



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 Budget Hearing at 11:00 a.m. on Thursday, December 9, 2021 at the Riverside County Flood Control District office, 1995 Market Street, Riverside.

The purpose of this meeting is to receive requests from interested parties for project funding for the budget of Fiscal Year 2022-2023.

Call to OrderCommissioner Pete Bleckert
Introductory Comments.....Jason Uhley
Zone 4 Financial OverviewJeanine Rey
Chief Engineer's Report for Zone 4..... Claudio Padres
Receive Zone 4 Project RequestsInterested Parties
Closing CommentsJason Uhley

The Budget Work Session set for 11:00 a.m. on Thursday, February 17, 2022 at the Riverside County Flood Control and Water Conservation District office, 1995 Market Street, Riverside. The purpose of the meeting is to discuss the budgeting of projects for Fiscal Year 2022-2023.

ZONE 4

ROY "PETE" BLECKERT, 5th District

KEN GRAFF, 3rd District

BRAD SCOTT, split 3rd/5th District

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

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

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



Fund Balance for FY 2020–2021

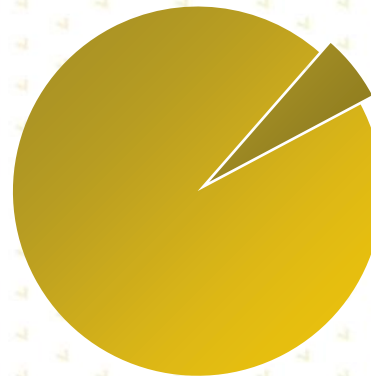
JULY 1, 2020 \$57,088,125

JUNE 30, 2021 \$63,087,096

Sources

(Where the money comes from)

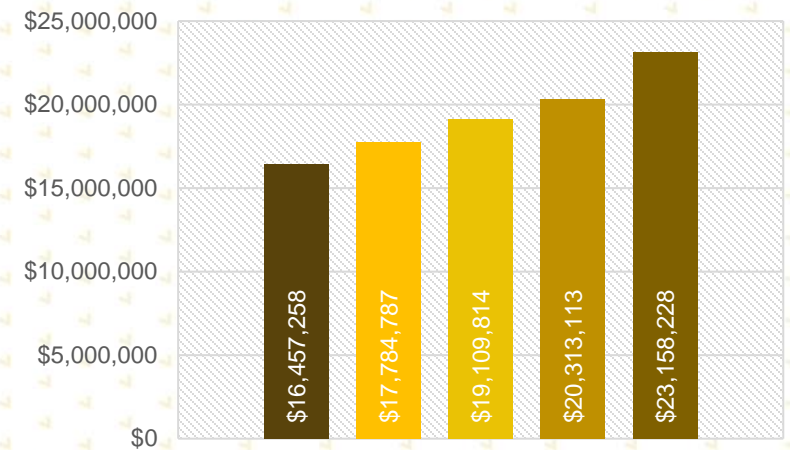
TOTAL \$25,018,000



Other – 7% \$1,860,000
Property Taxes – 93% \$23,158,000

Property Taxes

(5 year trend)

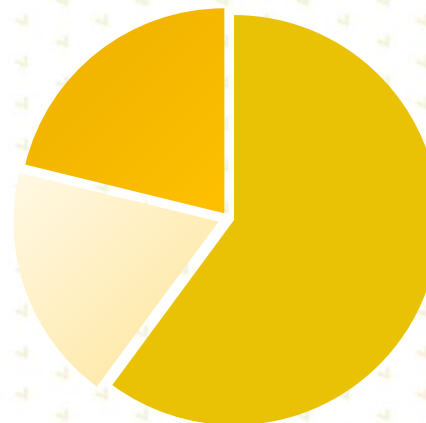


6/30/2017 6/30/2018 6/30/2019 6/30/2020 6/30/2021

Expenditures

(Where the money is spent)

TOTAL \$19,019,000



Services & Supplies – 19% \$3,551,000
Salaries & Benefits – 60% \$11,438,000
Other – 21% \$4,030,000

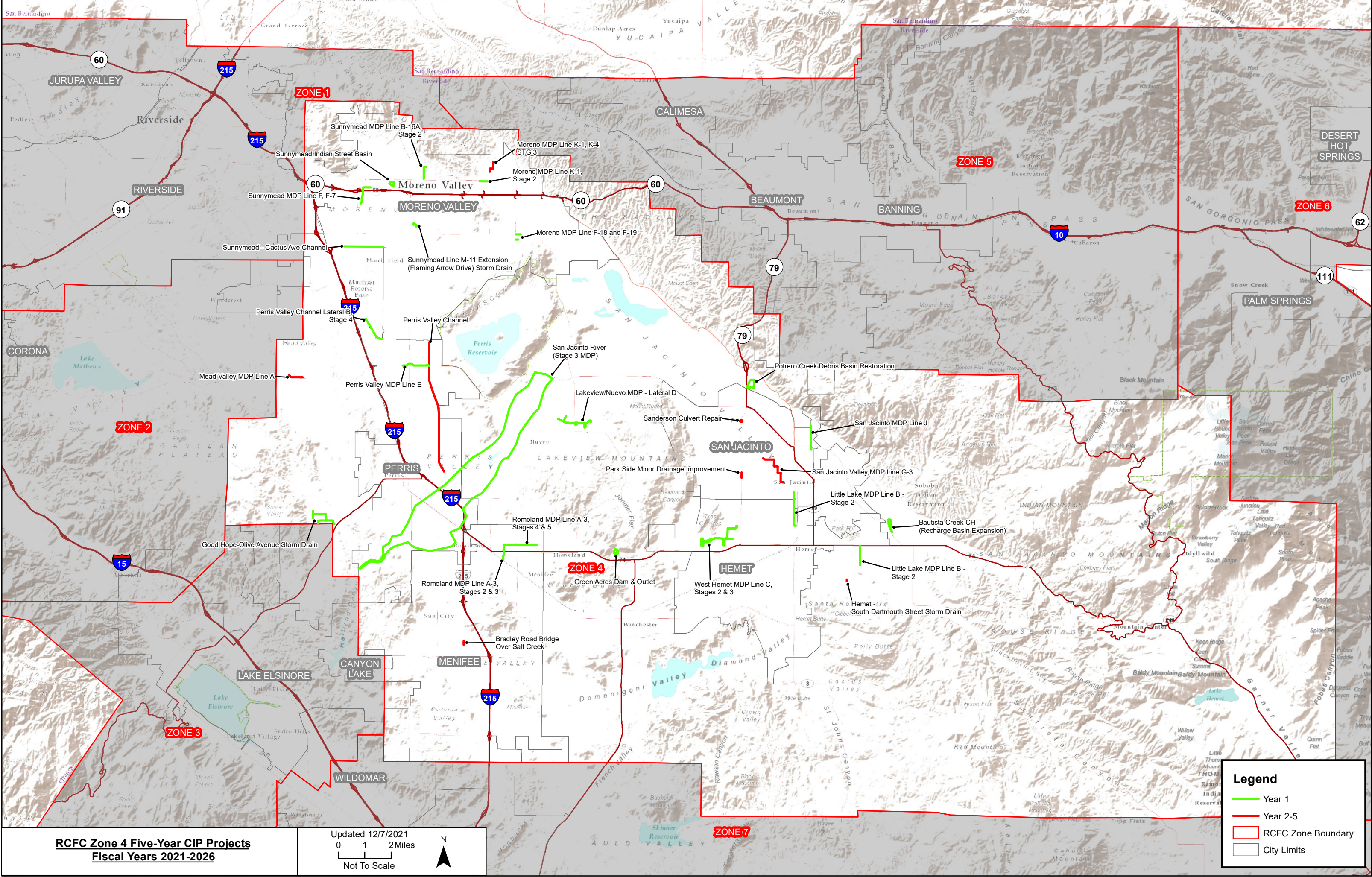
Uses

(How the money is used)

TOTAL \$19,019,000



Administration – 37% \$7,130,000
Debt Service – 15% \$2,830,000
General Zone Work – 10% \$1,918,000
Maintenance – 19% \$3,581,000
District Led Projects – 14% \$2,601,000
Partner Led Projects – 5% \$959,000



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DISTRICT LED PROJECT SUMMARY - ZONE 4
FISCAL YEARS 2021-22 THROUGH 2025-26

Project Number	Stg No.	Project Title	Project Cost	Appropriation		Funding Sources (5-Year Total)			Total Not District Funded
			Total Remaining Cost	FY 2021-22	FY 2022-26	Tax Revenue	ADP Contribution	External Contribution	
DESIGN AND CONSTRUCTION									
4-8-00009	04	PERRIS VALLEY CHANNEL LATERAL B	\$17,702,425	\$417,530	\$17,284,895	\$13,702,425	\$0	\$4,000,000	\$0
4-8-00025	90	POTRERO CREEK DEBRIS BASIN RESTORATION	\$2,409,455	1,600,068	809,387	2,409,455	0	0	0
4-8-00030	50	BAUTISTA CRK CH (RCHRG BASIN EXPANSION)	1,327,407	1,327,407	0	991,709	0	335,698	0
4-8-00265	02	LITTLE LAKE MDP LINE B STG 2	7,357,826	453,107	6,904,719	7,357,826	0	0	0
4-8-00330	00	GREEN ACRES DAM & OUTLET	15,141,574	740,602	14,400,972	15,141,574	0	0	0
4-8-00331	01	LAKEVIEW NUEVO MDP LATERAL D	7,729,840	881,555	6,848,285	7,709,235	20,605	0	0
4-8-00425	01	GOOD HOPE-OLIVE AVENUE STORM DRAIN	14,079,816	1,536,363	12,543,453	14,079,816	0	0	0
4-8-00431	02	ROMOLAND MDP, LINE A-3 Stg 2 & 3	4,041,870	4,041,870	0	4,041,870	0	0	0
4-8-00431	04	ROMOLAND MDP, LINE A-3 STG 4 & 5	6,247,826	491,668	5,756,158	6,247,826	0	0	0
4-8-00735	90	SUNNYMEAD-INDIAN STREET BASIN	1,116,846	129,056	987,790	1,116,846	0	0	0
4-8-00219	01	HEMET S DARTMOUTH ST SD	449,787	0	449,787	449,787	0	0	0
PLANNING PROJECTS									
4-8-00020	03	SAN JACINTO RIVER (STAGE 3 MDP)	171,900	171,900	0	171,900	0	0	0
4-8-09068	00	WEST HEMET MDP INTERIM IMPROVEMENTS	4,353,000	353,000	4,000,000	4,345,892	7,108	0	0
4-8-00010	02	PERRIS VALLEY CHANNEL	921,959	0	921,959	0	921,959	0	0
4-8-00410	01	MEAD VALLEY MDP LINE A	7,171,000	0	1,000,000	1,000,000	0	0	(6,171,000)
DESIGN AND CONSTRUCTION PROJECTS			\$77,604,672	\$11,619,226	\$65,985,446	\$73,248,369	\$20,605	\$4,335,698	\$0
PLANNING PROJECTS			12,617,859	524,900	5,921,959	5,517,792	929,067	0	(6,171,000)
ZONE 4 DISTRICT LED PROJECTS TOTALS			\$90,222,531	\$12,144,126	\$71,907,405	\$78,766,161	\$949,672	\$4,335,698	(\$6,171,000)

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2021:

Zone 4 Fund	\$48,641,436
ADP Sub Fund	7,253,448
Total Fund Balance Forward	\$55,894,883

REVENUE:

Taxes	\$106,693,574
Interest	3,479,630
ADP Fees	100,000
Rental	73,500
Subtotal Revenue	110,346,704
External Contribution	4,335,698
Total Five Year Revenue	\$114,682,402
TOTAL FUNDS AVAILABLE	\$170,577,285

APPROPRIATIONS:

District Led Projects Appropriations	\$84,051,531
Partner Led Projects Appropriations	27,361,281
Miscellaneous Watershed Protection Projects	2,500,000
Capital Project Cost Inflation @ 2.0%	1,658,694
Operating & Maintenance Expenses	40,398,058
Contingencies	2,193,325
Debt Service Payment - Promissory Note	11,282,250
Subtotal Appropriations	\$169,445,139

ENDING FUND BALANCE - JUNE 30, 2026:

Zone 4 Fund	16,135
ADP Sub Fund	1,116,012
Total Ending Fund Balance	1,132,148

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PARTNER LED PROJECT SUMMARY - ZONE 4
FISCAL YEARS 2021-22 THROUGH 2025-26

Project Number	Stg No.	Project Title	Project Cost	Project Appropriation				Funding Sources			Total Not District Funded
				FY 2021-22		FY 2022-26		5-year total			
			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 PROJECTS											
4-8-00365	01	SUNNYMEAD LINE M-11 EXTENSION (FLAMING ARROW	\$742,847	\$382	\$420,886	\$0	\$0	\$421,268	\$0	\$0	(\$321,579)
4-8-00614	02	SUNNYMEAD MDP LINE B-16A	1,960,900	30,900	1,930,000	0	0	1,960,900	0	0	0
4-6-10000	00	BRADLEY RD BRIDGE OVER SALT CREEK	8,300,000	0	0	0	2,000,000	2,000,000	0	0	(6,300,000)
4-6-10001	00	PARKSIDE MINOR DRAINAGE IMPROVEMENT	240,500	0	0	0	240,500	240,500	0	0	0
4-6-10002	00	SANDERSON CULVERT REPAIR	175,000	0	0	0	175,000	175,000	0	0	0
PARTNER LED CAPITAL IMPROVEMENT PROJECTS											
4-8-00013	01	SUNNYMEAD-CACTUS AVE CHANNEL	18,933,900	100,000	0	0	0	100,000	0	0	(18,833,900)
4-8-00038	02	SAN JACINTO MDP LINE J	2,801,120	0	516,625	61,995	2,222,500	2,793,510	7,610	0	0
4-8-00251	01	SAN JACINTO MDP LINE E-2, STG 1 & E-2A STG 1	39,748	39,748	0	0	0	39,748	0	0	0
4-8-00290	01	SUNNYMEAD MDP LINE F, F-7	8,717,408	41,944	1,800,000	225,464	4,025,000	5,346,091	746,317	0	(2,625,000)
4-8-00403	01	MORENO MDP LINE F-18 AND F-19	2,094,505	50,694	254,097	109,714	1,680,000	2,094,505	0	0	0
4-8-00488	05	PERRIS VALLEY MDP LINE E	3,912,672	42,672	1,070,000	0	2,800,000	42,398	3,870,274	0	0
4-8-00766	01	MORENO MDP LINE K-1 STG 2	3,320,418	126,499	2,500,000	0	0	1,962,936	663,563	0	(693,919)
4-8-00766	03	MORENO MDP LINE K-1, K-4 STG 3	3,727,431	0	0	233,430	3,094,000	3,327,430	0	0	(400,001)
4-8-09083	00	SAN JACINTO VALLEY MDP LINE G-3	1,569,231	0	0	300,086	1,269,145	1,569,231	0	0	0
PARTNER LED CONTRIBUTION PROJECTS PROJECTS			\$11,419,247	\$31,282	\$2,350,886	\$0	\$2,415,500	\$4,797,668	\$0	\$0	(\$6,621,579)
PARTNER LED CAPITAL IMPROVEMENT PROJECTS			45,116,433	401,557	6,140,722	930,689	15,090,645	17,275,849	5,287,764	0	(22,552,820)
ZONE 4 PARTNER LED TOTALS			\$56,535,680	\$432,839	\$8,491,608	\$930,689	\$17,506,145	\$22,073,517	\$5,287,764	\$0	(\$29,174,399)

Zone 4
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
November 2021

Active District-Led Projects

Perris Valley Channel Lateral B (4-8-00009-04)

This is a District-led proposed storm drain improvement project of approximately 6,000 lineal feet of reinforced concrete box that will provide improved flood protection to the March Air Reserve Base (MARB) and adjacent properties. The project will collect the 100-year runoff from a proposed storm drain that will be constructed as part of a development between MARB and Interstate 215 and convey the water south to the existing Perris Lateral B Channel at Heacock Street. This project is funded as a cost share between the District (\$13 million) and the March Joint Powers Authority (MJPA) (\$4 million via developer).

A Memorandum of Understanding has been executed between the District, MARB, and MJPA outlining the terms for funding, rights of way, and construction of the storm drain system. The project topographic mapping is complete, and the District is actively working with MARB to finalize the alignment and begin work on the 30% plans.

San Jacinto River (4-8-00020-03)

This is a District-led project to develop a master drainage plan along the nearly 10-mile reach of the San Jacinto River from Ramona Expressway to Railroad Canyon. The goal of the plan is to provide flood protection to critical transportation facilities, alleviate drainage concerns in the city of Perris, advance implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP), and accommodate certain land development activity within the floodplain fringe. The District is currently working closely with the Regional Conservation Authority, California Department of Fish and Wildlife, and United States Fish and Wildlife Service to ensure that the project will be able to achieve consistency with the MSHCP. Once these discussions with the regulatory agencies have taken place, the District will continue with the California Environmental Quality Act process and the preparation of the Environmental Impact Report for the plan.

Potrero Creek Debris Basin Emergency Sediment Removal (4-8-00025-90)

This is a District-led project to remove accumulated sediment from the existing basin to restore its capacity and function. An estimated 400,000 cubic yards of material will be removed. This project is funded by the District.

Due to the emergency nature of the project, the District expedited the design and advertised the project for bids in August 2021. The project is expected to be awarded and to start construction by the end of 2021.

