00	ROMOLAND MDP LATERAL A-8a	409,000	0	100,000	9,000	300,000	409,000	0	0	0
4-8-00081	00	METZ ROAD LATERAL STORM DRAIN	550,000	50,000	100,000	0	400,000	550,000	0	0	0
4-8-00614	02	SUNNYMEAD MDP LINE B-16A	200,000	0	200,000	0	0	200,000	0	0	0
4-8-00767	02	MORENO MDP LN K & DEBRIS BASIN	16,060,613	0	3,500,000	60,613	0	3,560,613	0	0	(12,500,000) <sup>2</sup>
4-6-10003	00	MURRIETA & GARBANI UNDERCRSSNG	910,000	0	0	0	674,000	674,000	0	0	(236,000) <sup>2</sup>
4-8-09120	00	CHAMBERS AVE DRAINAGE IMP	1,260,000	0	0	0	810,000	810,000	0	0	(450,000) <sup>2</sup>
4-8-09122	00	SAN JACINTO MDP LINE H	6,116,533	0	0	100,000	5,000,000	5,100,000	0	0	(1,016,533) <sup>1</sup>
PARTNER LED CONTRIBUTION PROJECTS			\$25,921,646	\$50,000	\$4,295,458	\$169,613	\$7,204,042	\$11,719,113	\$0	\$0	(\$14,202,533)
PARTNER LED CAPITAL IMPROVEMENT PROJECTS											
4-8-00038	02	SAN JACINTO MDP LINE J	\$4,573,439	\$121,203	\$300,000	\$190,970	\$4,082,469	\$4,565,137	\$8,302	\$0	\$0
4-8-00235	03	WEST HEMET MDP LINE C	4,940,667	49,931	145,455	217,736	4,527,545	4,531,196	409,471	0	0
4-8-00251	01	SAN JACINTO MDP LNS E-2 & E-2A	8,380,351	360,720	8,000,000	19,631	0	8,380,351	0	0	0
4-8-00290	01	SUNNYMEAD MDP LINE F, F-7	10,586,750	725,000	1,900,000	61,750	4,500,000	5,334,857	1,851,893	0	(3,400,000) <sup>2</sup>
4-8-00403	01	MORENO MDP LINE F-18	4,564,526	50,362	3,722,430	125,067	666,667	4,564,526	0	0	0
4-8-00410	01	MEAD VALLEY MDP LINE A	9,152,758	1,000,000	0	758	8,152,000	9,152,758	0	0	0
4-8-00670	03	SUNNYMEAD MDP LINE H	3,475,000	0	99,863	475,000	2,900,137	3,475,000	0	0	0
4-8-09083	00	SAN JACINTO VALLEY MDP LN G-3	1,855,506	100,000	136,586	7,204	1,611,716	1,855,506	0	0	0
4-8-00013	01	SUNNYMEAD CACTUS AVE CHANNEL	26,373,109	0	0	26,373,109	0	10,169,109	0	16,204,000	0
4-8-00488	05	PERRIS VALLEY MDP LINE E	4,511,823	0	0	211,823	4,300,000	56,388	4,455,435	0	0
4-8-09053	00	SUNNYMEAD LINE A-1	2,565,000	0	0	60,000	2,505,000	2,565,000	0	0	0
4-8-09107	00	HOLLAND CH/BRIGGS RD CULVERT	25,545,221	0	0	4,461,221	0	4,461,221	0	0	(21,084,000) <sup>2</sup>
4-8-09116	00	CHAMBERS STREET & LYONS AVE SD	5,285,000	0	0	135,000	150,000	285,000	0	0	(5,000,000) <sup>1</sup>
PARTNER LED CAPITAL IMPROVEMENT PROJECTS			\$111,809,150	\$2,407,216	\$14,304,334	\$32,339,269	\$33,395,534	\$59,396,049	\$6,725,101	\$16,204,000	(\$29,484,000)
ZONE 4 PARTNER LED PROJECT TOTALS			\$137,730,796	\$2,457,216	\$18,599,792	\$32,508,882	\$40,599,576	\$71,115,162	\$6,725,101	\$16,204,000	(\$43,686,533)

1 - District unfunded balance

2 - Cost share - Funded by third party

Existing Commitments



**Zone 4**  
**Report to the Zone Commissioners**  
By Jason E. Uhley, General Manager-Chief Engineer  
November 2024

The District maintains a 5-year Capital Improvement Plan (CIP) which identifies projects that the District intends to fund over a 5-year period. Information on our overall CIP can be viewed at <https://rcflood.org/cip>.

This report has been prepared by District staff to provide a status update on CIP projects that are either completed or otherwise expected to be active during the current fiscal year.

### **Completed Projects**

These projects were recently completed and will not show on future updates to our 5-year CIP.

#### **Moreno MDP Line K-1, Stage 2 (4-8-00766-02)**

This City of Moreno Valley-led project consisted of an underground facility that will reduce flooding along Ironwood Street to the west of Pettit Street. The 1,600 feet of storm drain collects runoff arriving from north of Ironwood Avenue and conveys it west within Ironwood Avenue where it will discharge into the District's existing Line K floodplain between Moreno Beach Drive and Oliver Street. The District will be responsible for operation and maintenance of the facility. This project is funded by the fees collected from the Moreno Area Drainage Plan and a City of Moreno Valley acquired Federal Emergency Management Agency grant.

The construction completed was in May 2024, and the District is in the process of accepting the facility for operation and maintenance.

#### **Moreno MDP Sinclair Basin, Land Acquisition (4-8-00770-01)**

The District's Moreno Master Drainage Plan (MDP) relies on the construction of a large detention basin 'Sinclair Basin' north of CA-60 and east of Redlands Boulevard.

This project was solely for the acquisition of four parcels where the basin will be constructed in the future. The acquisition of these parcels has been completed. In future years, the District can consider funding to pursue design and construction of the basin based on priorities within the zone and available funding.

### **Current Construction**

These projects are under construction as of the preparation of this report.

#### **Sunnymead MDP Line B-16A, Stage 2 (4-8-00614-02)**

This is a City of Moreno Valley-led project to reduce flooding problems along Kitching Street and the surrounding community. Line B-16A will collect the 10-year runoff from Kalmia Street and convey it approximately 3,100 feet south within Kitching Street in an underground storm drain (24 inches to 36 inches) and will discharge into the existing District Sunnymead B-16A, Stage 1 storm drain located north of Ironwood Avenue. Implementation of the project may also reduce erosion and sediment accumulation along Kitching Street. The City of Moreno Valley will be responsible for operation and maintenance of the facility. This project is funded by the District.

The project design is complete, and the construction is estimated to start in fall 2024.

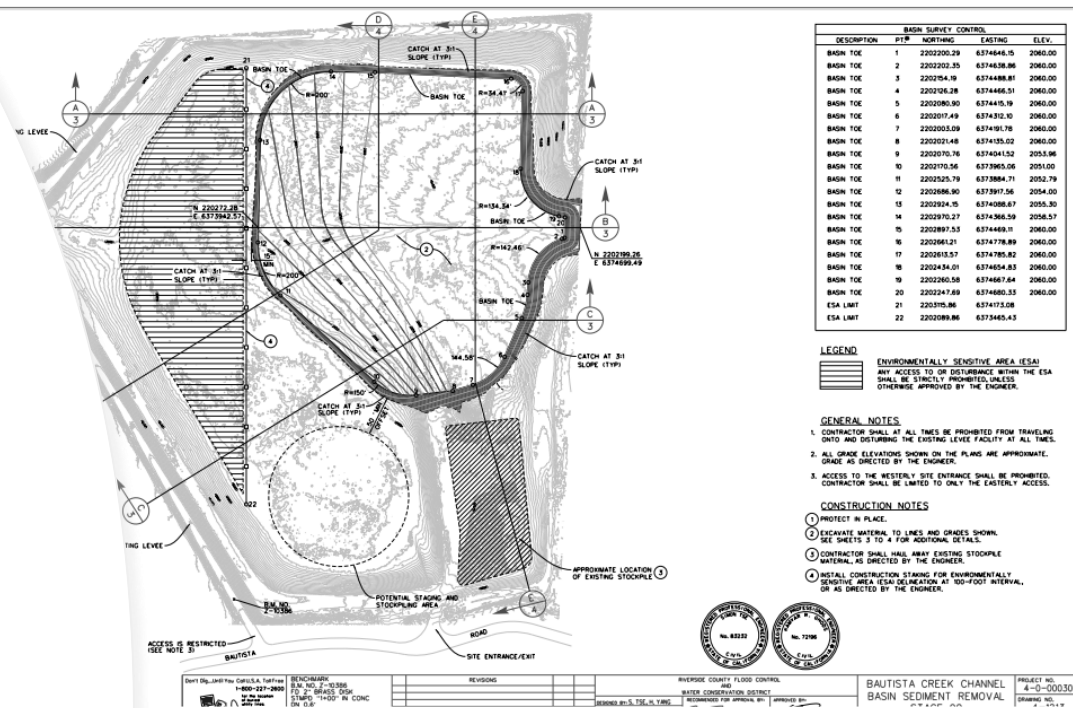


# Active Projects

Design and Construction



# Bautista Basins Restoration \$3.3M (4-0-00030)



# Potrero\SJR Levee Restorations \$1M (4-0-00021/25)







## Perris Lateral B, Stage 4 (4-8-0009)

- Estimated Cost: \$20.6M
- Cost share with MJPA
- 1 Mile Storm Drain
- Design complete, waiting on R/W permission from USACE