Zone 4
Report to the Zone Commissioners
November 2021

Bautista Creek Channel - Recharge Basins (4-8-00030-50)

This District-led project, in partnership with Lake Hemet Municipal Water District (LHMWD), will expand groundwater recharge by constructing six infiltration basins on the existing 17.5 acres of open space adjacent to Bautista Creek Channel. This project is funded by a combination of District funds, external funding from a Proposition 84 state grant administered by the California State Department of Water Resources, and a contribution from LHMWD. The District completed the design and awarded the project in April 2021. Currently, the project is under construction and is expected to be completed by January 2022.

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

This is a District-led storm drain improvement project to install approximately 4,000 lineal feet of underground storm drain along Meridian Street. The primary objective for this project is to provide 100-year flood protection to the properties west of Meridian Street between Florida Avenue/Highway 74 and Whittier Avenue. This project will collect storm runoff that reaches Meridian Street beginning at Whittier Avenue and convey the flows northerly to the existing Little Lake MDP Line B, Stage 1 facility at Florida Avenue/Highway 74. This storm drain will also facilitate future master-planned storm drains that will extend easterly in Acacia Avenue, Mayberry Avenue, and Whittier Avenue. This project is funded by the District. The District updated the design mapping for this project and is currently finalizing the 30% design plans.

Green Acres Dam and Outlet (4-8-00330-00)

This is a District-led proposed earthen dam project with an approximately 50' high embankment, 900' long crest, 150 acre-feet storage capacity, and two square miles of tributary area. The primary objective of this project is to reduce flooding of the Green Acres neighborhood near Cortrite Avenue at Highway 74 and south along Highway 79. This project is funded by the District. The District is in the process of securing rights to complete additional field investigation and environmental studies for the spillway site. Upon securing such rights, the District will proceed with completing the environmental studies, soil exploration, and finalizing the Project Feasibility Study.

Lakeview/Nuevo MDP Lateral D (4-8-00331-01)

This is a District-led storm drain project to install approximately 9,100 lineal feet of various sized pipe (30"-84") and construction of potentially two detention basins to attenuate flows. The primary objective of this project is to provide an adequate outlet for the existing Lakeview Dam and to reduce or eliminate the existing Federal Emergency Management Agency floodplain. The project collects flows from Lakeview Dam and captures storm runoff along the project alignment, conveys them in an underground pipe west along Water Avenue, and discharges into the existing Nuevo Channel at Yucca Avenue and 11th Street. Storm runoff from Brown Avenue will also be collected east of the Bell Avenue intersection and conveyed in an underground pipe south along Bell Avenue to Lateral D in Water Avenue. This project is funded by the District. The District is in the process of entering into a cooperative agreement with the basin property owner and is working closely with them to finalize the basin hydraulics. The District is currently developing 30% design plans, which are expected to be completed by March 2022.

Zone 4
Report to the Zone Commissioners
November 2021

Good Hope - Olive Avenue Storm Drain (4-8-00425-01)

This is a District-led storm drain improvement project consisting of approximately 7,400 lineal feet of various size pipe (36"-84") and a detention basin that will ultimately provide 100-year flood protection to the properties between Quail Drive and Spring Street and properties located east of Spring Street and west of Theda Street between Olive Avenue and Eucalyptus Avenue. The project will convey collected runoff to an existing culvert crossing at Highway 74 just east of Theda Street. This project is funded by the District. The District completed a Preliminary Design Report and identified the preferred alternative. Currently, the District is in the final stages of approving the 30% plans and preparing coordination efforts with external agencies and right of way acquisitions.

Romoland MDP Line A-3, Stages 2 and 3 (4-8-00431-02, -03)

This District-led project is a portion of the Line A-3 system that will ultimately protect existing neighborhoods along Varela Lane and properties south of Varela Lane and east of Palomar Street. Stage 1 of Line A-3 was already constructed near Case Road in Palomar Street. Stages 2 and 3 (this project) will extend this storm drain system north in Palomar Road to Varela Lane. The total length of these two stages is approximately 3,200 feet of underground box storm drain (12'Wx6.5'H). This project also enables the future construction of Stages 4 and 5 which extend east along Varela Lane. The full benefit of this project will not be realized until Stages 4 and 5 are also constructed. This project is funded by the District.

The cooperative agreement with the City of Menifee was executed by the District's Board of Supervisors in November 2020.

The project was awarded to O'Duffy Bros, Inc. on June 8, 2021. Construction is expected to start at the end of October 2021 and is expected to be completed at the end of July 2022.

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

This District-led project will follow the construction of Stages 2 and 3 described above. Stages 4 and 5 will complete the Line A-3 storm drain system east along Varela Lane from Palomar Road to Malone Avenue. The total length of these two stages is approximately 6,510 lineal feet of underground reinforced concrete box and open channel. Once the entire Line A-3 is completed, the system will help protect properties located along Varela Lane and east of Palomar Road. This project is funded by the District.

The District is currently developing 60% design plans and preparing for coordination with external agencies, regulatory and environmental compliance, and right of way acquisitions.

Zone 4
Report to the Zone Commissioners
November 2021

Active Partner-Led Projects

Sunnymead Cactus Avenue Channel (4-8-00013-01)

This project is proposed as a partnership between the District, March Joint Powers Authority (MJP), March Air Reserve Base (MARB), the City of Moreno Valley, and two development interests on MJP land to construct approximately 1.5 miles of reinforced concrete box along the south side of Cactus Avenue from Elsworth Street to Heacock Street. The facility will collect flows from existing storm drains within the city of Moreno Valley and convey flows east to the existing Heacock Channel. The project will provide flood protection to MARB properties within MJP land to Cactus Avenue. The design of the project is nearly complete and the cooperative funding agreement details are being negotiated. The project is partially funded by the District, and it is anticipated that remaining project costs will be covered by the other project partners. MJP is seeking grant funds to cover a portion of the project cost.

West Hemet MDP Line C, Stages 2 and 3 (4-8-00235-00) [*formerly known as West Hemet MDP Interim Improvements (4-8-09068-02)*]

This project has been previously referred to as West Hemet MDP Interim Improvements (4-8-09068). The District and City of Hemet will be partnering with Developers for Tracts 36510 and 36759 in the design and construction of the drainage channel to provide flood protection to the surrounding community. The system consists of approximately 4,700 lineal feet of primarily earthen open channel which will convey flows from the existing City maintained Seattle Basin along Cawston Avenue and westerly along Devonshire Avenue (West Hemet Line C, Stage 3). Stage 3 will be designed by the Developer and will be constructed by the District. The system will continue across Myers Street as an underground reinforced concrete box storm drain for approximately 600 lineal feet southwesterly of Myers Street and Devonshire Avenue (West Hemet Line C, Stage 2) and will outlet into a privately maintained basin for Tract 36510 (Ramona Creek Basin); Stage 2 will be designed and constructed by the Developer. Both West Hemet Line C, Stages 2 and 3 will be maintained by the District. This project will address the City's request to solve the ongoing drainage issue at Seattle Basin and will also provide a path forward for Tracts 36510 and 36759 by capitalizing on the timing of the design and construction of drainage improvements.

The District is currently working with the City and Developer on formalizing the roles and responsibilities of the project in a cooperative agreement.

San Jacinto MDP Lines E-2 and E-2A (4-8-00251-01)

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 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. This project is funded by the District. The District will contribute \$4,710,000 toward construction of the project. The tri-party agreement between the City of San Jacinto, City of Hemet, and the District has been amended to reflect the updated contribution. The City of San Jacinto experienced delays with utility coordination and anticipates project advertisement by June 2022.

Zone 4
Report to the Zone Commissioners
November 2021

Sunnymead MDP Lines F and F-7 (4-8-00290-05)

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 Freeway, the project transitions to an open channel that continues south along the existing wash until it discharges to the existing channel just north of Atlantic Circle. The overall project is 5,000 lineal feet. The District will fund 50% of design and construction costs and 100% of land acquisition costs. The City has received approval from the Federal Emergency Management Agency for a grant worth \$2,650,000. A portion of this grant was used for the design phase and the remainder will be awarded once the City completes the California Environmental Quality Act/National Environmental Policy Act process. The agreement between the District and the City was executed in July 2021, and the 90% design plans are currently being developed.

Sunnymead Line M-11 Extension/Flaming Arrow (4-8-00365-01)

This project is a partnership between the District and the City of Moreno Valley. The goal of this project is to capture runoff that is flooding the properties along St. Christopher Lane. The project will construct a storm drain that will extend from Bay Avenue north and west to St. Christopher Lane. The District and the City have executed a cooperative agreement that established each agency's responsibility. The District will fund both design and construction. The District completed the design and will partially fund the construction that will be performed by the City. The City is responsible for the environmental permits, rights of way, ordering the relocation of utilities, construction, operation, and maintenance of the storm drain. The funding agreement was executed by the City on April 7, 2020. The project design was completed by the District in December 2019. The project is currently under construction.

Moreno Lines F-18 and F-19 (4-8-00403-01)

This City of Moreno Valley-led project includes both MDP Lines F-18 and F-19 with 1,555 lineal feet of various size pipe (24"-54"). Line F-18 will capture flows in Alessandro Boulevard between Merwin Street and Redlands Boulevard and convey them to the existing MDP Line F-2 in Redlands Boulevard. Line F-19 will capture flows within the first 550 feet of Brodiaea Avenue and convey them to the existing Line F-2. This project is funded by the District.

The District prepared a cooperative funding agreement with the City to fund \$2 million toward design and construction costs of the project. The cooperative agreement was executed in November 2020. The City selected an engineering consultant who is currently preparing the 60% design plans.

Perris Valley MDP Line E (4-8-00488-05)

This City of Perris-led project involves the construction of a storm drain facility approximately 5,540 feet on the north side of Ramona Expressway from Indian Avenue to the Perris Valley Channel to alleviate flooding at the intersection of Ramona Expressway and Perris Boulevard and serve as an outlet for existing storm drains that have been constructed in the area. The District is contributing \$4.3 million toward design and construction from area drainage plan fees collected. The cooperative agreement was executed in April 2021, and the City is currently working on the preliminary design and environmental studies for the project.

Zone 4
Report to the Zone Commissioners
November 2021

Sunnymead MDP Line B-16A (4-8-00614-02)

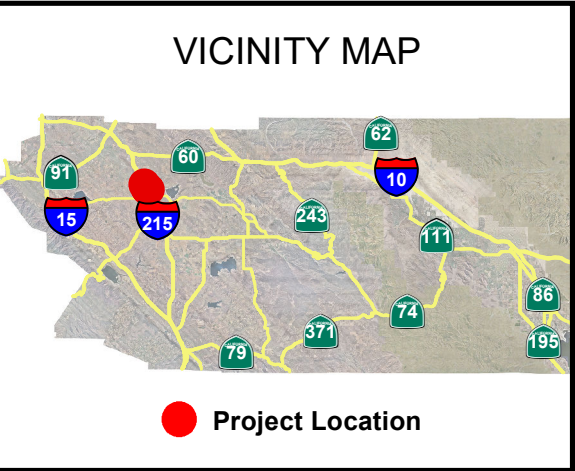
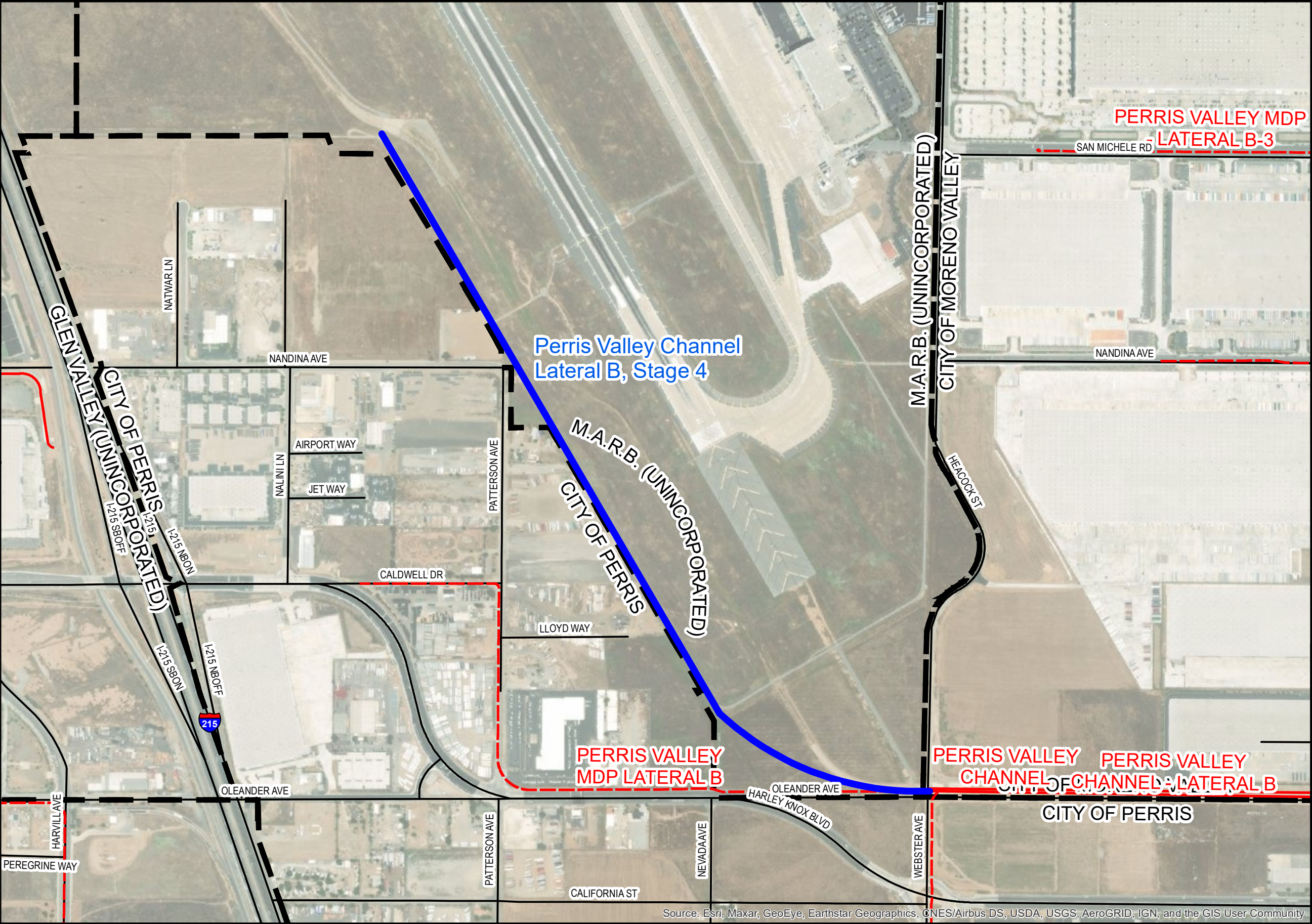
This is a City of Moreno Valley-led and District-funded project to reduce flooding problems along Kitching Street and the surrounding community. Line B-16A will collect the 10-year runoff from Kalmia Avenue and convey it approximately 3,100 lineal feet south along Kitching Street in an underground storm drain (24"-36") that discharges to an existing storm drain at Ironwood Avenue. Implementation of the project may also reduce erosion and sediment accumulation along Kitching Street. After the construction is complete, the City will operate and maintain the facility.

The funding agreement was executed October 6, 2020. The City is currently working on the design for the project.

Moreno MDP Line K-1 (4-8-00766-02)

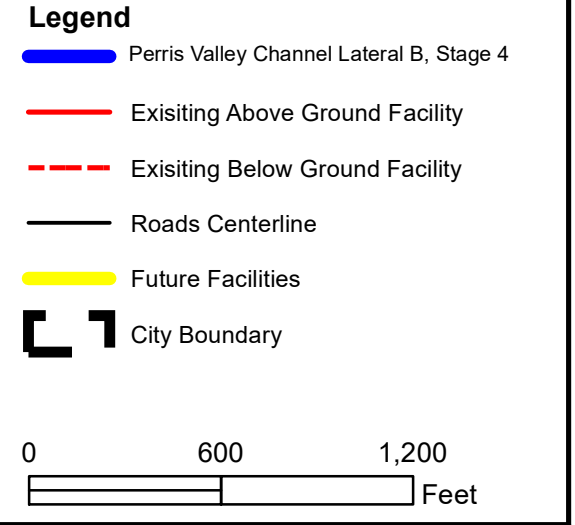
This City of Moreno Valley-led project consists of an underground facility that will reduce local and freeway flooding. The approximately 1,600 feet facility is located between Oliver Street and Petit Street along Ironwood Avenue. This project is funded by the District.

The District executed an amendment to the agreement between the City and the District to include a District contribution of \$2,500,000 toward the construction of the project. The project was advertised by the City of Moreno Valley in March 2021, awarded in May 2021, and a Notice to Proceed was granted to the Contractor in June 2021. Construction is currently ongoing for this project.