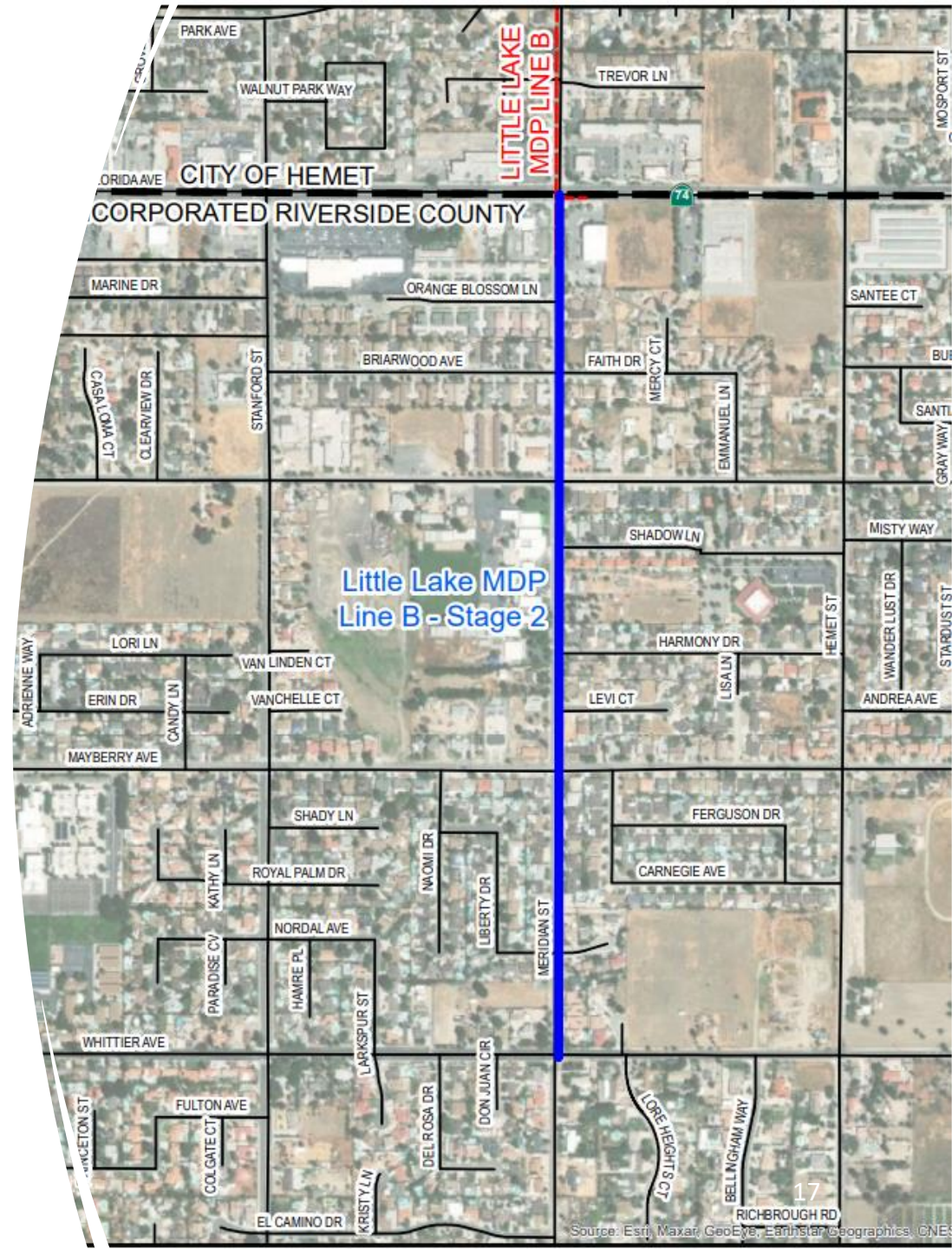
Existing Lateral B



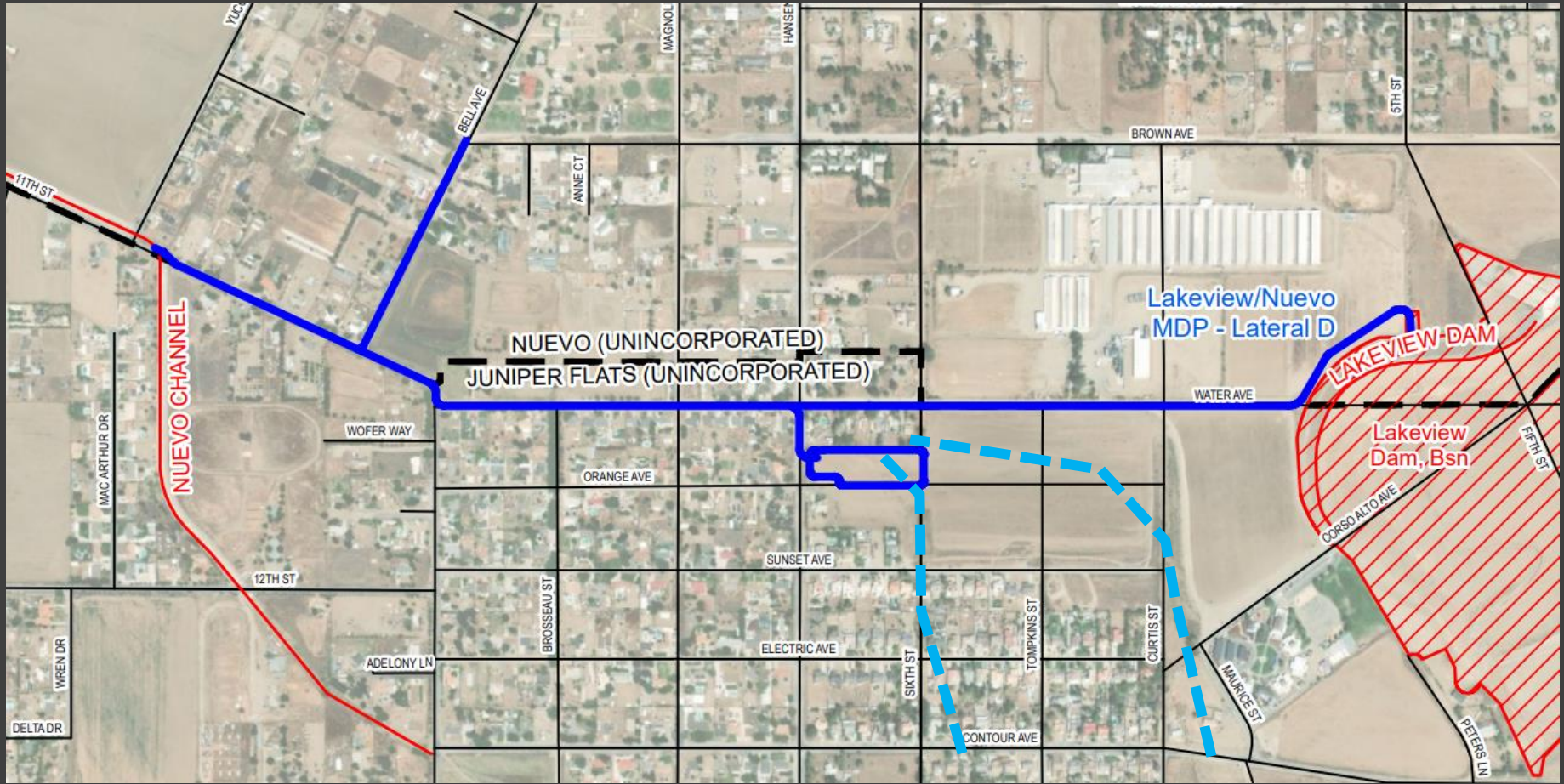
# Little Lake MDP Line B, Stage 2 (4-8-00265)

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- \$13M
- 90% Design
- Advertising mid 2025



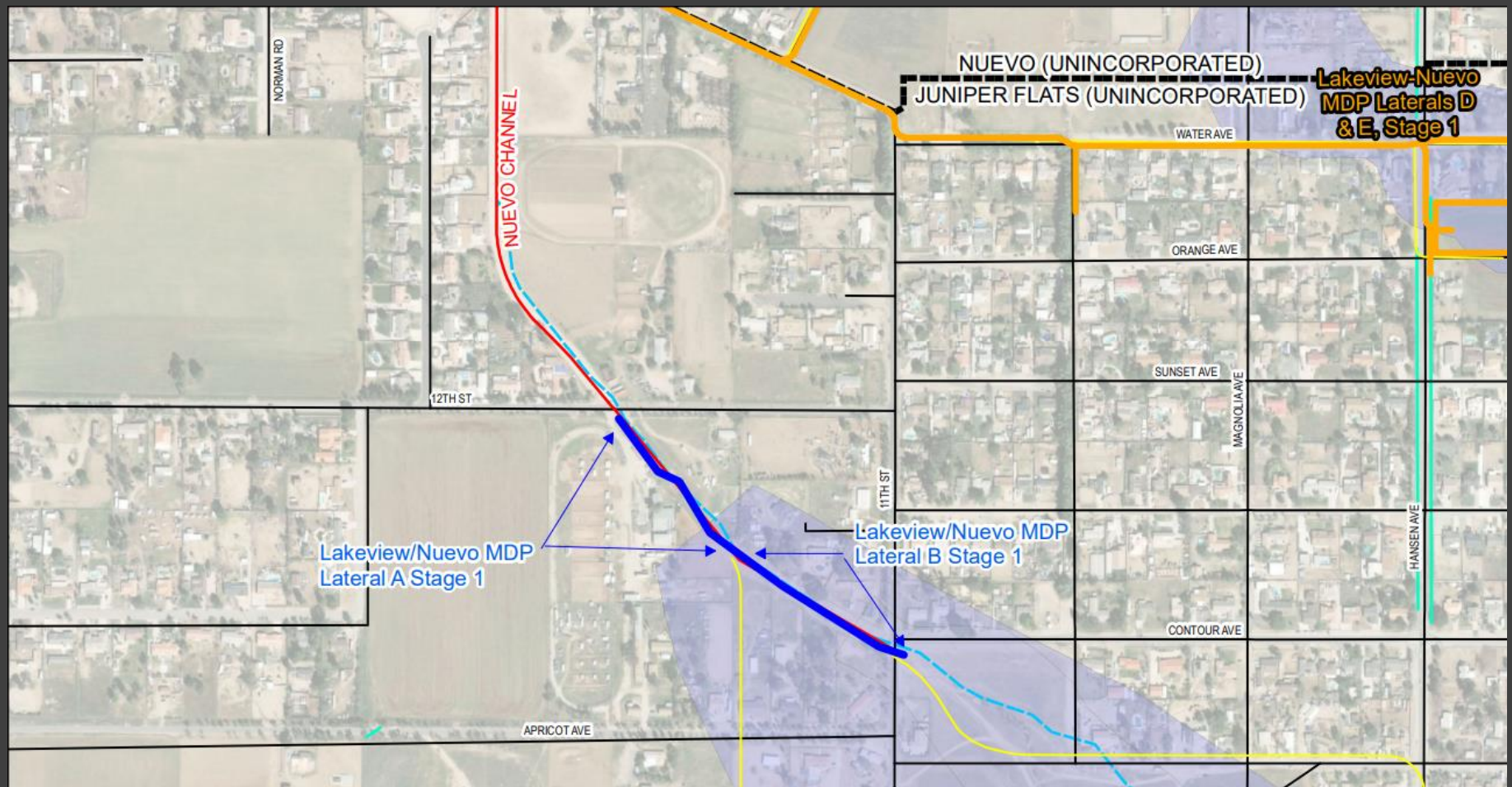




Lakeview-Nuevo  
Lateral D & E  
(4-8-00331)