Description

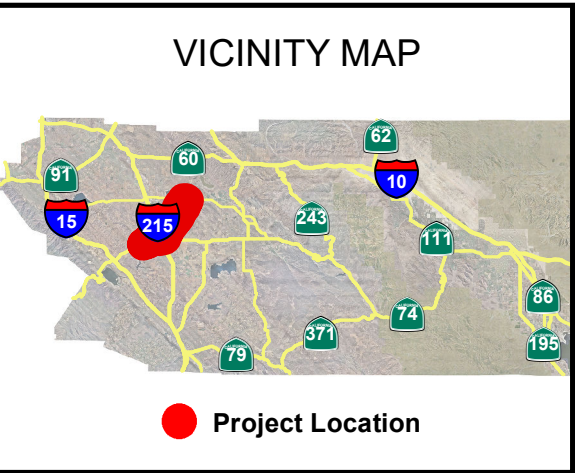
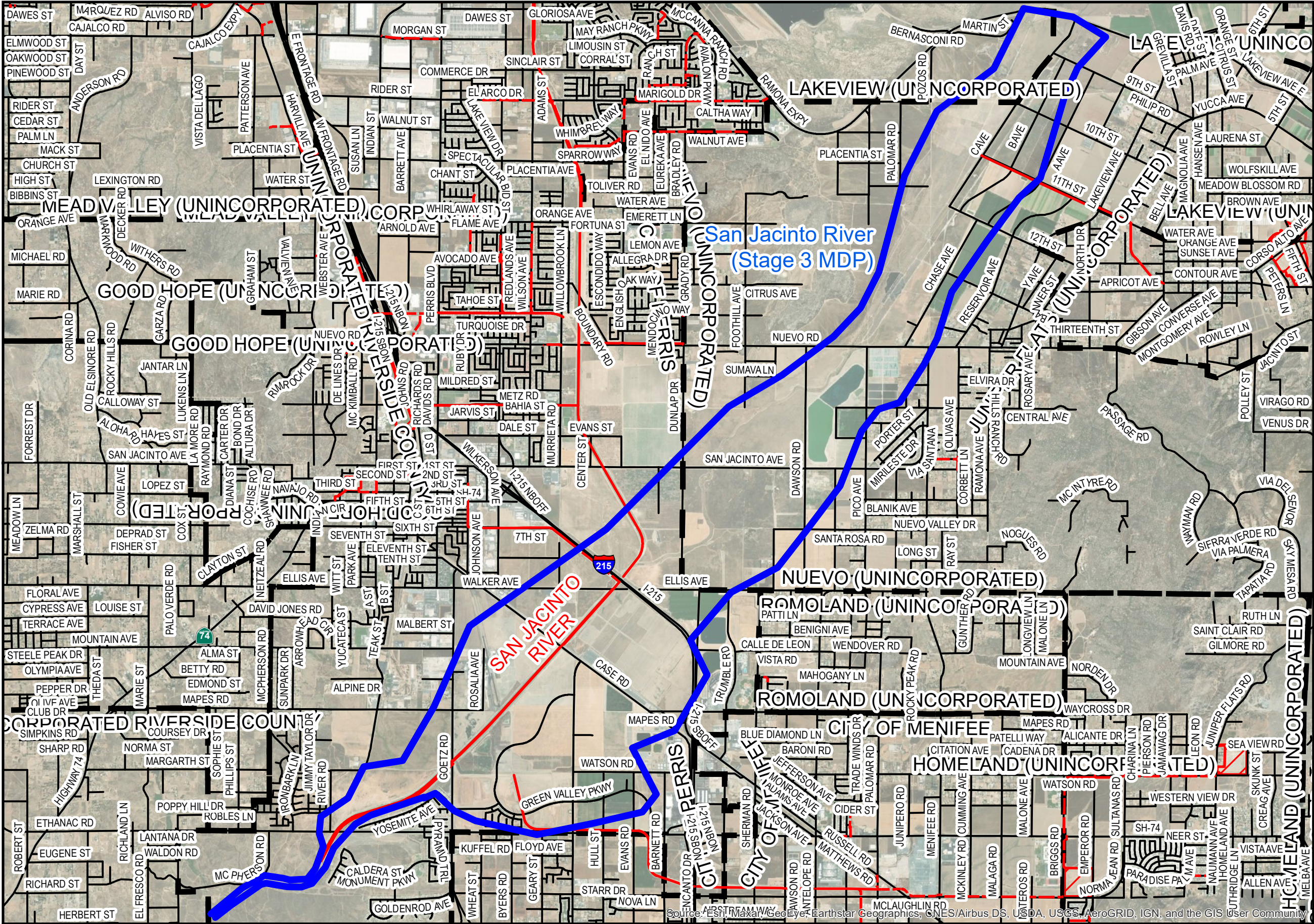
This is a District-led proposed storm drain improvement project of approximately 6,000 lineal feet of reinforced concrete box that will provide improved flood protection to the March Air Reserve Base (MARB) and adjacent properties. The project will collect the 100-year runoff from a proposed storm drain that will be constructed as part of a development between MARB and Interstate 215 and convey the water south to the existing Perris Lateral B Channel at Heacock Street.



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Perris Valley Channel Lateral B, Stage 4
Supervisorial District 5

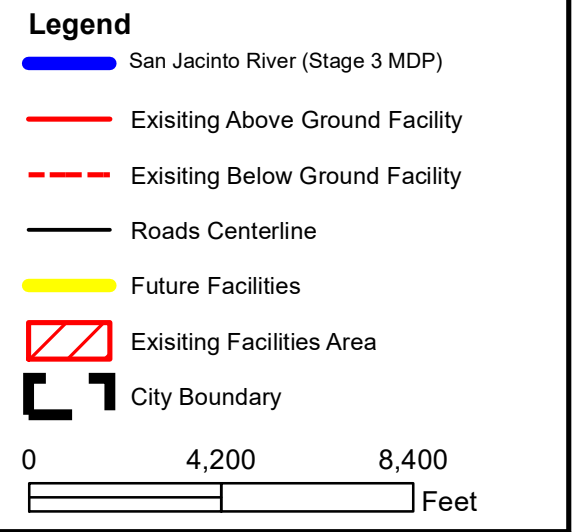


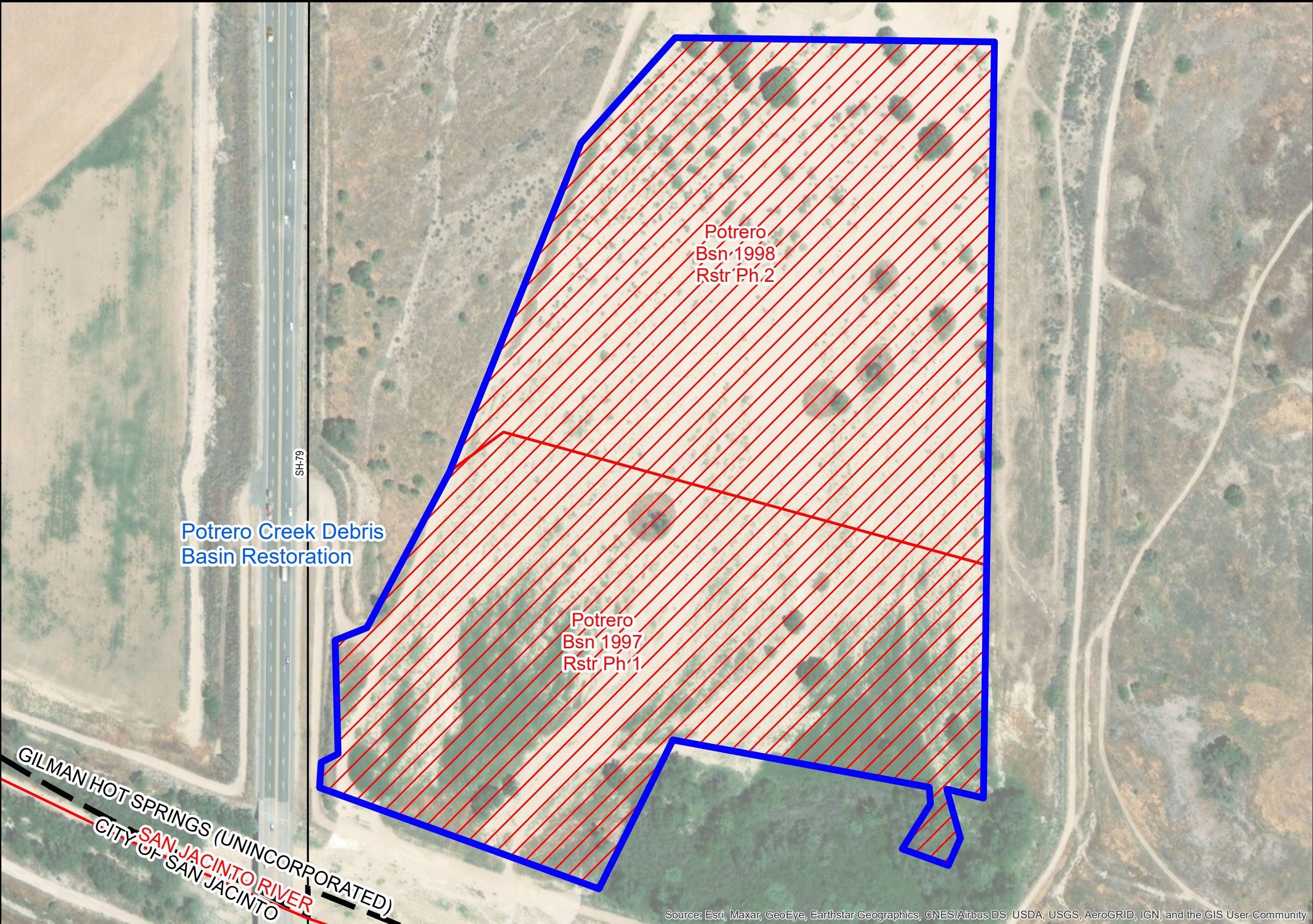
Project No.	4-8-00009
Engineer	M. Venable
Date Created	11/10/2021



Description

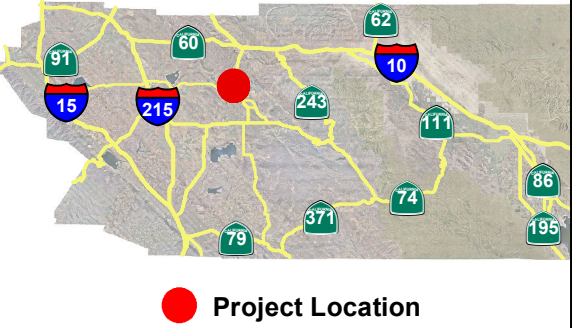
This is a District-led project to develop a master drainage plan along the nearly 10-mile reach of the San Jacinto River from Ramona Expressway to Railroad Canyon. The goal of the plan is to provide flood protection to critical transportation facilities; alleviate drainage concerns in the City of Perris; advance implementation of the Western Riverside Multiple Species Habitat Conservation Plan; and accommodate certain land development activity within the floodplain fringe.





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

VICINITY MAP

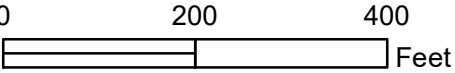


Description

District-led project to remove accumulated sediment from the existing basin to restore its capacity and function. An estimated 400,000 cubic yards of material will be removed.

Legend

- Potrero Creek Debris Basin Restoration
- Existing Above Ground Facility
- Roads Centerline
- Future Facilities
- Existing Facilities Area
- City Boundary



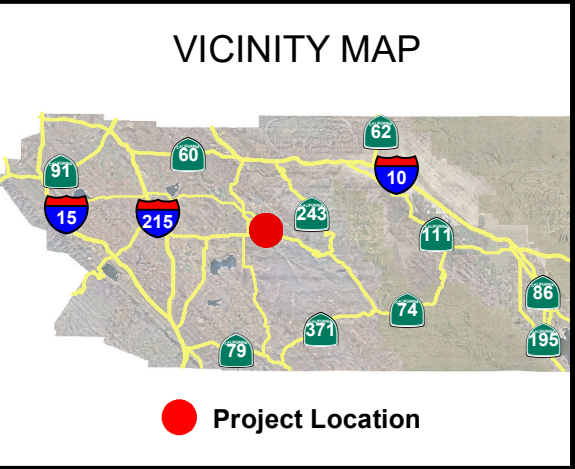
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Potrero Creek Debris Basin Restoration
Supervisory District 3



Project No.	4-8-00025
Engineer	A. Wells
Date Created	6/21/2021

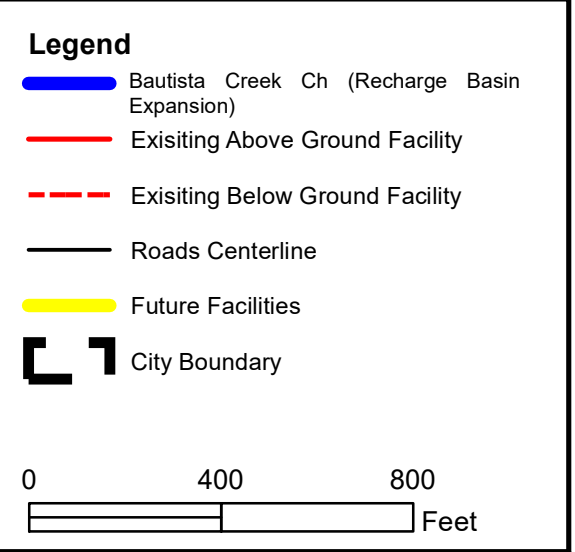


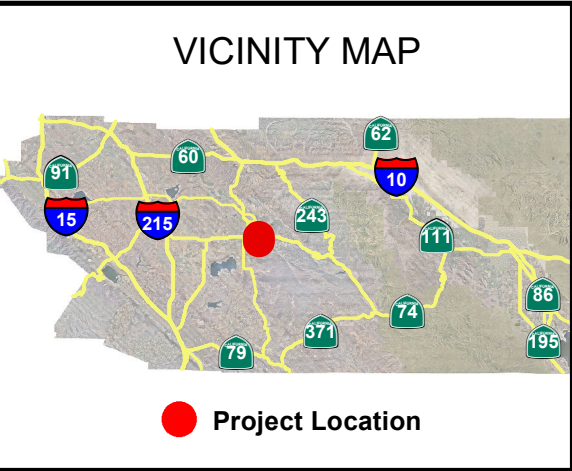
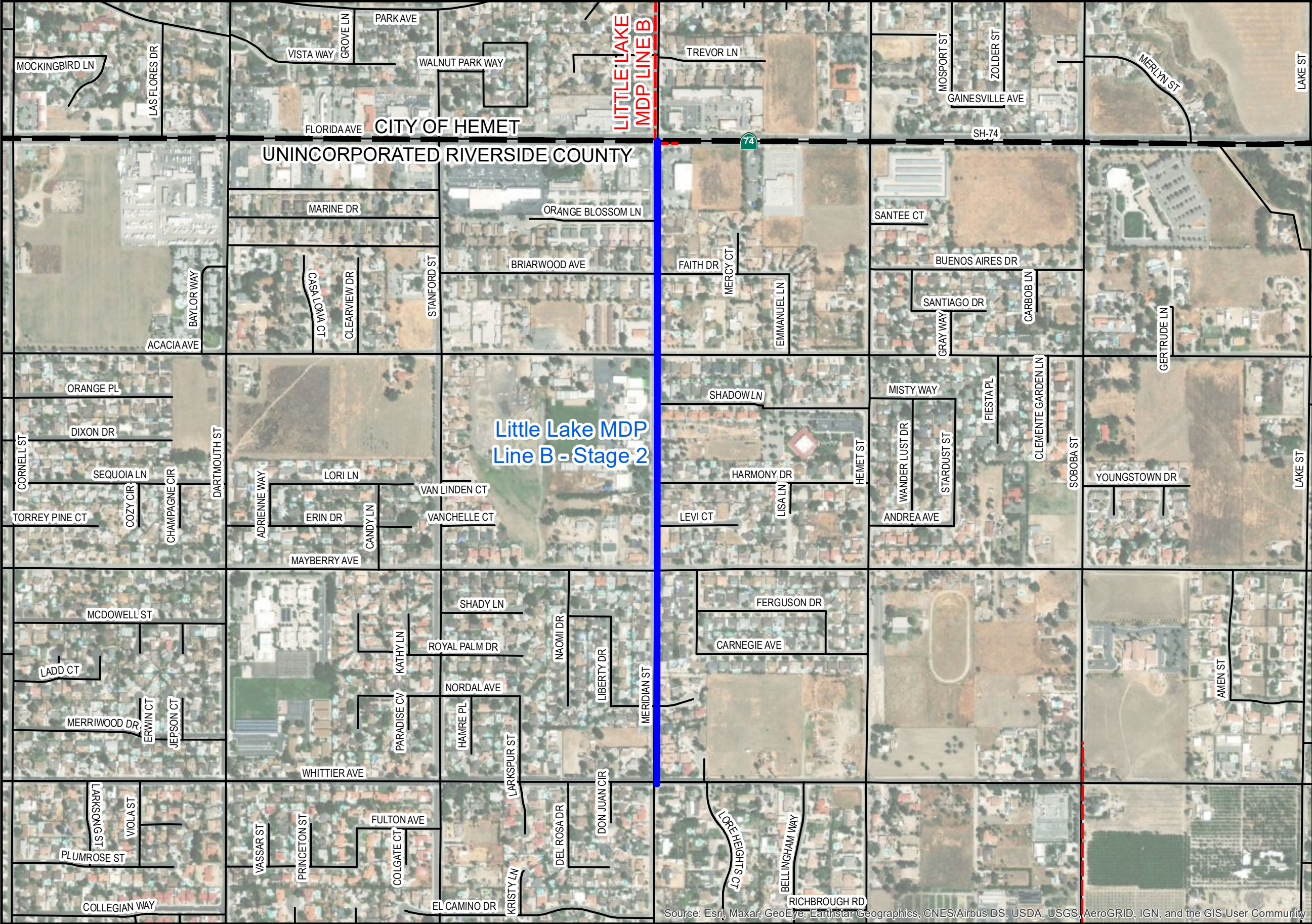
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Description

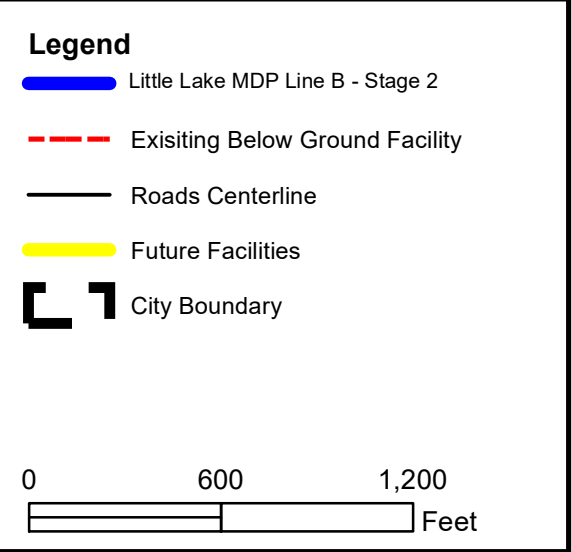
This District-led project, in partnership with Lake Hemet Municipal Water District, will expand groundwater recharge by constructing six infiltration basins on the existing 17.5 acres of open space adjacent to Bautista Creek Channel.

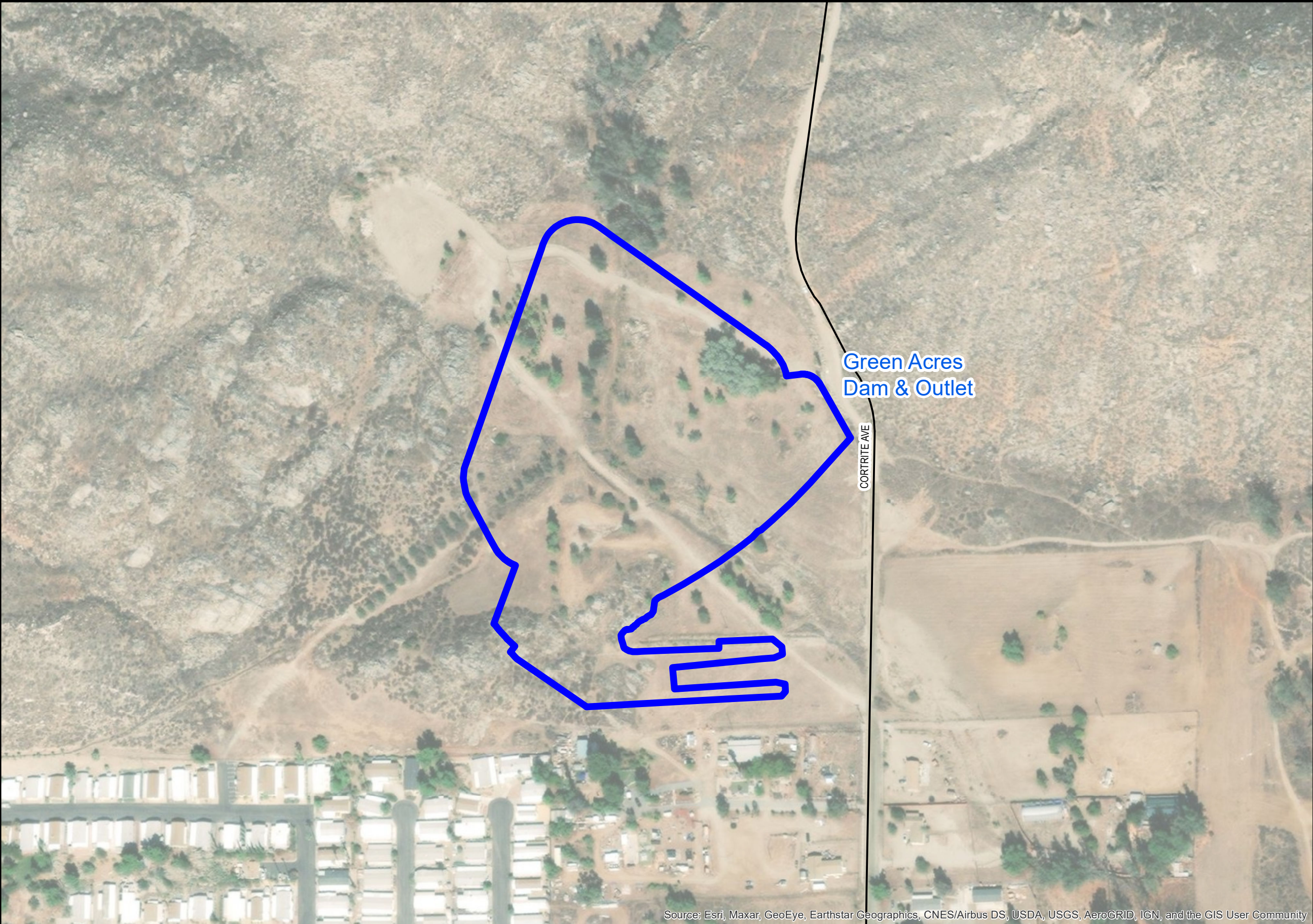




Description

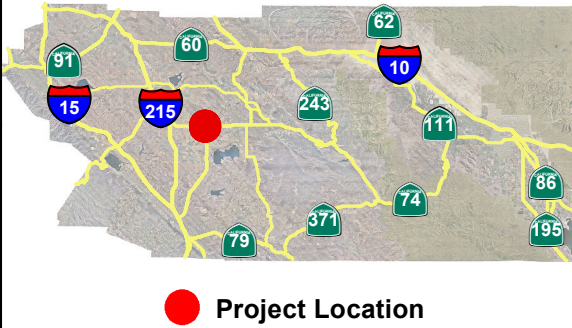
This is a District-led storm drain improvement project to install approximately 4,000 lineal feet of underground storm drain along Meridian Street. The primary objective for this project is to provide 100-year flood protection to the properties west of Meridian Street between Florida Avenue/Highway 74 and Whittier Avenue. This project will collect storm runoff that reaches Meridian Street beginning at Whittier Avenue and convey the flows northerly to the existing Little Lake MDP Line B, Stage 1 facility at Florida Avenue/Highway 74. This storm drain will also facilitate future master-planned storm drains that will extend easterly in Acacia Avenue, Mayberry Avenue, and Whittier Avenue.





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

VICINITY MAP

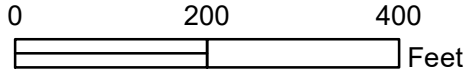


Description

This is a District-led proposed earthen dam project with an approximately 50' high embankment, 900' long crest, 150 acre-feet storage capacity, and two square miles of tributary area. The primary objective of this project is to reduce flooding of the Green Acres neighborhood near Cortrite Avenue at Highway 74 and south along Highway 79.

Legend

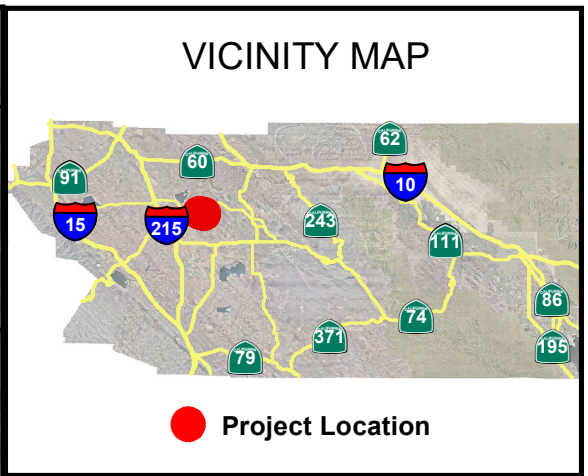
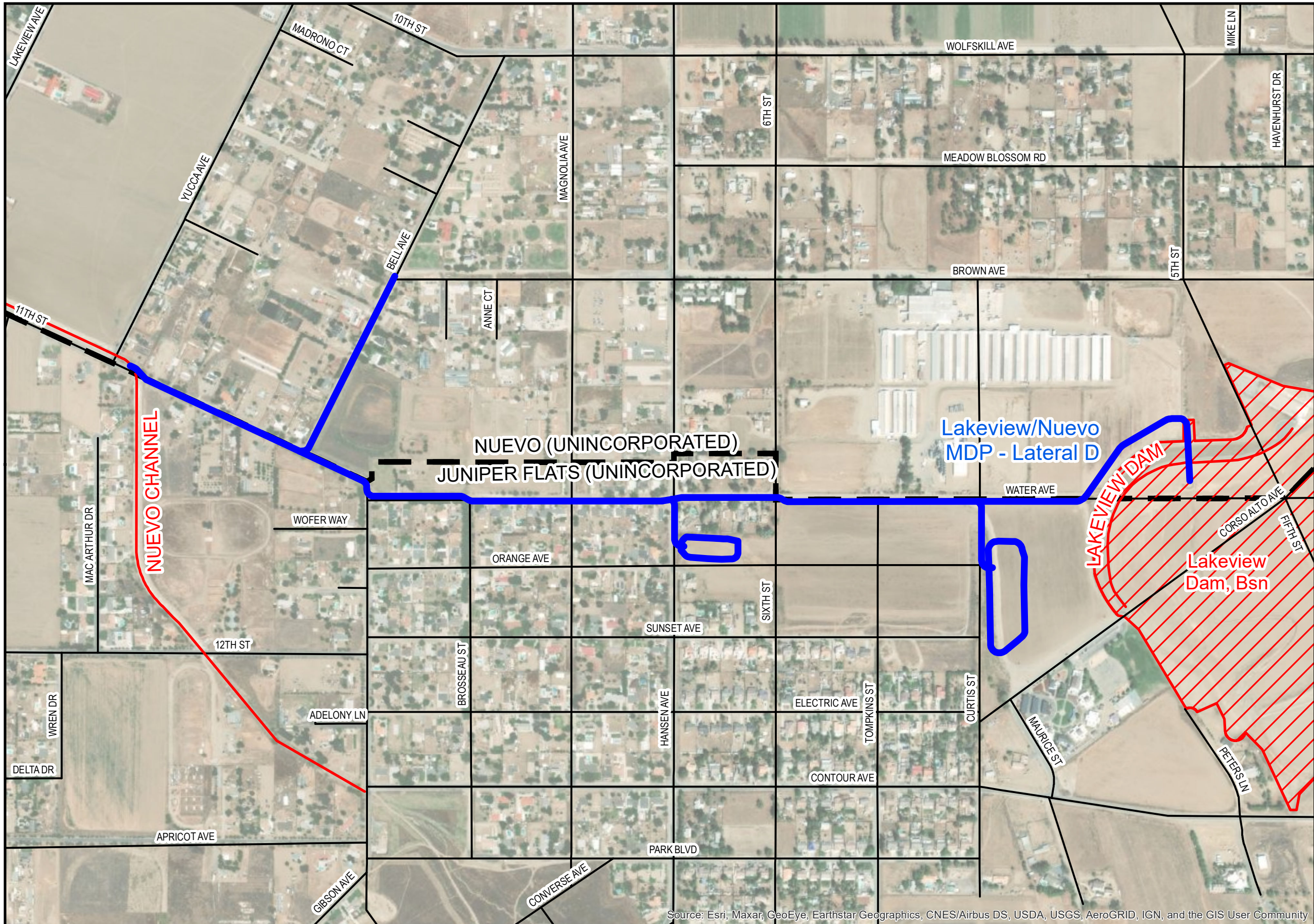
-  Green Acres Dam & Outlet
-  Roads Centerline
-  Future Facilities
-  City Boundary



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Green Acres Dam & Outlet
Supervisory District 3

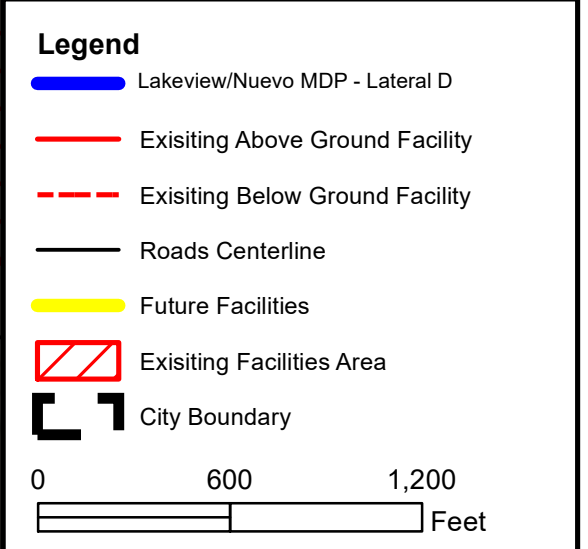


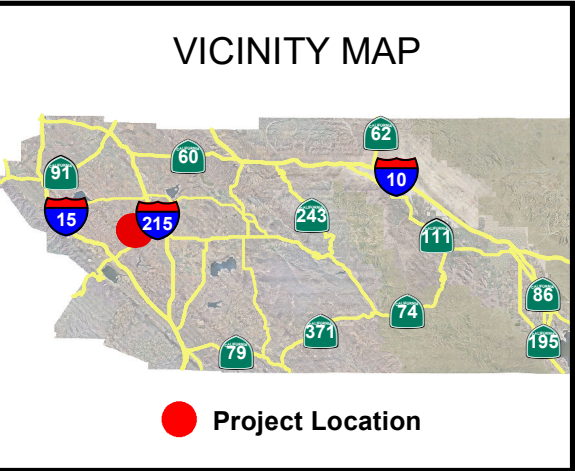
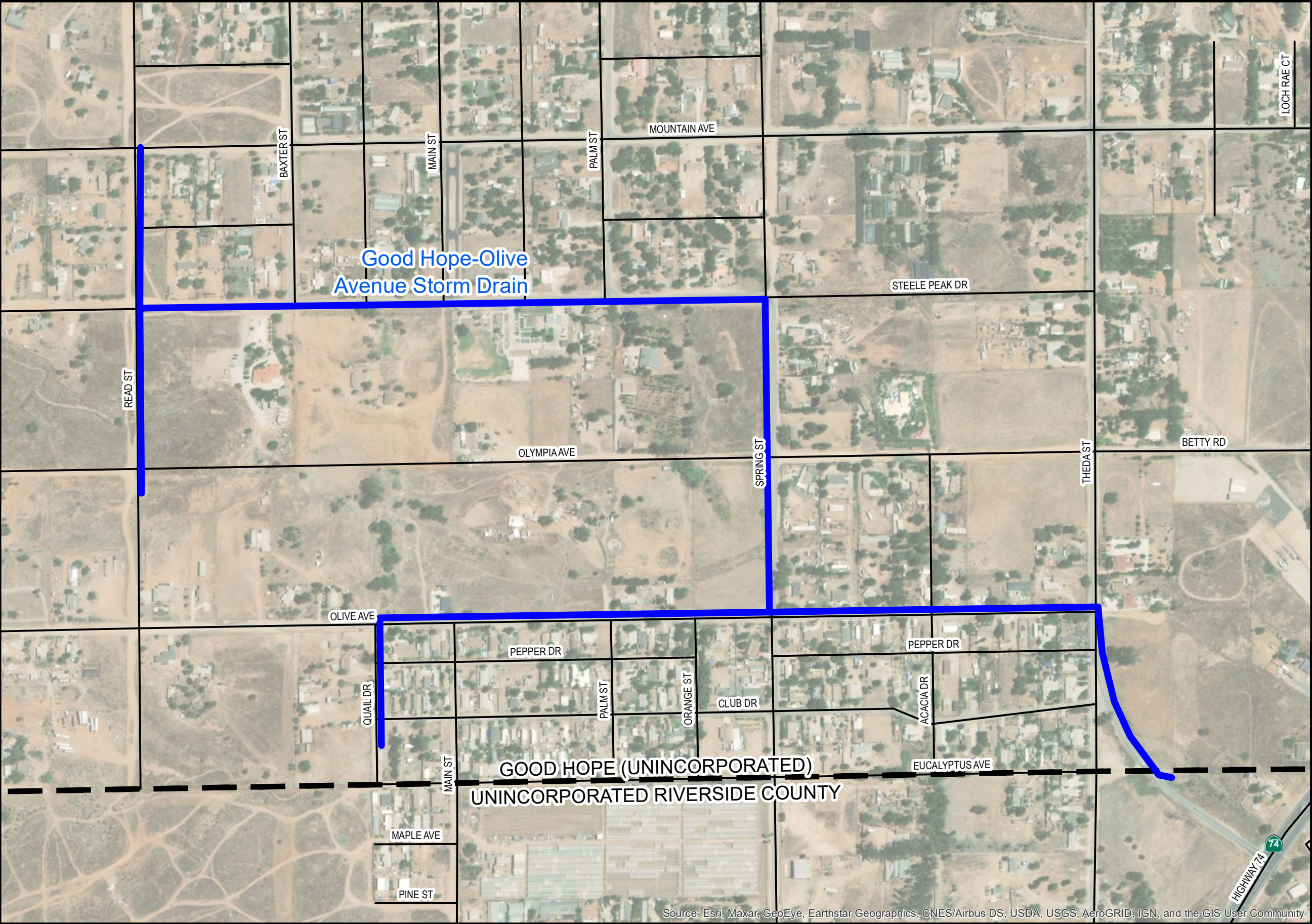
Project No.	4-8-00330
Engineer	R. Gosliga
Date Created	11/10/2021



Description

This is a District-led storm drain project to install approximately 9,100 lineal feet of various sized pipe (30"-84") and construction of potentially two detention basins to attenuate flows. The primary objective of this project is to provide an adequate outlet for the existing Lakeview Dam and to reduce or eliminate the existing Federal Emergency Management Agency floodplain. The project collects flows from Lakeview Dam and captures storm runoff along the project alignment, conveys them in an underground pipe west along Water Avenue, and discharges into the existing Nuevo Channel at Yucca Avenue and 11th Street. Storm runoff from Brown Avenue will also be collected east of the Bell Avenue intersection and conveyed in an underground pipe south along Bell Avenue to Lateral D in Water Avenue.