- \$17.5M
- R/W negotiations underway
- Advertise 25/26

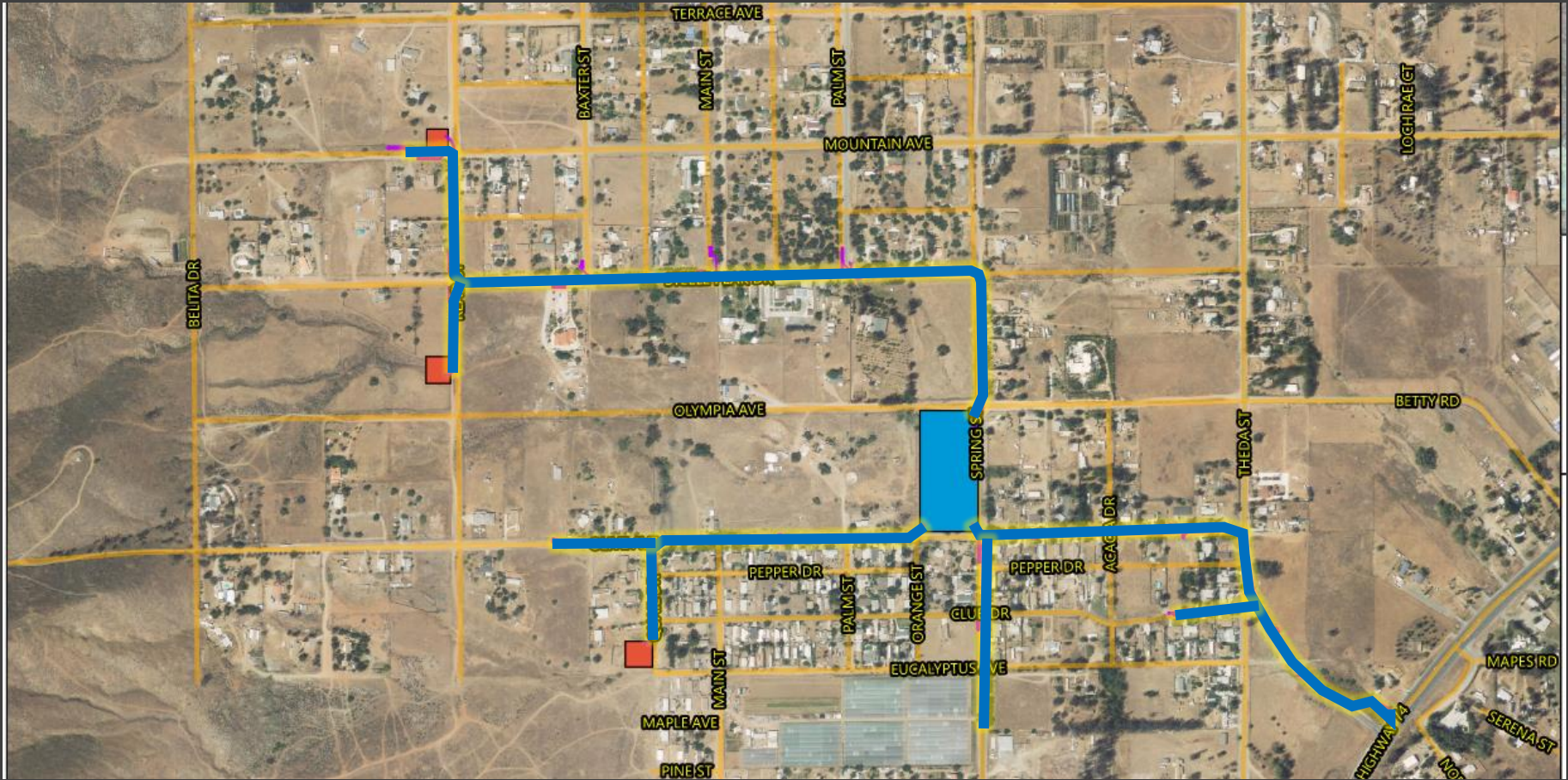




Lakeview-Nuevo  
Lateral A & B  
(4-8-00322)

- \$3M
- Charter Finalized
- Hiring Consultant Early 2025

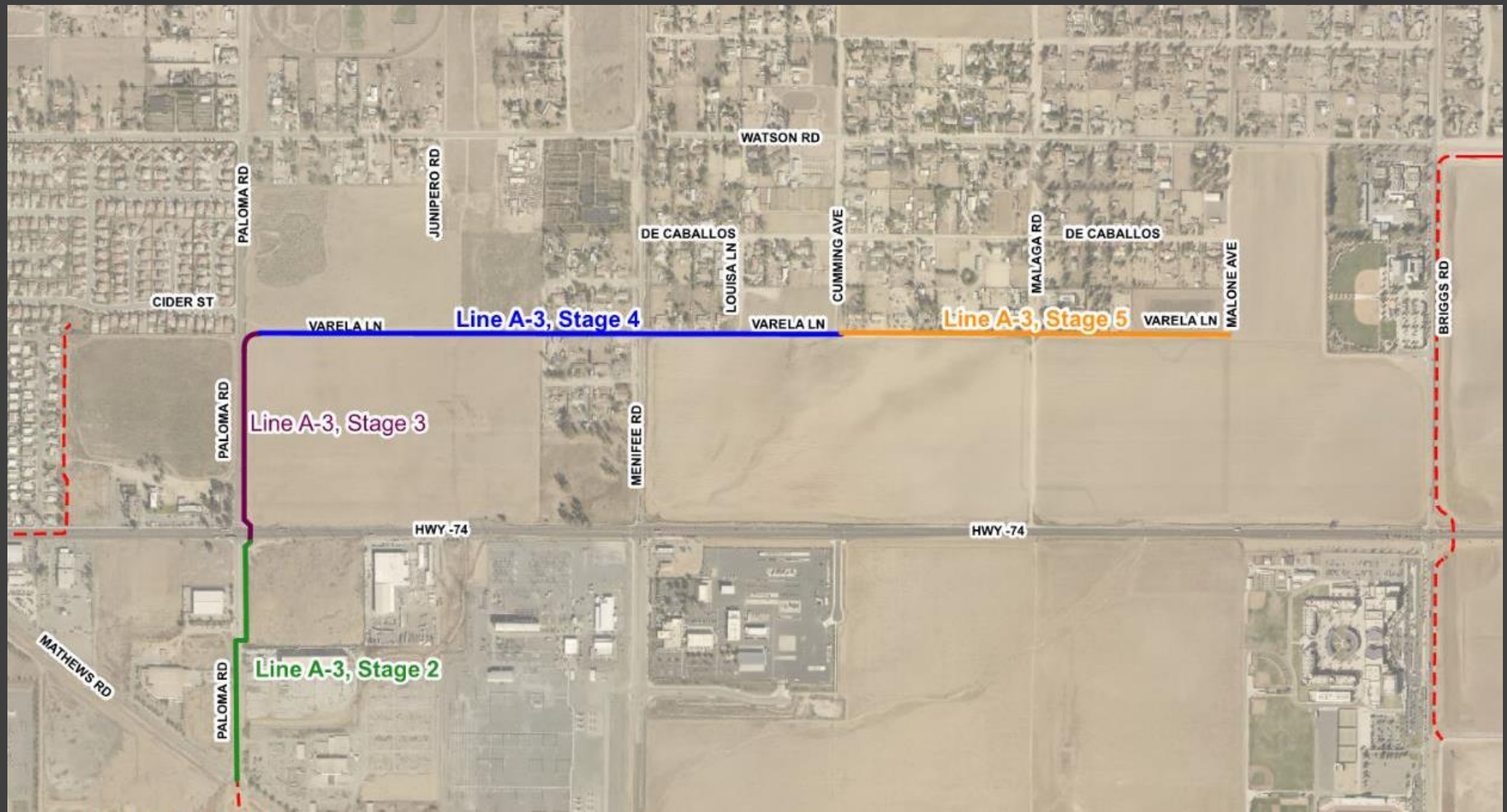




Good Hope Olive  
Avenue SD  
(4-8-00425)

- \$21.7M
- Numerous watercourses though private property cause repeated flooding
- Coordination with Property Owners and County Transportation Ongoing