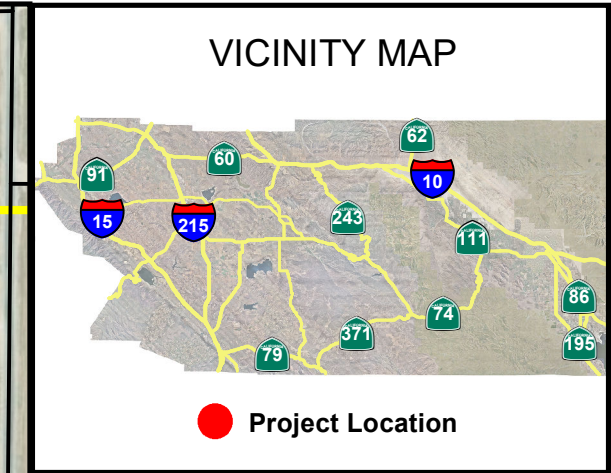
Description

This is a District-led proposed storm drain improvement project approximately 7,389 lineal feet of various size pipe (36" – 90") that will provide 100-year flood protection to the properties between Quail Drive and Spring Street, and properties east of Spring Street and west of Theda Street between Olive Avenue and Eucalyptus Avenue. The project will collect storm flows from various points within the neighborhood and convey them to the culvert crossing on Highway 74 just east of Theda Street.

Legend

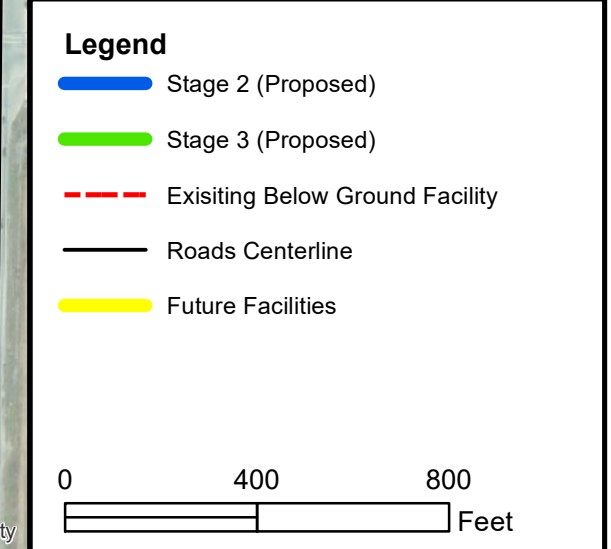
- Good Hope-Olive Avenue Storm Drain
- Roads Centerline
- Future Facilities
- City Boundary

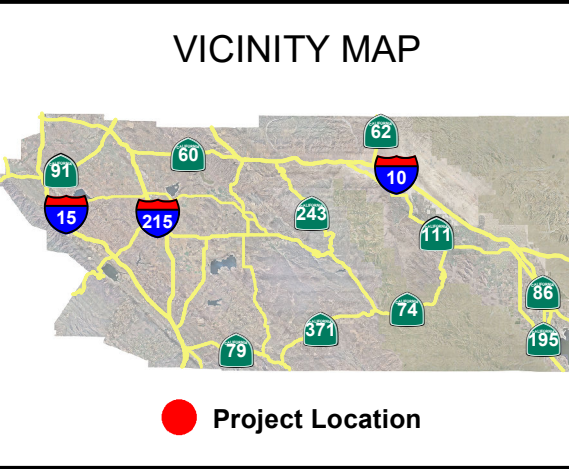
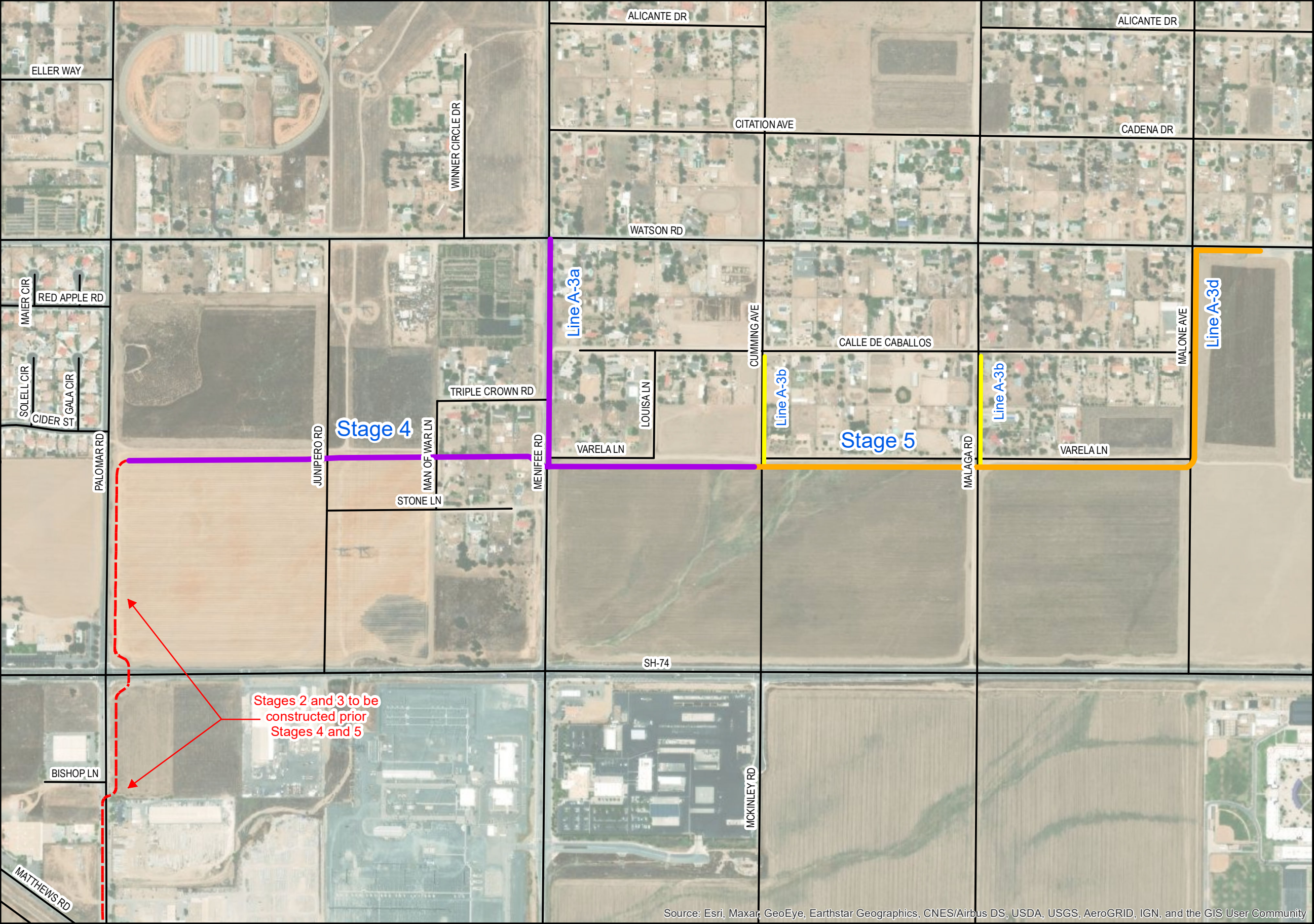
0 400 800 Feet



Description

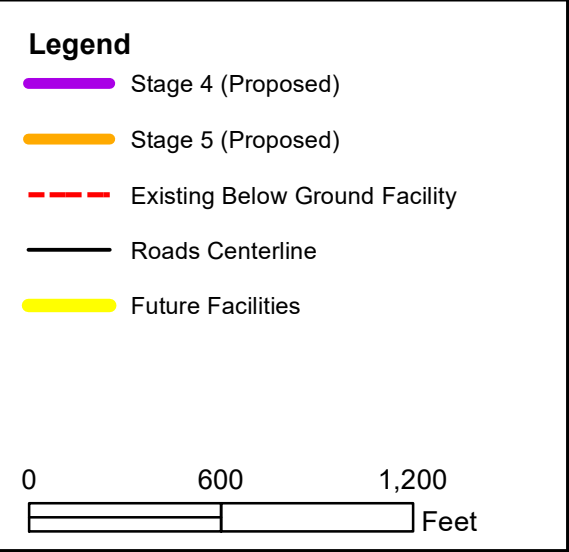
This is a District-led project that will ultimately protect existing neighborhoods along Varella Lane, and properties south of Varella Lane and east of Palomar Street. Stage 1 of Line A-3 was already constructed near Case Road in Palomar Street. Stages 2 and 3 will extend this storm drain system north in Palomar Road to Varella Lane. The total length of these two stages is approximately 3,200 feet of underground box storm drain (12'Wx6.5'H). This project also enables the future construction of Stages 4 and 5 which extend east along Varella Lane. The full benefit of this project will not be realized until Stages 4 and 5 are also constructed.

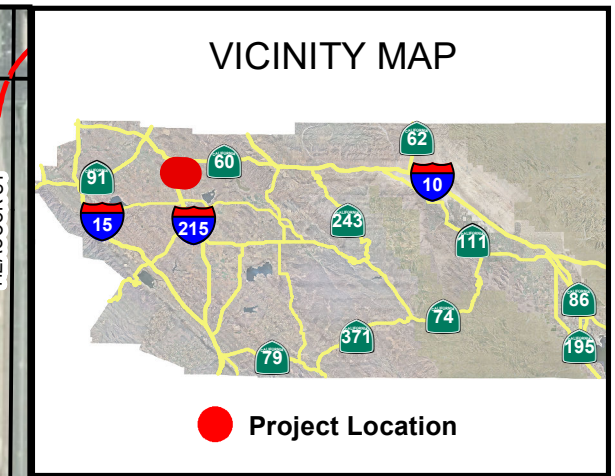
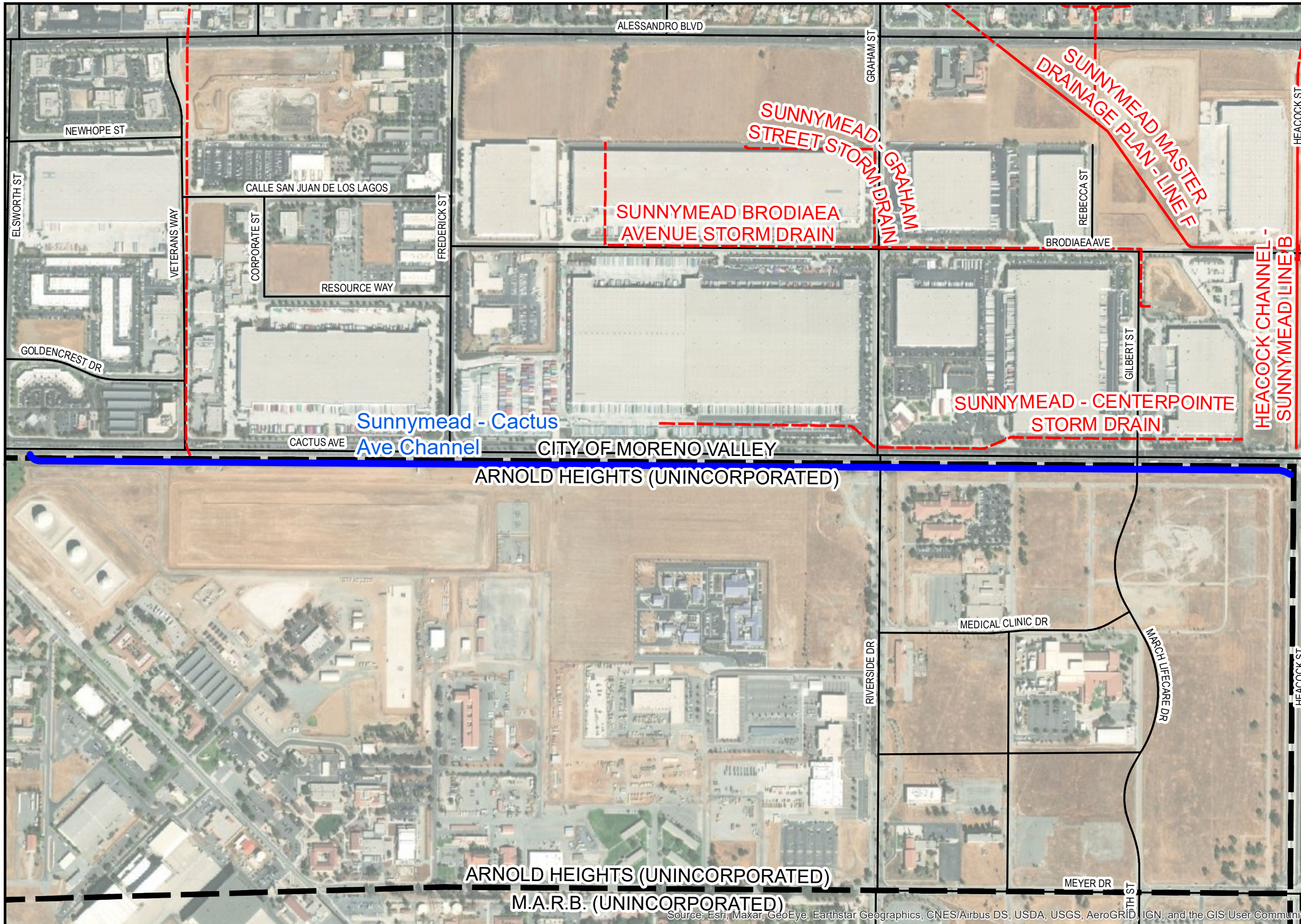




Description

This District-led project will follow the construction of Stages 2 and 3. Stages 4 and 5 will extend this storm drain system east along Varela Lane from Palomar Road to Malone Avenue. The total length of these two stages is approximately 6,510 lineal feet of underground reinforced concrete box and open channel. Once the entire Line A-3 is completed, the system will help protect properties located along Varela Lane and east of Palomar Road.





Description

This project is proposed as a partnership between the District, March Joint Powers Authority (MJP), March Air Reserve Base (MARB), the City of Moreno Valley, and two development interests on MJP land to construct approximately 1.5 miles of reinforced concrete box along the south side of Cactus Avenue from Elsworth Street to Heacock Street. The facility will collect flows from existing storm drains within the city of Moreno Valley and convey flows east to the existing Heacock Channel. The project will provide flood protection to MARB properties within MJP land to Cactus Avenue.

Legend

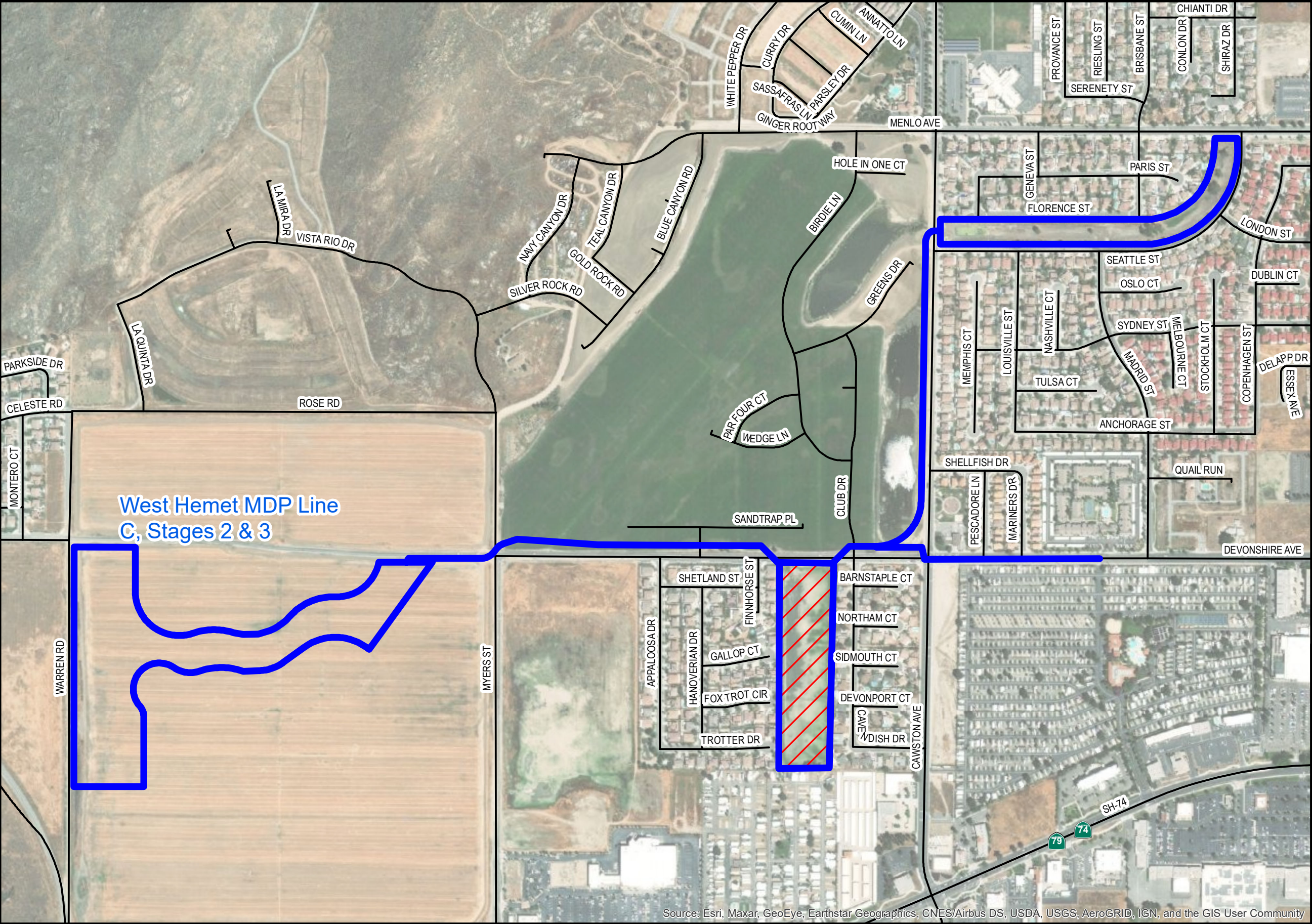
- Sunnymead - Cactus Ave Channel
- Existing Above Ground Facility
- - - Existing Below Ground Facility
- Roads Centerline
- Future Facilities
- City Boundary