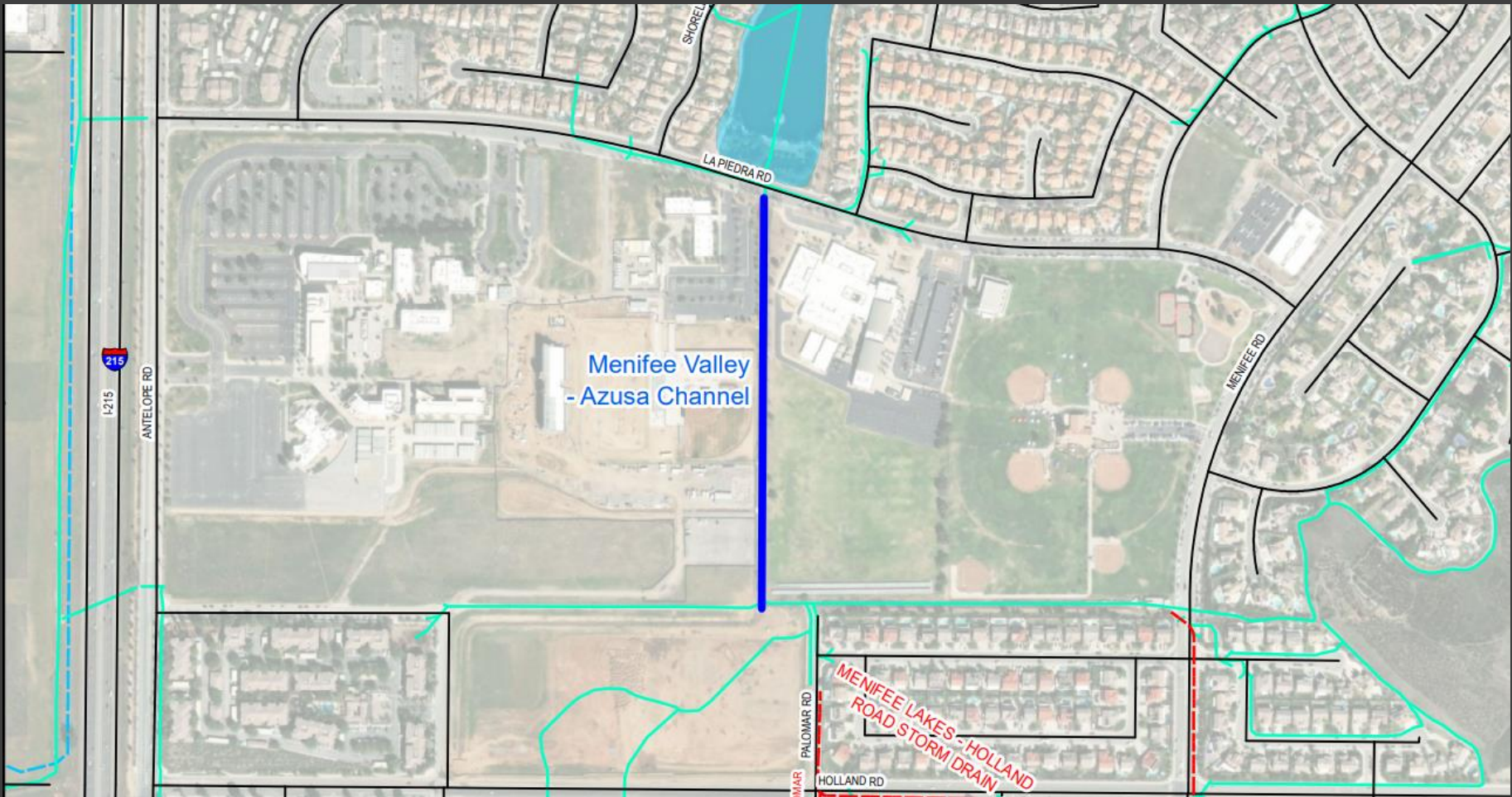




Romoland Line A-3,  
Stages 4 & 5  
(4-8-00431)

- \$10.5M
- Continuing from the recently completed Stg 3 and extend East
- R/W challenges to overcome prior to advertising

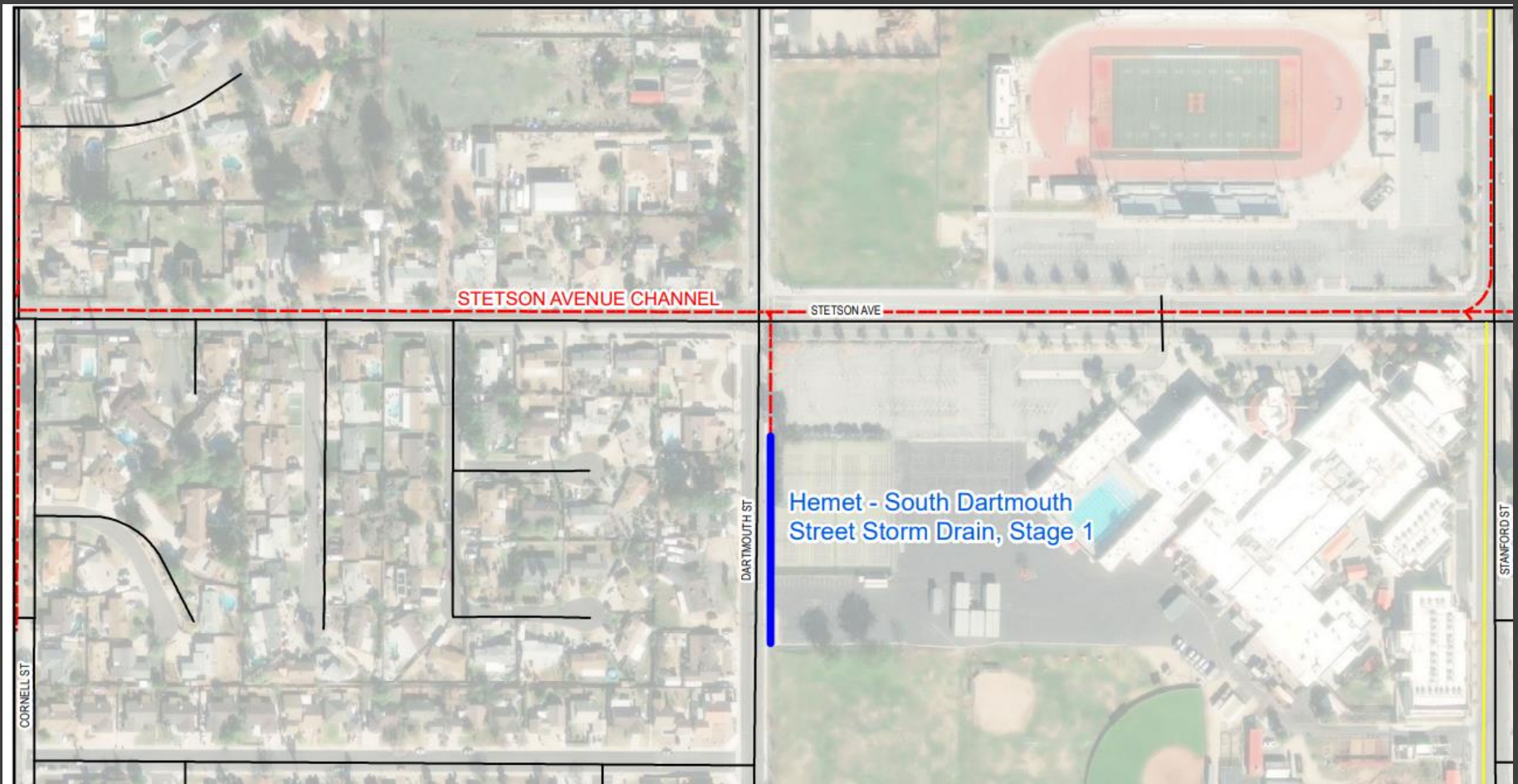




Menifee Valley -  
Azusa Channel  
(4-8-00366)

- \$5M
- Partnership with Mt. San Jacinto College
- Charter under development






Hemet – South  
Dartmouth SD, Stg 1  
(4-8-00219)

- \$840K
- Extension from Stetson Ave SD
- Clean up local sump





**Existing  
Commitments**



**Partner Projects**



**Rohini S Mustafa**  
Chief of Planning



Moreno Line  
K-1, Stage 2

Ironwood Ave

Ironwood Ave

Line K-1  
(Project)

Moreno Beach Dr

Pettit St

Project Accepted by District:  
October 2024

Line K  
Floodplain  
Acquired

Nason Basin

Moreno Valley Fwy

60

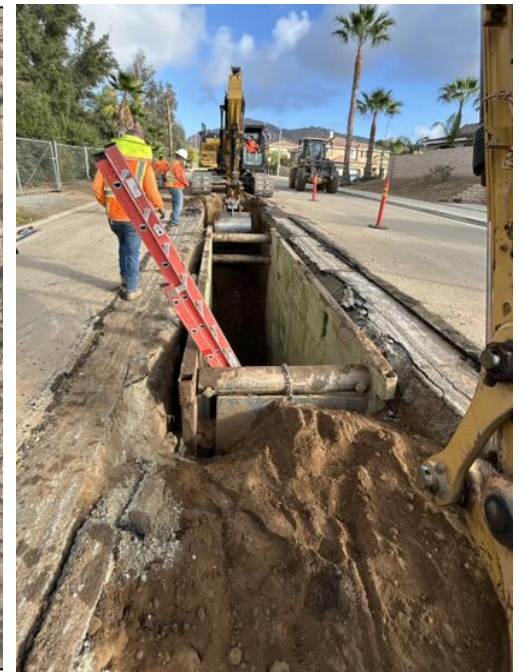
HWY 60

25



# Sunnymead MDP Line B-16a

- Active Construction
- Project Alleviates 10-year flooding in community along Kitching St
- Estimated to be completed by February 2025
- City O&M