0

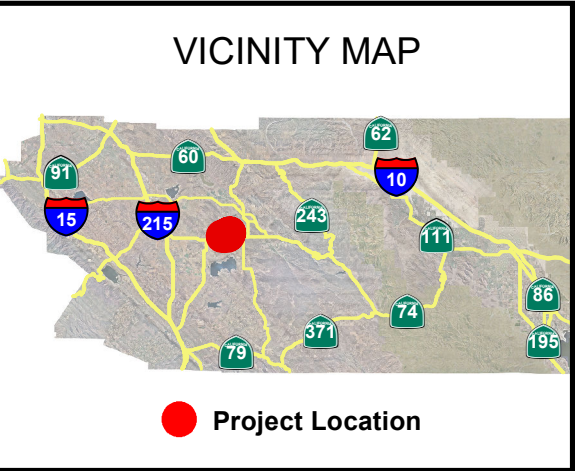
600

1,200

Feet

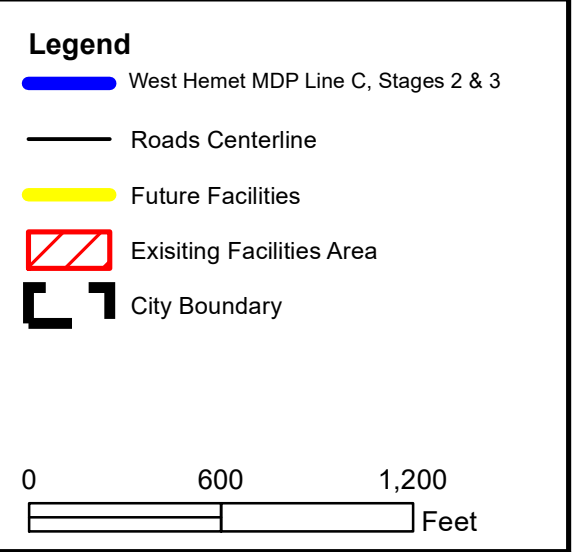


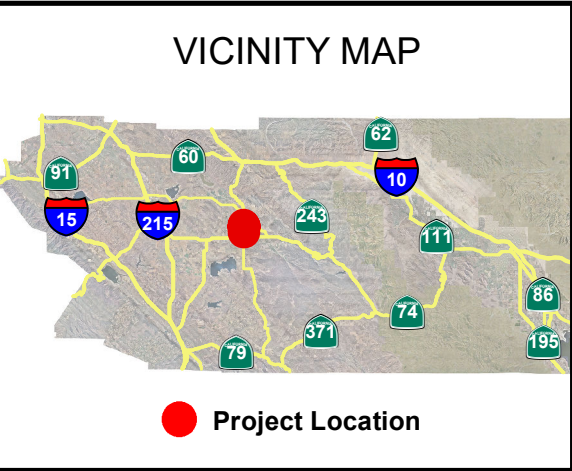
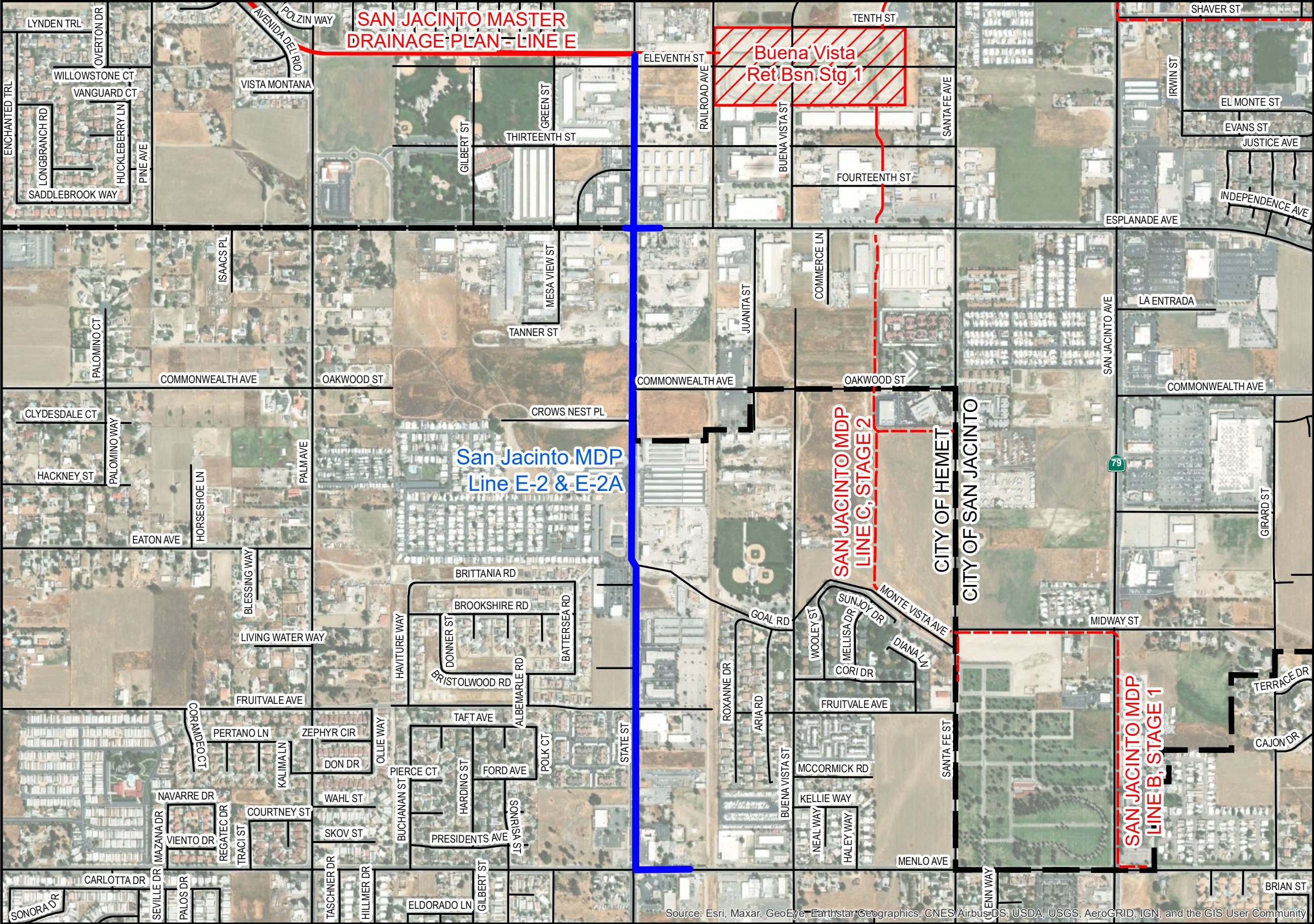
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Description

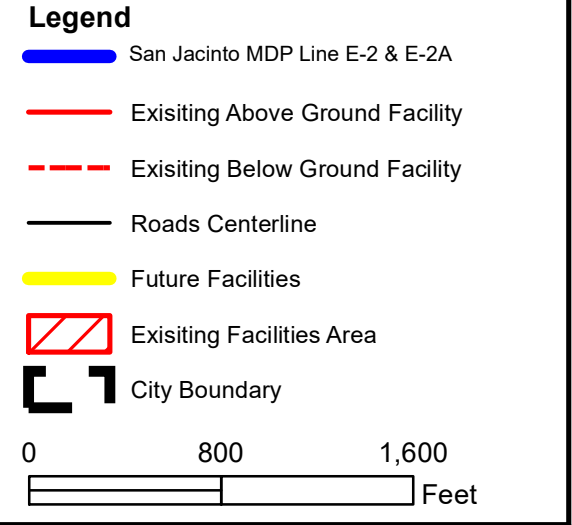
This project has been previously referred to as West Hemet MDP Interim Improvements (4-8-09068). The District and City of Hemet will be partnering with Developers for Tracts 36510 and 36759 in the design and construction of the drainage channel to provide flood protection to the surrounding community. The system consists of approximately 4,700 lineal feet of primarily earthen open channel which will convey flows from the existing City maintained Seattle Basin along Cawston Avenue and westerly along Devonshire Avenue (West Hemet Line C, Stage 3). Stage 3 will be designed by the Developer and will be constructed by the District. The system will continue across Myers Street as an underground reinforced concrete box storm drain for approximately 600 lineal feet southwesterly of Myers Street and Devonshire Avenue (West Hemet Line C, Stage 2) and will outlet into a privately maintained basin for Tract 36510 (Ramona Creek Basin); Stage 2 will be designed and

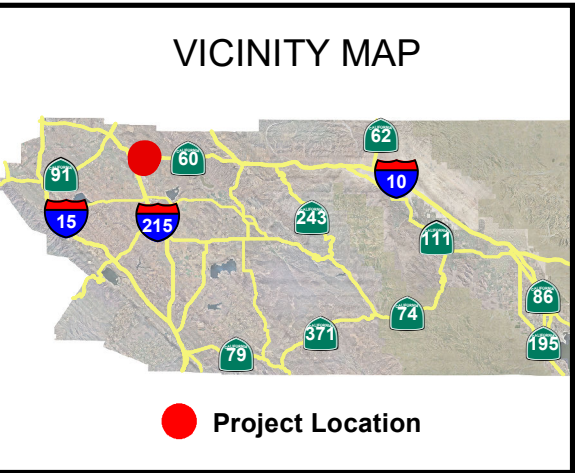
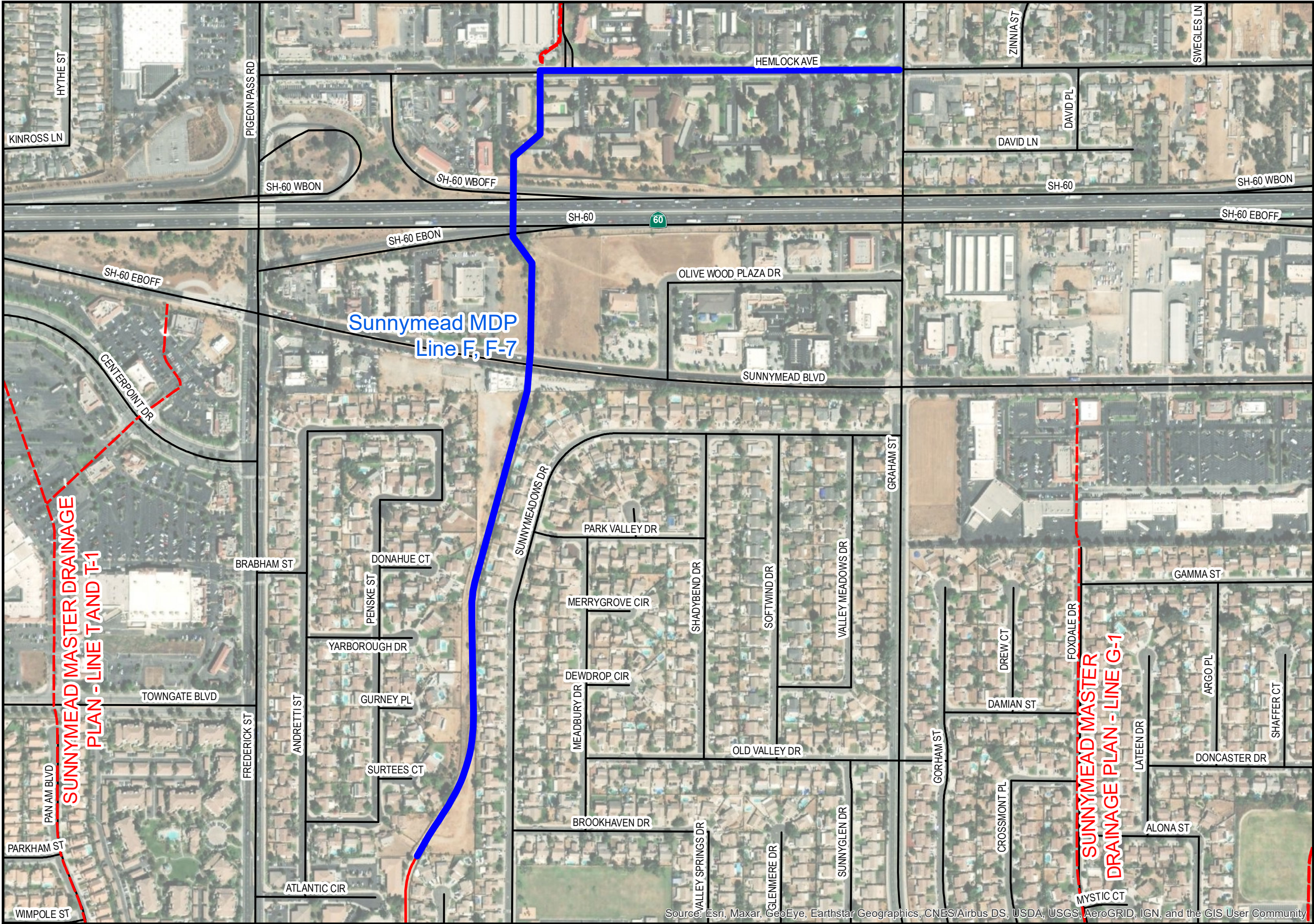




Description

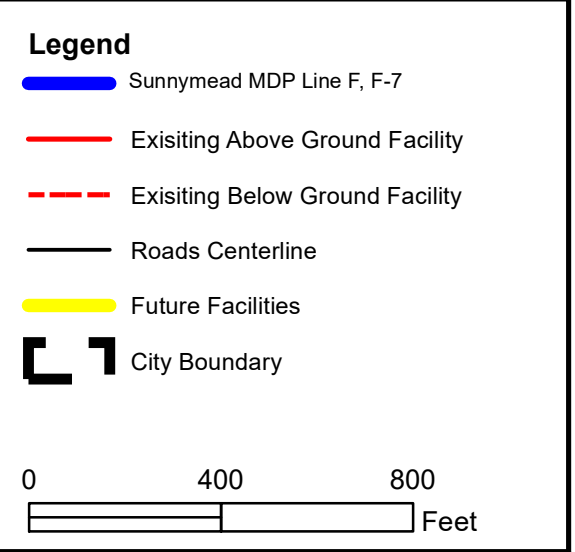
This City of San Jacinto-led project to provide flood protection to properties along State Street. The project consists of an underground storm drain ranging in pipe diameter from 30 to 72 inches that will collect 100-year storm runoff beginning in Menlo Avenue approximately 600 feet east of State Street 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.

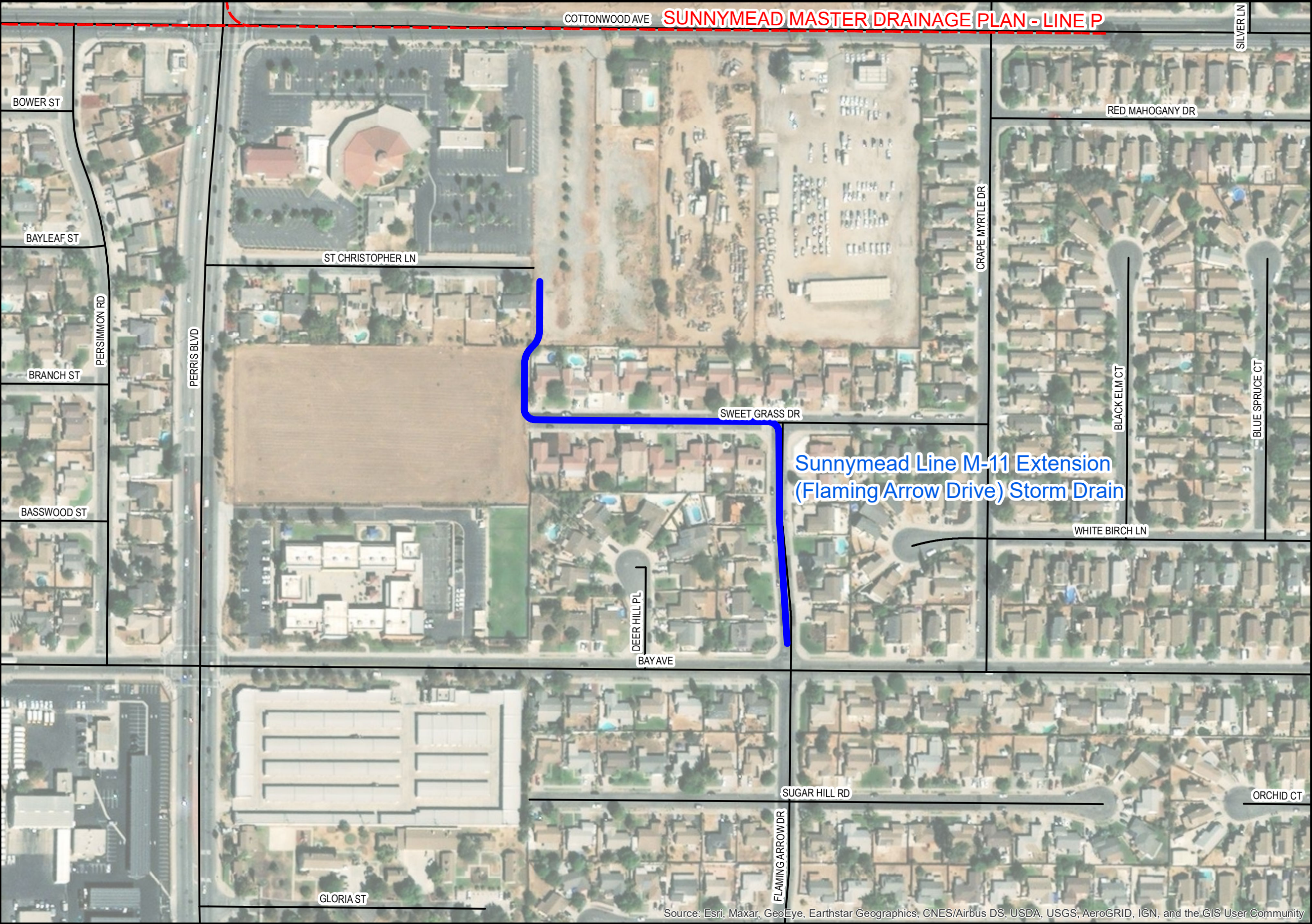




Description

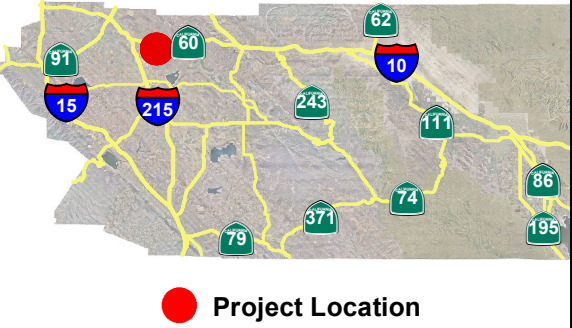
This City of Moreno Valley-led project will reduce flooding for the homes and apartments along Hemlock Avenue, the businesses on Sunnymead Boulevard, and homes and local streets between Sunnymead Boulevard and Eucalyptus Avenue. The project will begin north of the 60 Freeway near Hemlock Avenue and Graham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





SUNNYMEAD MASTER DRAINAGE PLAN - LINE P

VICINITY MAP

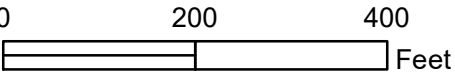


Description

This project is a partnership between the District and the City of Moreno Valley. The goal of this project is to capture runoff that is flooding the properties along St. Christopher Lane. The project will construct a storm drain that will extend from Bay Avenue north and west to St. Christopher Lane.

Legend

- Sunnymead Line M-11 Extension (Flaming Arrow Drive) Storm Drain
- Existing Below Ground Facility
- Roads Centerline
- Future Facilities
- City Boundary

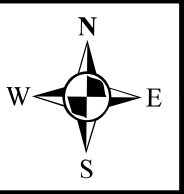




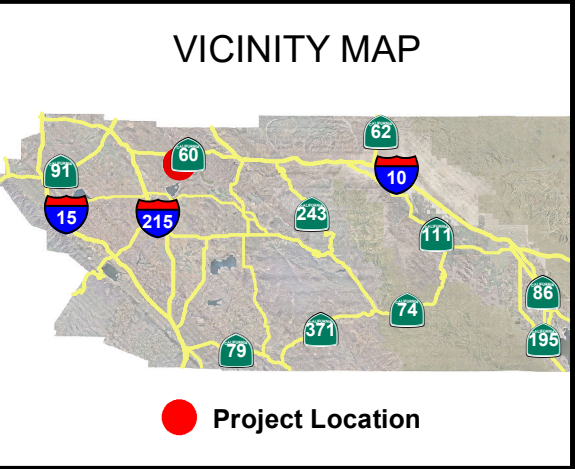
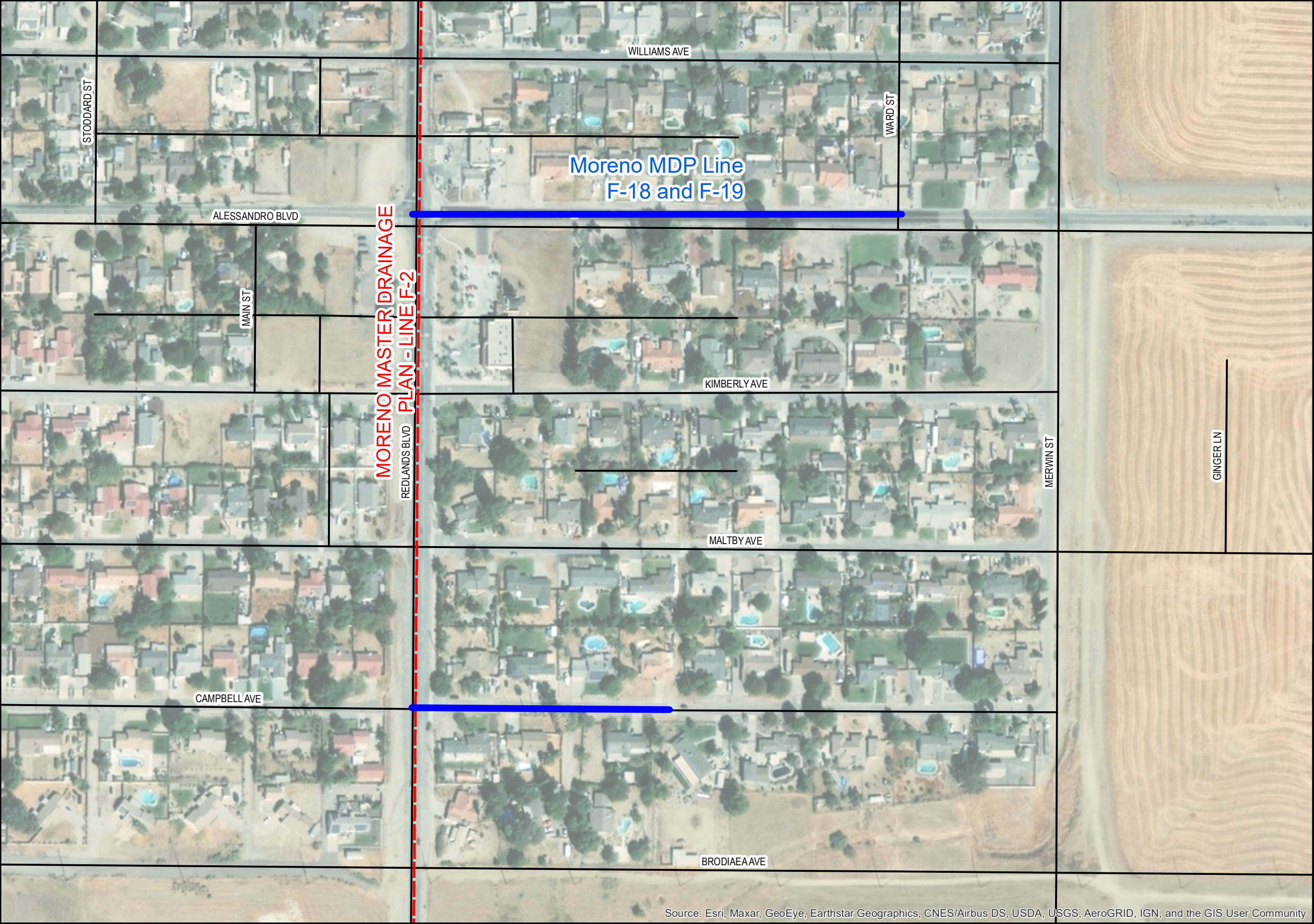
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

Sunnymead Line M-11 Extension (Flaming Arrow Drive) Storm Drain

Supervisorial District 5



Project No.	4-8-00365
Engineer	A. Leung
Date Created	6/21/2021



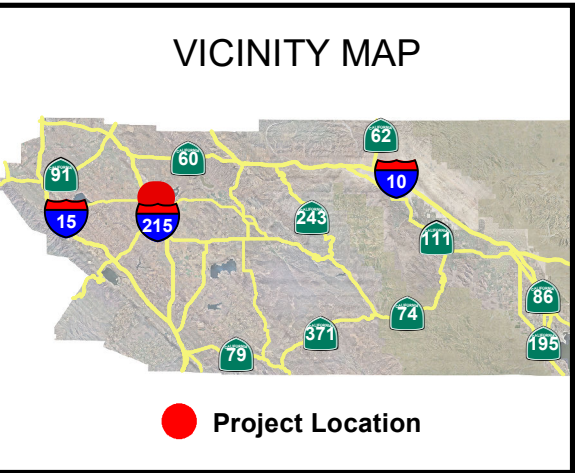
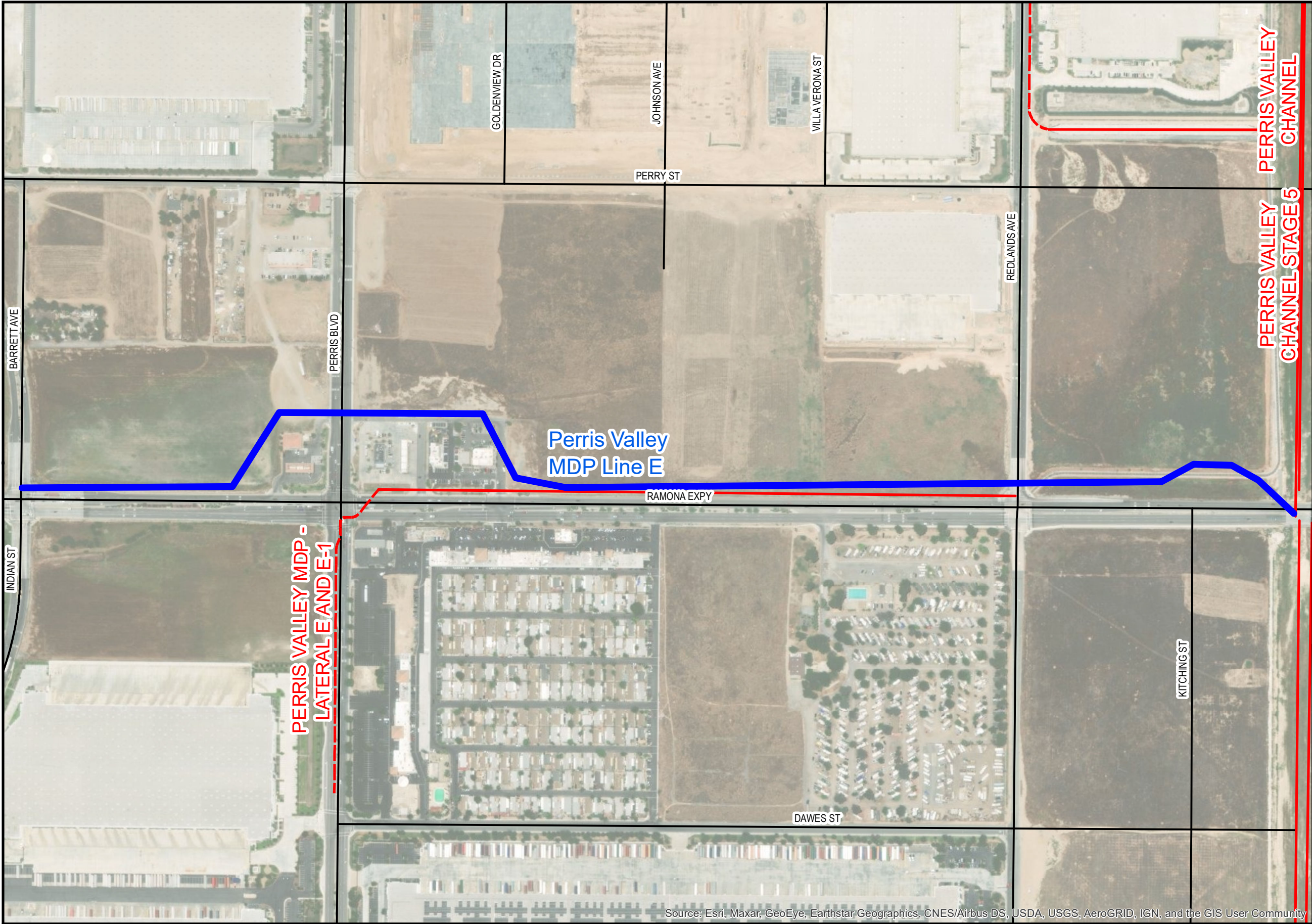
Description

City of Moreno Valley-led project includes both MDP Lines F-18 and F-19 with 1,555 lineal feed of various size pipe (24"-54"). Line F-18 will capture flows in Alessandro Boulevard between Merwin Street and Redlands Boulevard and convey them to the existing MDP Line F-2 in Redlands Boulevard. Line F-19 will capture flows within the first 550 feet of Brodiaea Avenue and convey them to the existing Line F-2.

Legend

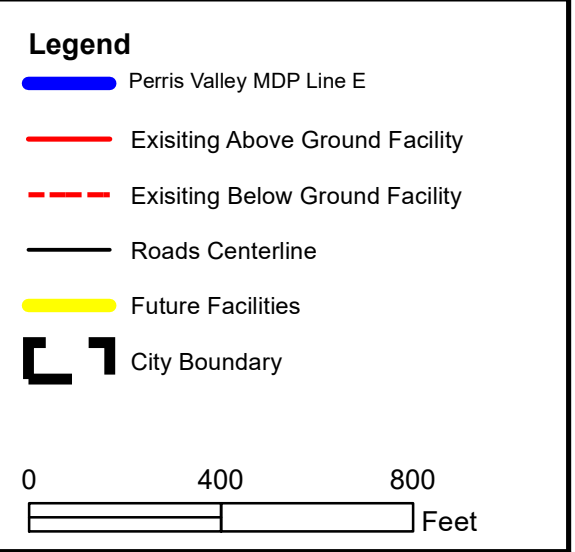
- Moreno MDP Line F-18 and F-19
- Existing Below Ground Facility
- Roads Centerline
- Future Facilities
- City Boundary

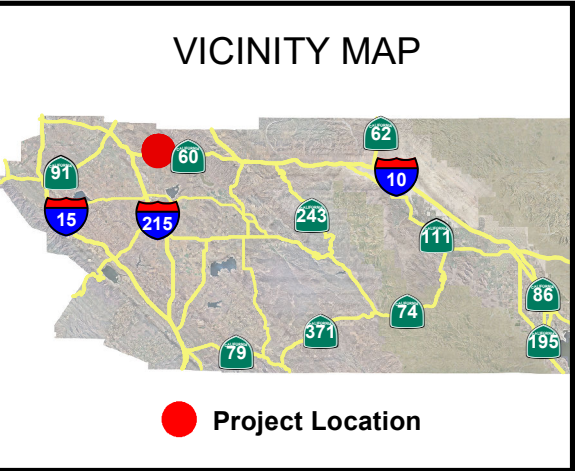
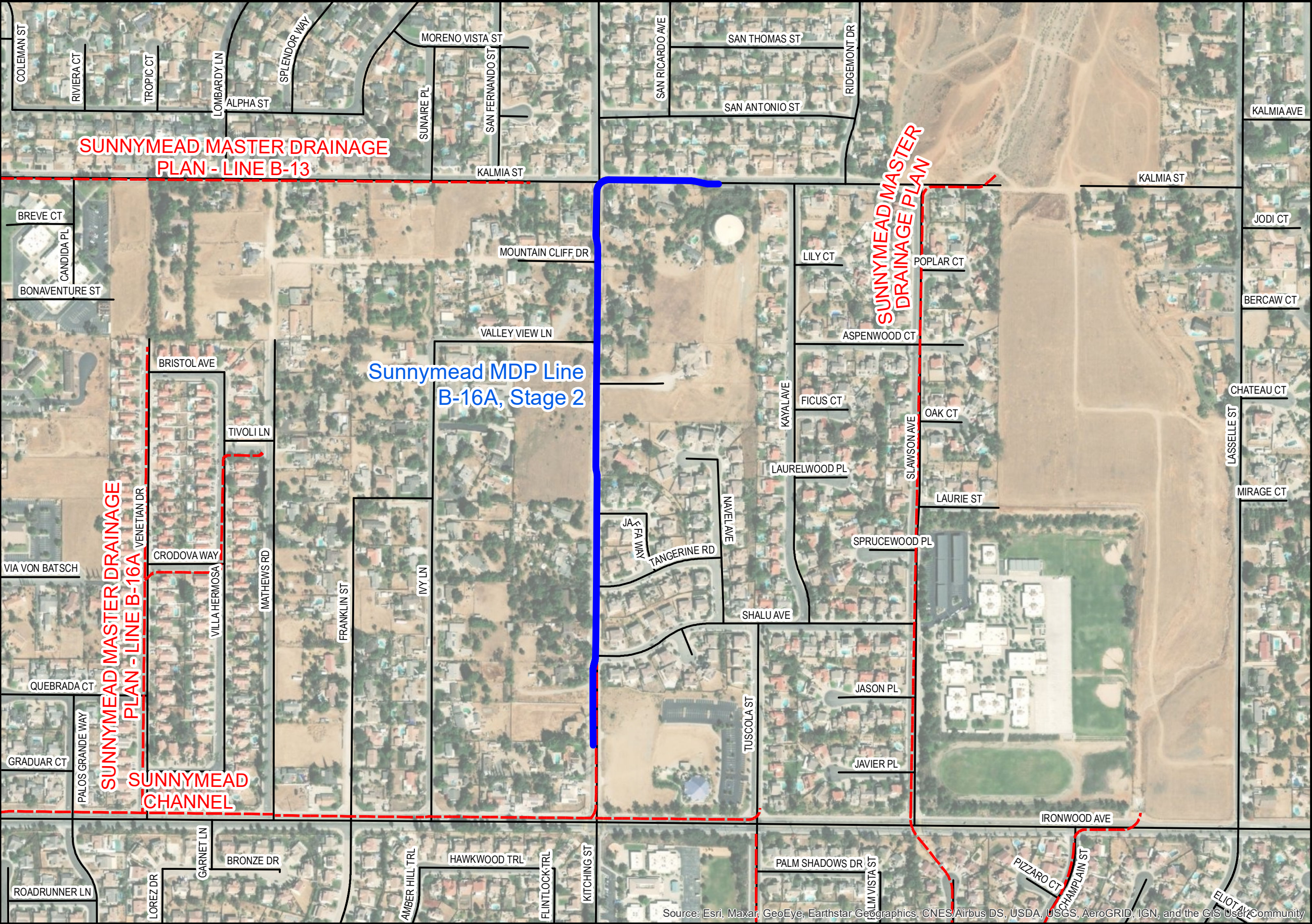
0 200 400 Feet