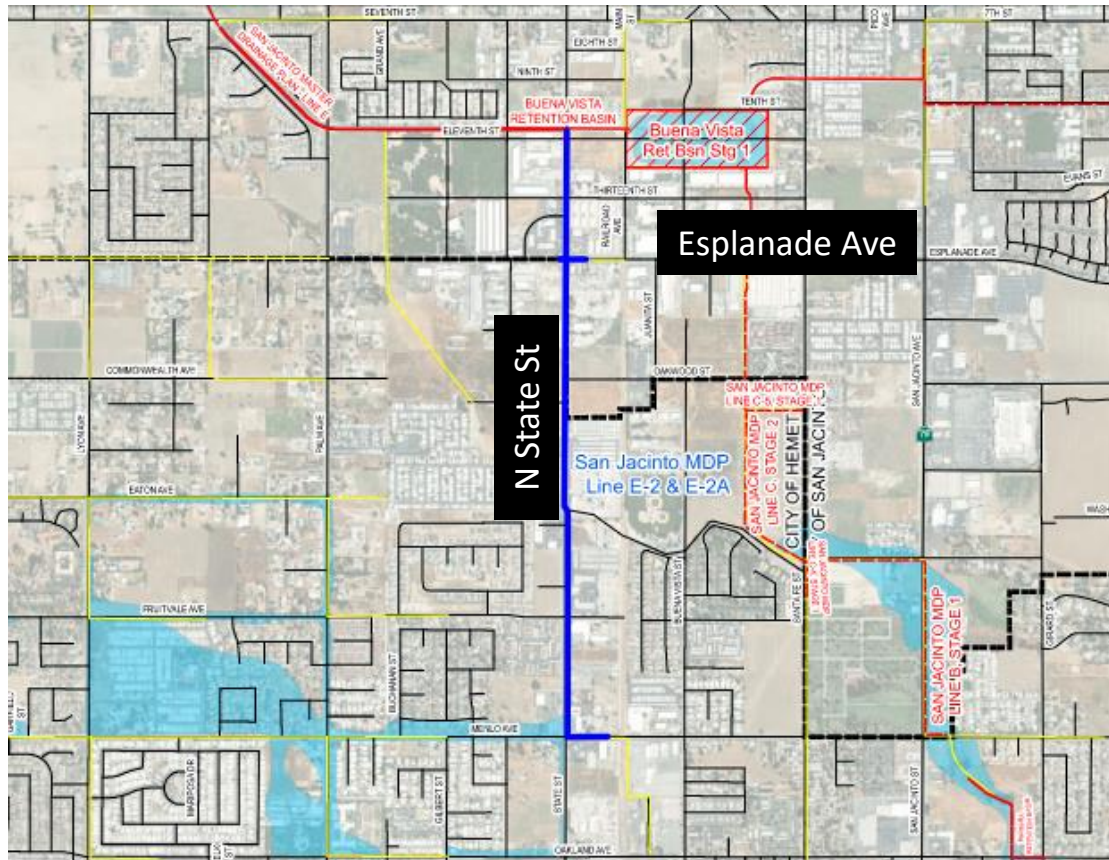


## Bradley Road Bridge Over Salt Creek

- City of Menifee-led project
- District cost share \$2M
- Replacing existing low-flow crossing with all-weather bridge crossing
- Anticipate advertising in Q2 2025



# San Jacinto Line E-2 and E-2a



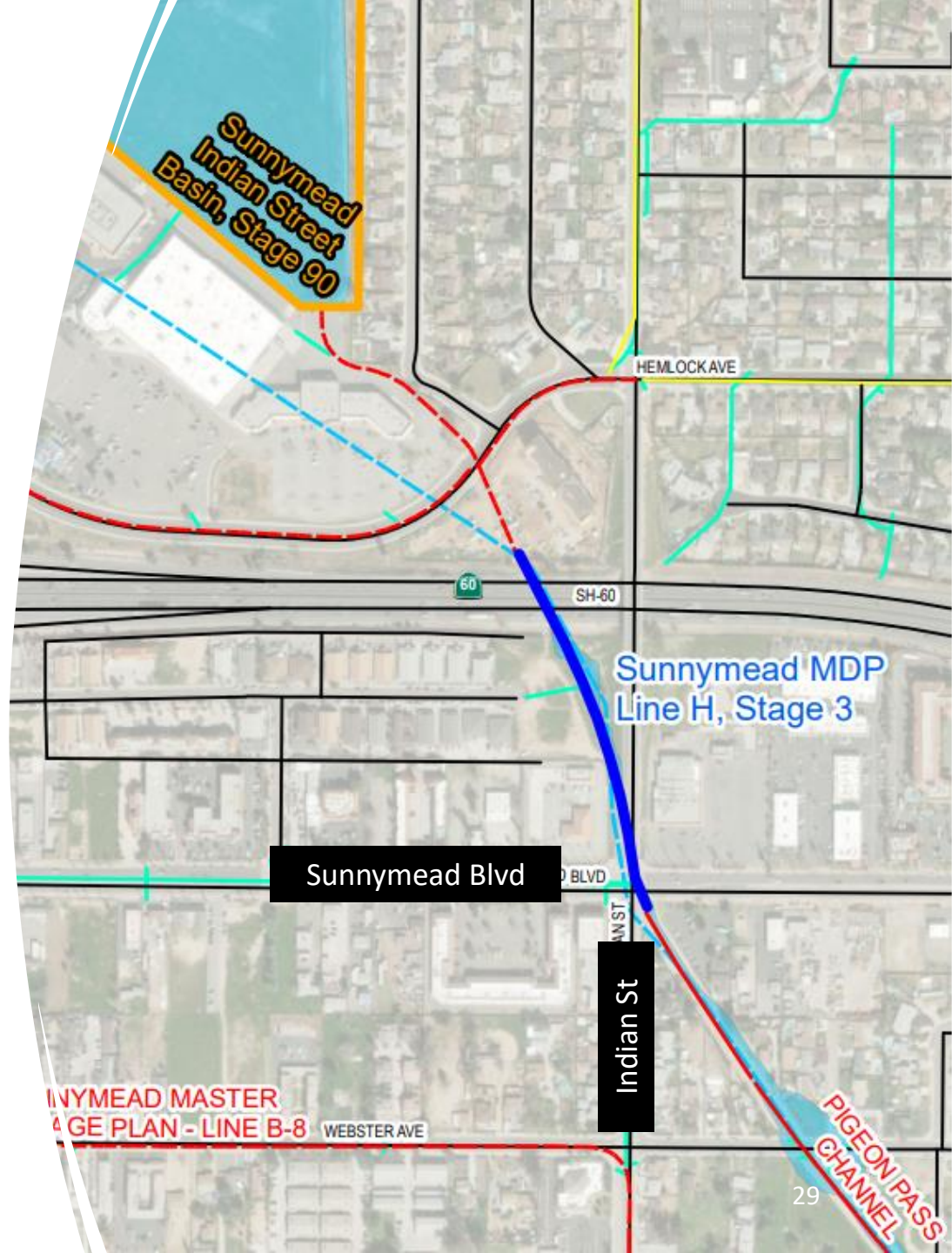
- City of San Jacinto-led project
- 7,000 feet of Underground Storm Drain
- Partial redesign and utility relocations required prior to bidding
- Inflation of \$401K estimated, New Total: \$8.4M
- District to O&M
- Anticipate advertising by Q4 2025



# Sunnymead MDP Line H, Stage 3

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- City of Moreno Valley received \$2.4M in Federal Grants through US Dept of Commerce Economic Development Administration (EDA)
- Project construction completion by Sept 30, 2029, per Grant Deadline.

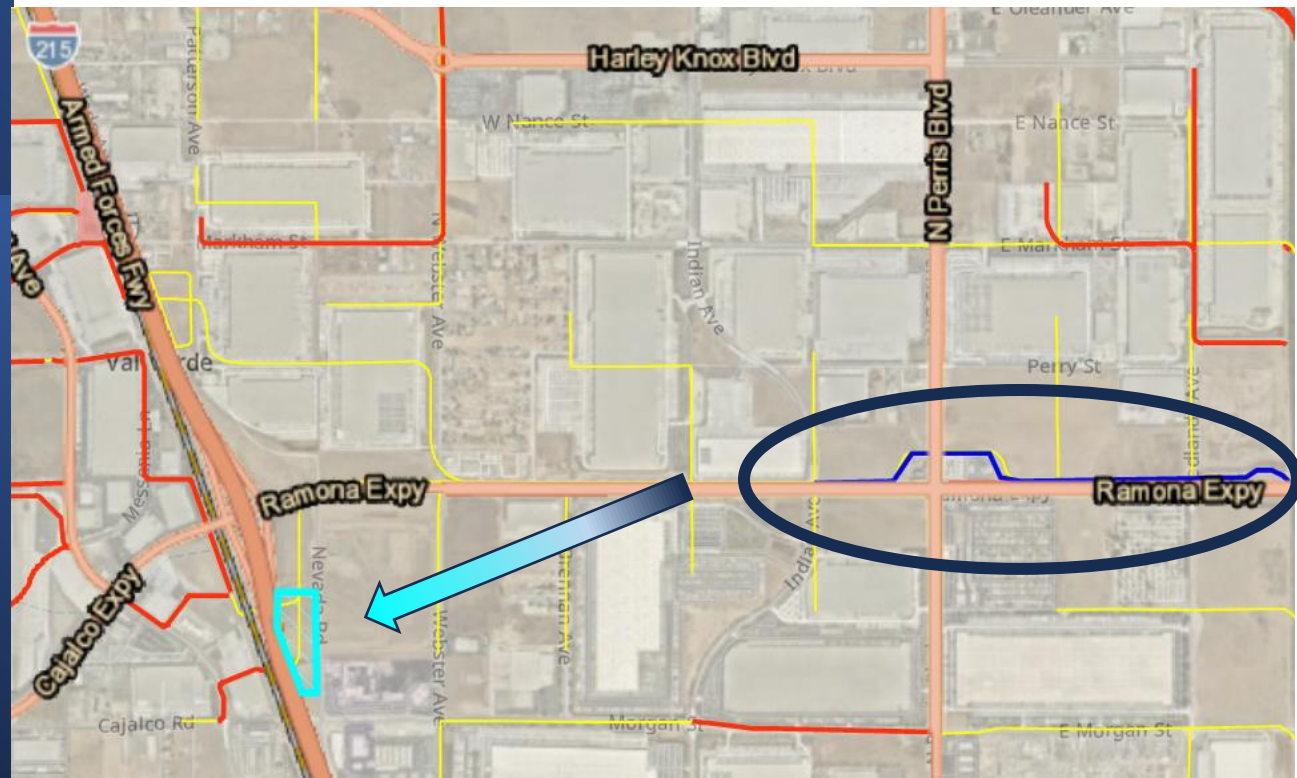




# Perris Valley MDP Line E Stage 5

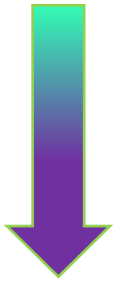


Perris  
Valley MDP  
Line E Basin





Chambers St &  
Lyons Ave SD  
\$285K

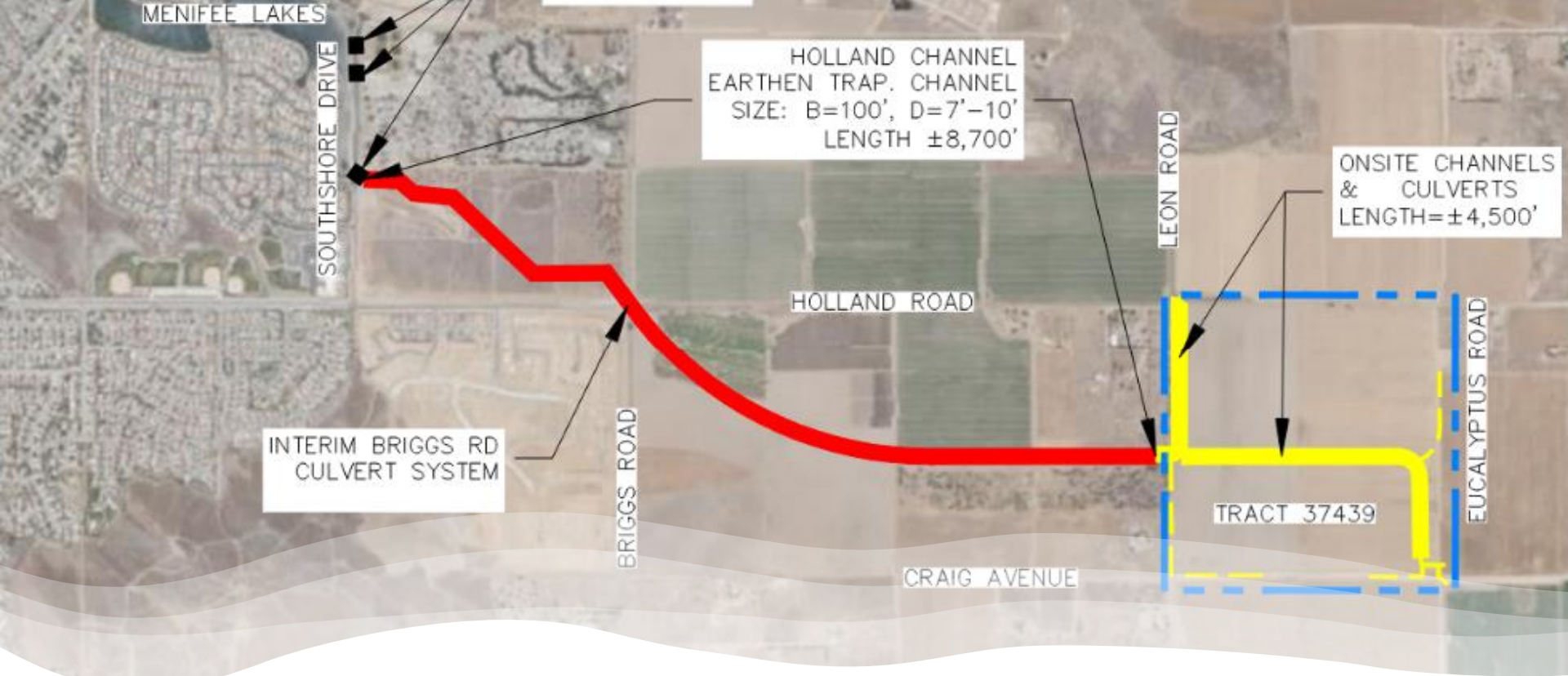


West Hemet MDP Line  
C-1

Additional \$2.1M Still Needed







Holland Channel  
Tract 37439  
New Cost Share: \$11.28M

- Additional \$6.82M needed
  - Cost of RCB cells
  - Utility relocations





## Sunnymead Cactus Ave Channel

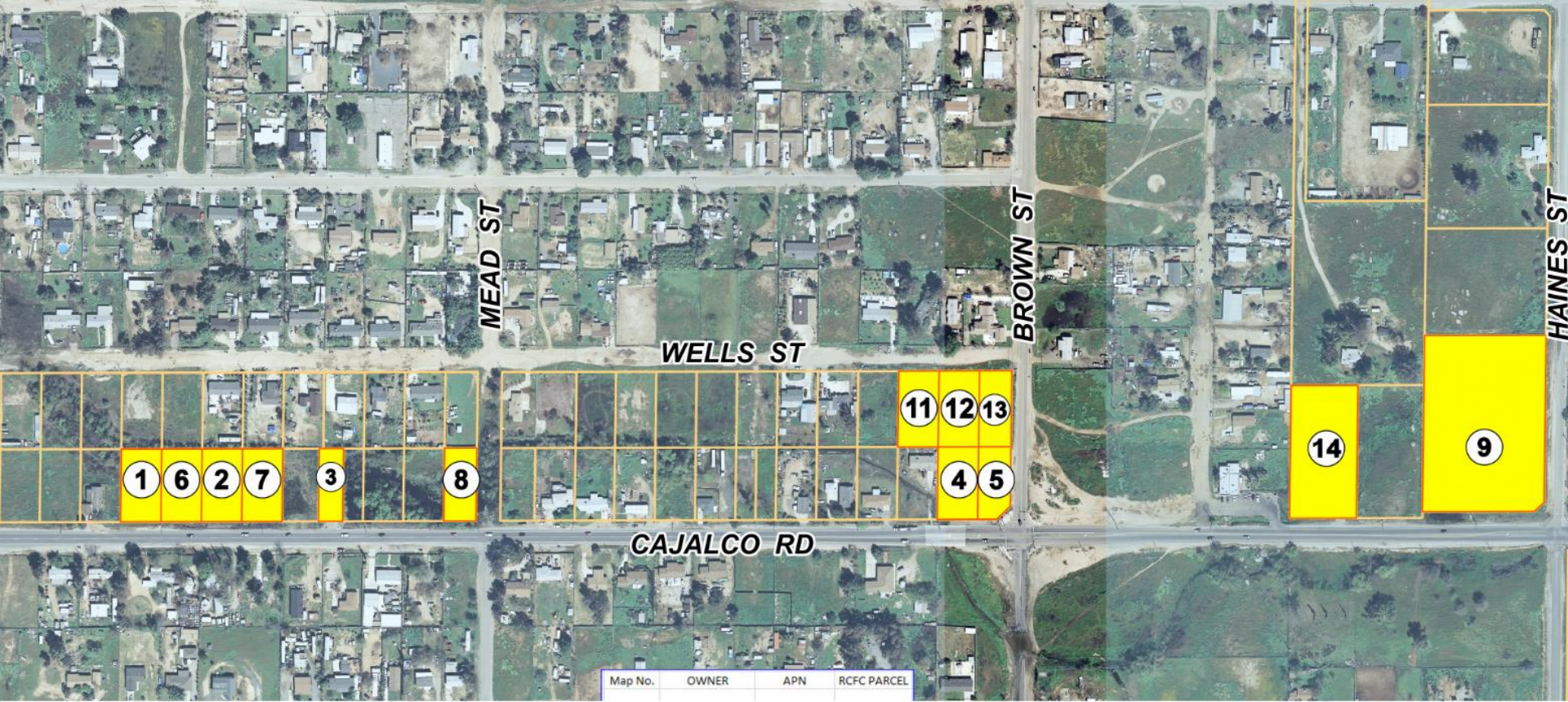
New Cost Share: \$12.4M

- Design provided by Developer
- District to prepare remaining plans and specifications
- District to cover USDA costs share | Additional \$2.24M needed
- Anticipate advertising in late 2025





# Mead Valley Line A Stage 1 Targets of Opportunity Acquisition



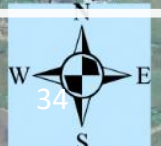
RCFC Acquired

ASSESSOR PARCELS

## Mead Valley Line A (Voluntary Acquisition)

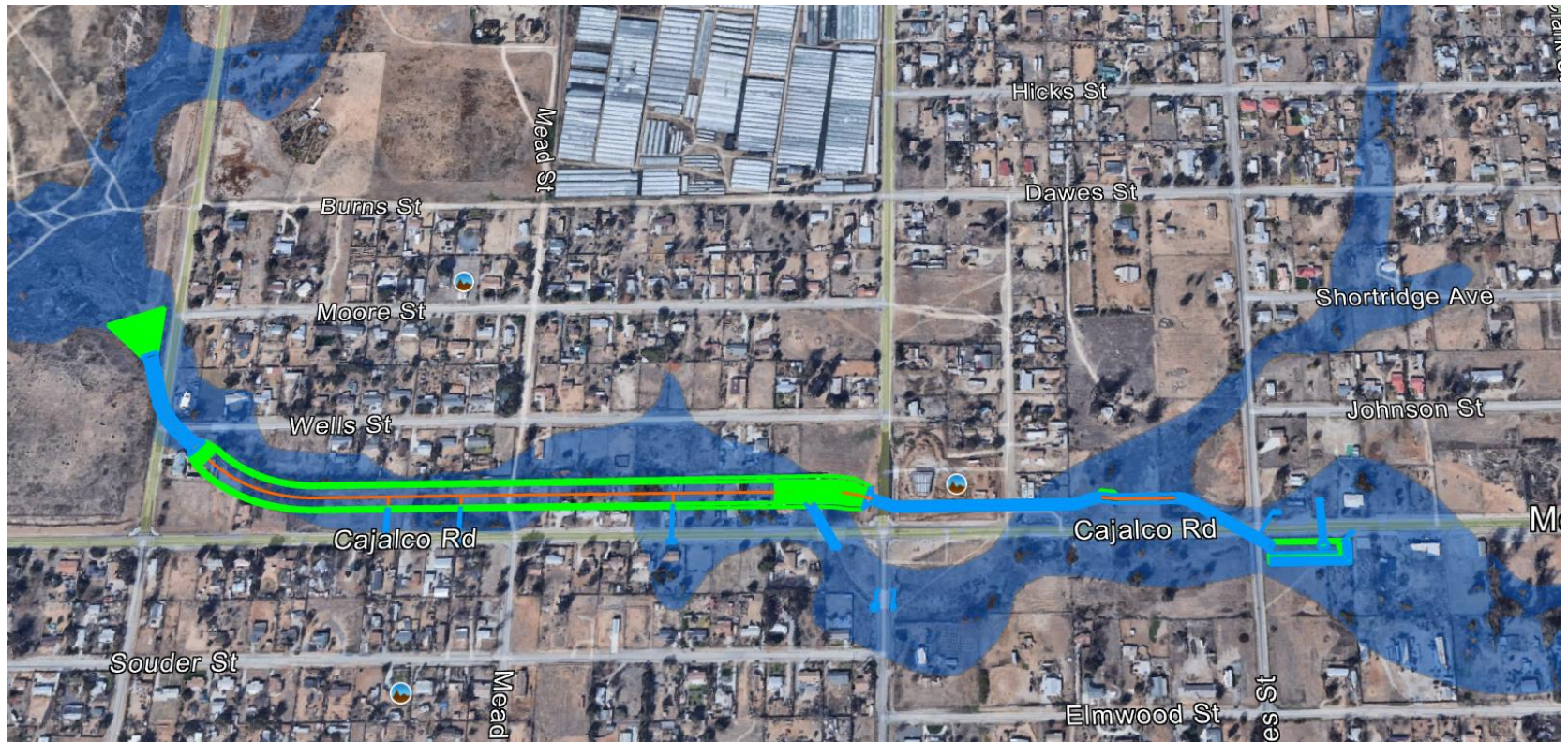
Map No.	OWNER	APN	RCFC PARCEL
1	Margis	319-062-023	4410-5
2	Allen	319-062-021	4410-6
3	Ayon	319-062-022	4410-4
4	Alameda	319-062-020	4410-8
5	Messina	319-062-024	4410-9
6	Alameda	319-062-020	4410-8
7	Alameda	319-062-020	4410-8
8	Messina	319-062-024	4410-9
9	Awad	318-070-006	4410-17
10	Alameda	319-062-020	4410-8
11	White	319-052-011	4410-13
12	White	319-052-012	4410-14
13	White	319-052-013	4410-15
14	Awad	318-070-006	4410-17
15	Andrade	318-140-016	4410-18

0 300 600 900 1,200 Feet





# Mead Valley Line A | \$32M, Additional \$25M Needed







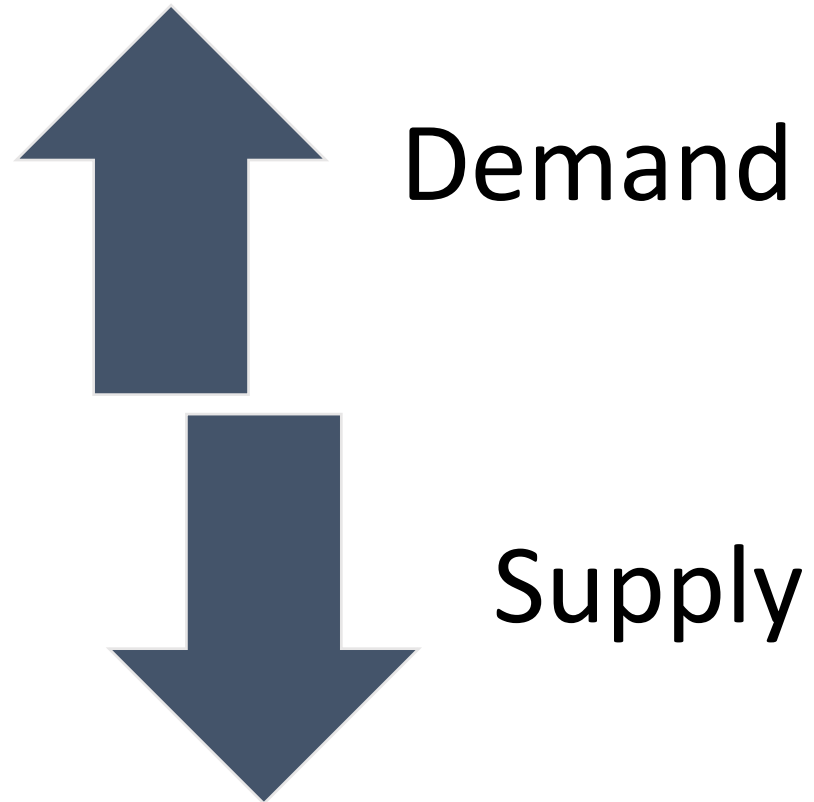
New Project  
Requests



**Public Input**



## Recent Issues



- Construction Costs
  - 8-10% increase
  - \$24M in inflation across 30+ projects.



Additional Funding Requests Received to Date : \$110.7M  
Funding Available: \$52.6M

District/Trans	Menifee/Perris	Canyon Lake	Moreno Valley	San Jacinto	Hemet	RUHS	Public / PPP
Inflation (rough):  \$24M-yes	Bradley Rd Bridge (Menifee Led - Add Back)  \$2M -yes	Vista Way Minor Drainage Improv (New)  \$633K-no	Moreno Valley MDP Line G (New)  \$3.2M Updated 2.3M -yes	Warren Rd Drainage Improv (New)  \$69K -yes	West Hemet MDP C-1 (Swap \$285K from Chambers St) \$2.1M - \$1M	Moreno Lines J, J-7 & J-8 (New)  \$4.7M -yes	Homeland MDP Line 4 (Public)  \$2.8M-no
Green Acres Dam (Partially funded)  \$6.8M -no	Perris Valley MDP Line E Basin (Swap ADP funds from PV Line E Stage 5) \$0 -yes			San Jacinto MDP Line E-4 (New)  \$1M -yes			Lakeview Nuevo MDP Laterals B & B-1 (Public)  \$4.2M -no
Mead Valley Line A (New)  \$25M -11M				San Jacinto MDP Line E (New) \$10M -no			Holland Channel (PPP)  \$6.82M-\$3M
				San Jacinto MDP Line H (Partially funded) \$1.02M-yes			Cactus Channel (PPP)  \$2.24M -yes
							Moreno Valley Line F Channel \$15M-no



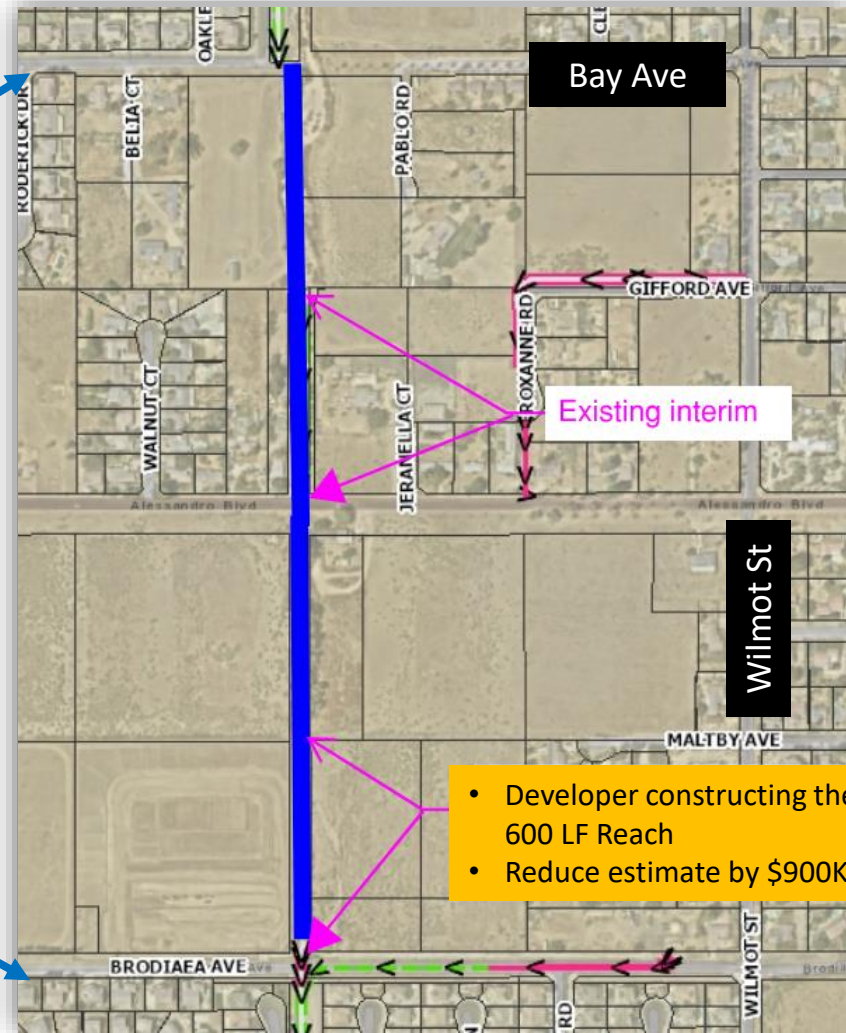
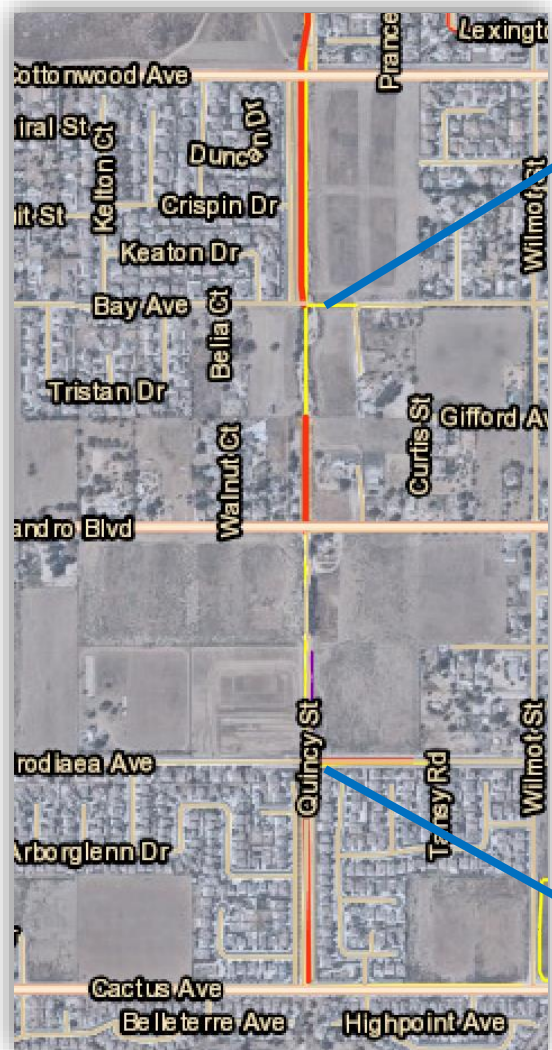
# Vista Way Drainage Improvements (\$632K)

- Project split between Menifee and Canyon Lake
- City of Canyon Lake requests the District to lead the effort to resolve grading issues resulting in flooding



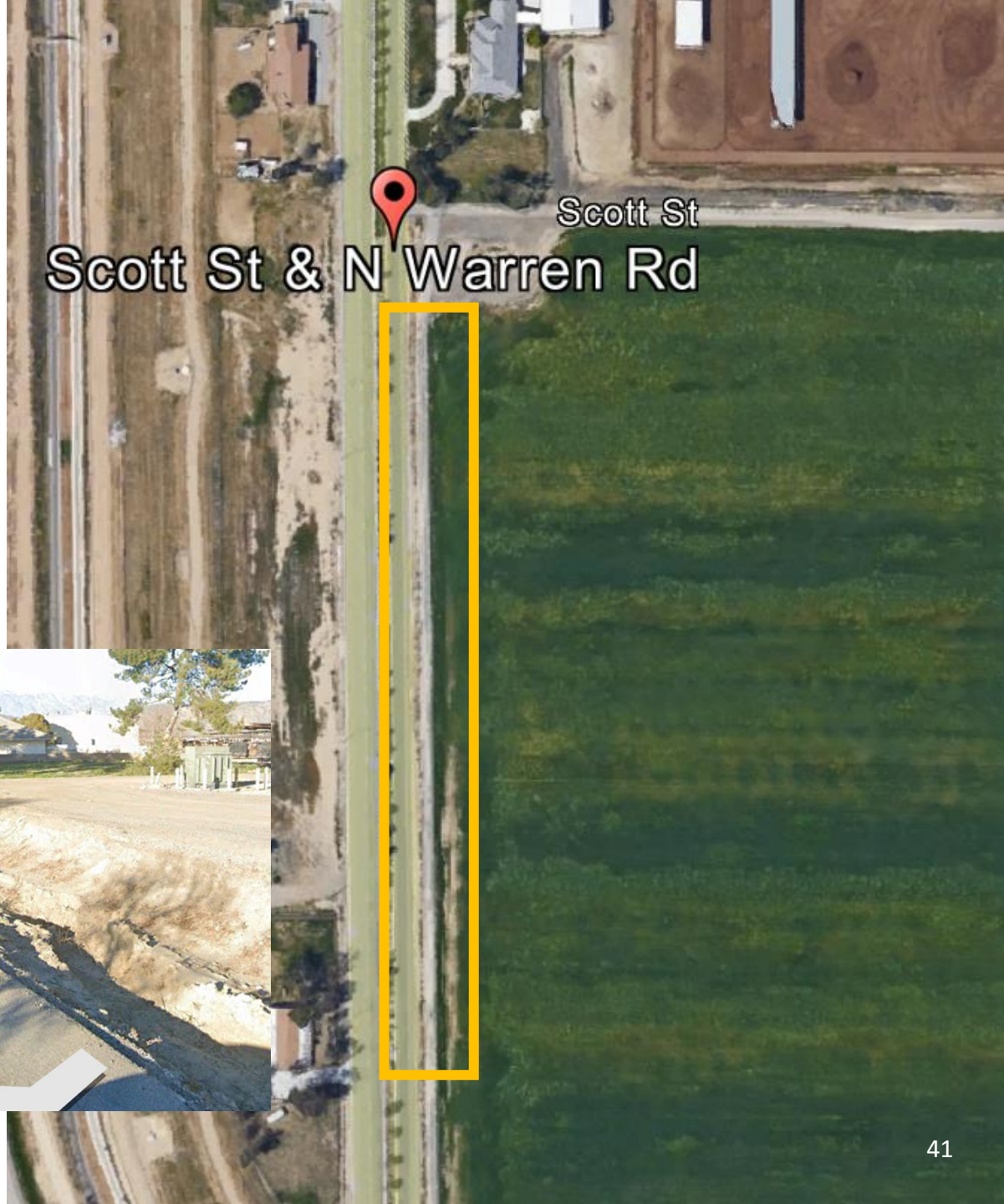


# Moreno MDP Line G | Bay and Brodiaea Ave (\$3.2M) **New - \$2.3M**



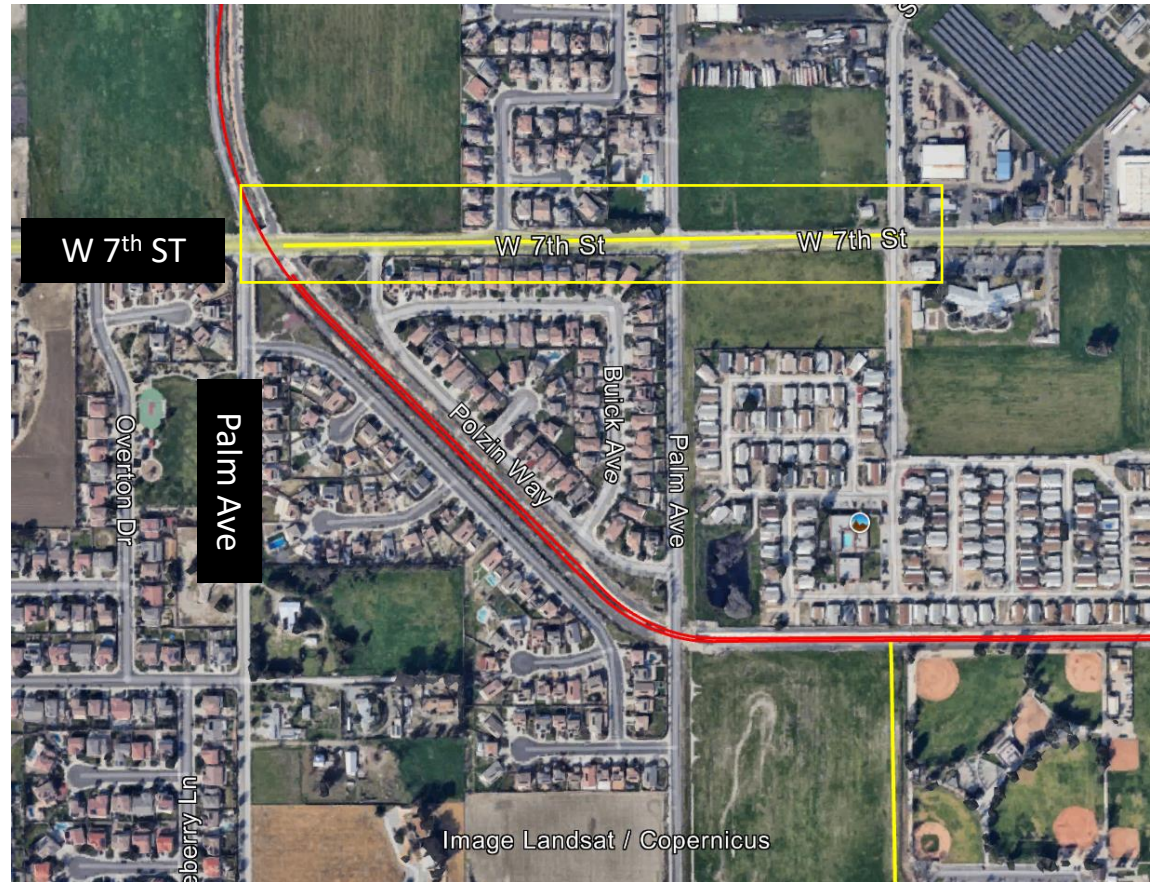


# Warren Rd Drainage Improvement (\$69K)





# San Jacinto MDP Line E-4 (\$1M)







## San Jacinto Line E (\$10M)

Request to reimburse \$10M for public works contract of developer construction of Line E.



# West Hemet MDP Line C-1 (\$2.4M)

Swap \$285K from Chambers St. \$2.1M Remaining





# RUHS Expansion- Moreno MDP Lines J, J-7, J-8 (\$4.7M)





# Homeland MDP Line 4 (\$2.8M)





# Lakeview Nuevo Laterals B & B-1 (\$4.2M)