Description

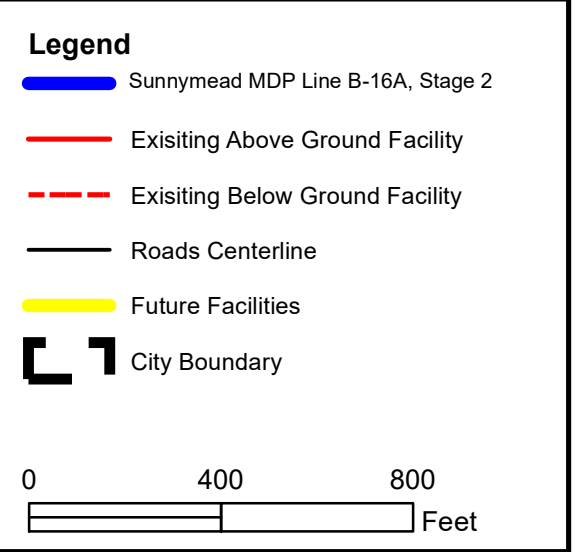
This City of Perris-led project involves the construction of a storm drain facility approximately 5,540 feet on the north side of Ramona Expressway from Indian Avenue to the Perris Valley Channel to alleviate flooding at the intersection of Ramona Expressway and Perris Boulevard and serve as an outlet for existing storm drains that have been constructed in the area.

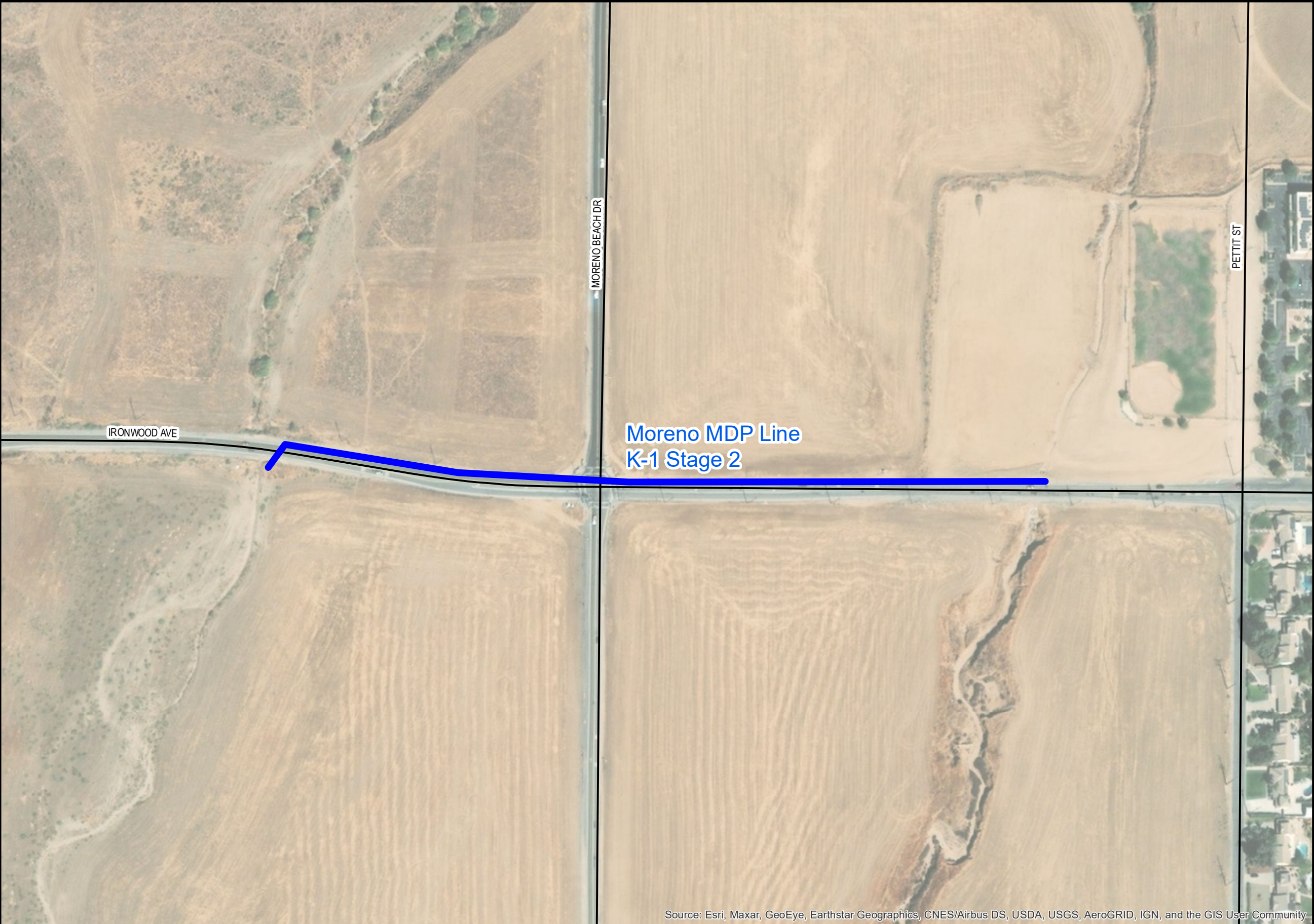




Description

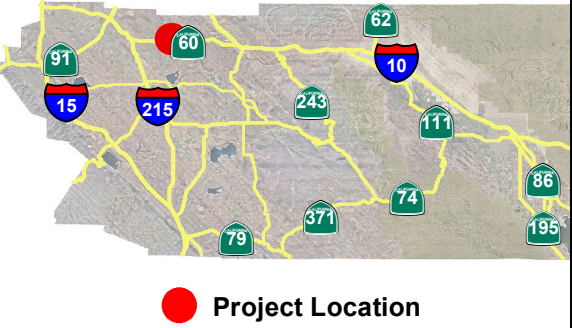
This is a City of Moreno Valley-led and District-funded project to reduce flooding problems along Kitching Street and the surrounding community. Line B-16A will collect the 10-year runoff from Kalmia Avenue and convey it approximately 3,100 lineal feet south along Kitching Street in an underground storm drain (24"-36") that discharges to an existing storm drain at Ironwood Avenue. Implementation of the project may also reduce erosion and sediment accumulation along Kitching Street.





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

VICINITY MAP

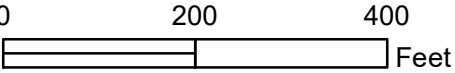


Description

This City of Moreno Valley-led project consists of an underground facility that will reduce local and freeway flooding. The approximately 1,600 feet facility is located between Oliver Street and Petit Street along Ironwood Avenue.

Legend

-  Moreno MDP Line K-1 Stage 2
-  Roads Centerline
-  Future Facilities
-  City Boundary



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



Project No.	4-8-00766
Engineer	J. Adams
Date Created	6/21/2021

Zone 4 Budget Hearing

December 9, 2021



For attendees participating via TEAMS:

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



Available
Funding

Sunita Jain

Administrative Services Supervisor

ZONE 4

ROY "PETE" BLECKERT, 5th District
KEN GRAFF, 3rd District
BRAD SCOTT, split 3rd/5th District

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

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

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



Fund Balance for FY 2020–2021

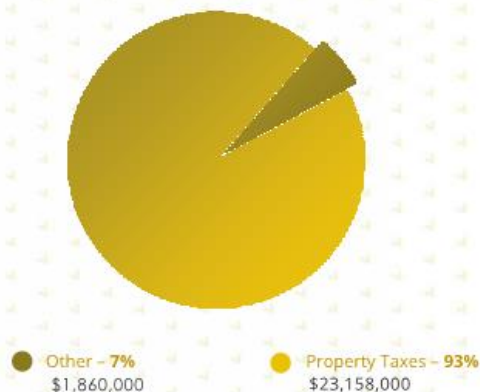
JULY 1, 2020 \$57,088,125

JUNE 30, 2021 \$63,087,096

Sources

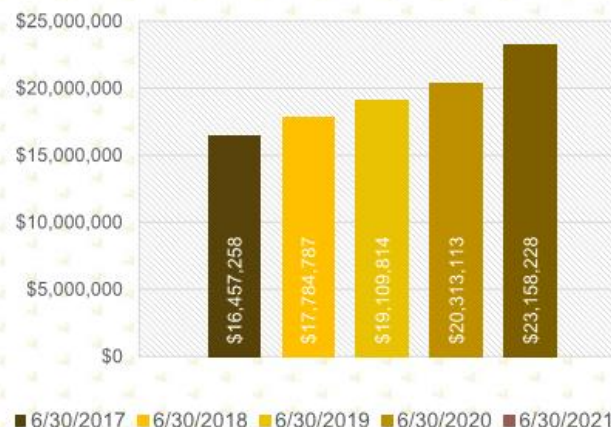
(Where the money comes from)

TOTAL \$25,018,000



Property Taxes

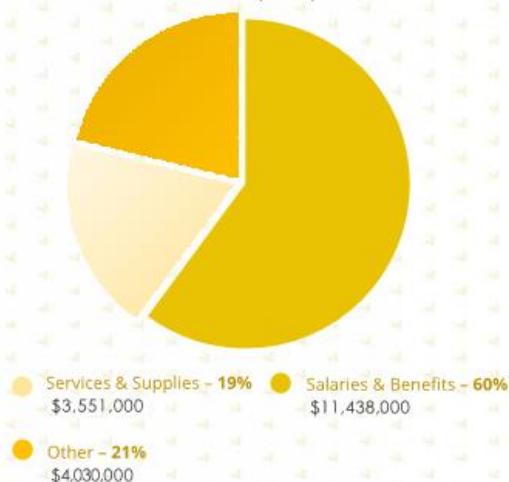
(5 year trend)



Expenditures

(Where the money is spent)

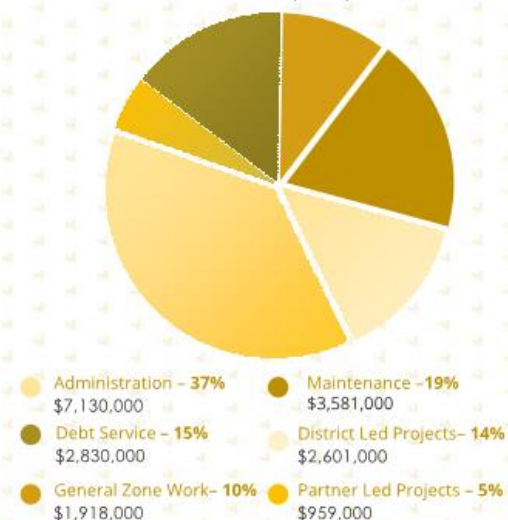
TOTAL \$19,019,000



Uses

(How the money is used)

TOTAL \$19,019,000



**Existing
Commit-
ments**

Claudio Padres

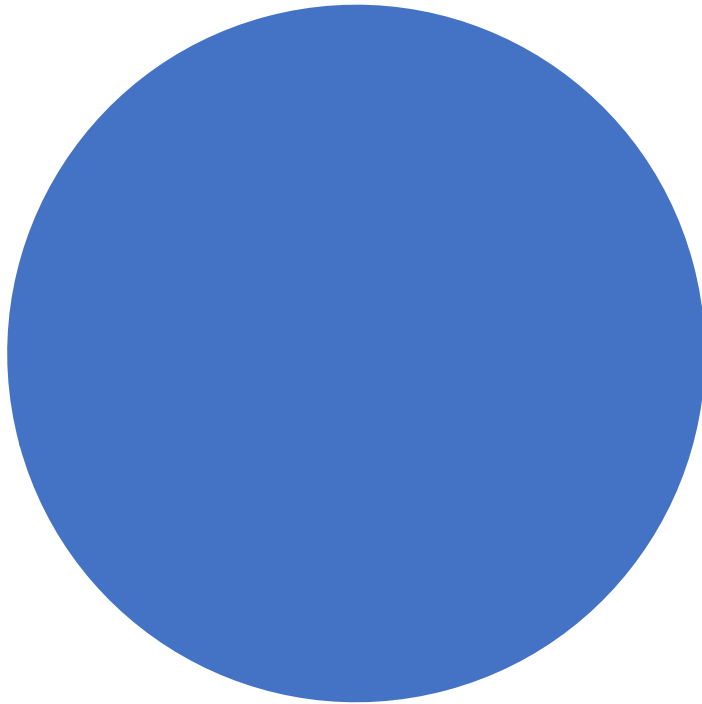
Chief of Design and Construction

Estimates from last February

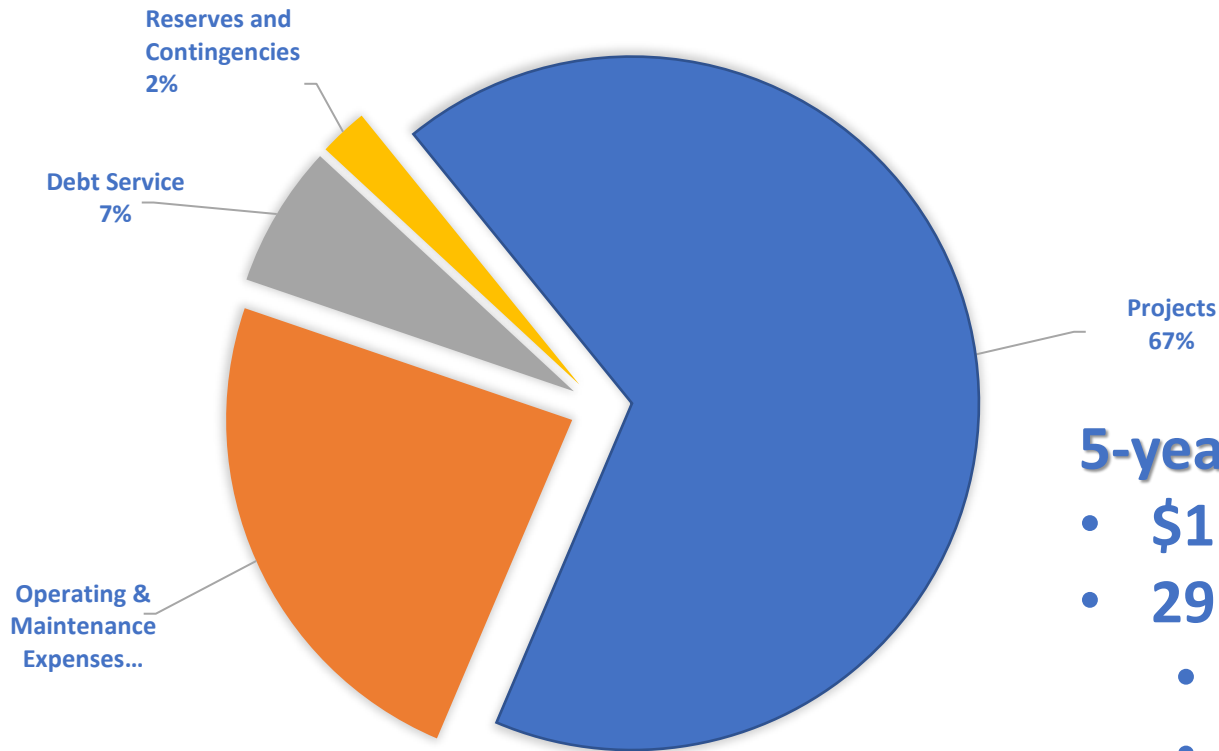


Current CIP: \$171M

Estimates from last February



FY2021-22 Allocations per CIP



5-year Project Allocation

- \$114M
- 29 Projects
 - 15 District-Led
 - 14 Partner-Led

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DISTRICT LED PROJECT SUMMARY - ZONE 4
FISCAL YEARS 2021-22 THROUGH 2025-26

Project Number	Stg No.	Project Title	Project Cost	Appropriation		Funding Sources (5-Year Total)			Total Nat District Funded
			Total Remaining Cost	FY 2021-22	FY 2022-26	Tax Revenue	ADP Contribution	External Contribution	
DESIGN AND CONSTRUCTION									
4-8-00009	04	PERRIS VALLEY CHANNEL LATERAL B	\$17,702,425	\$417,530	\$17,284,895	\$13,702,425	\$0	\$4,000,000	\$0
4-8-00025	90	POTRERO CREEK DEBRIS BASIN RESTORATION	\$2,409,455	1,600,068	809,387	2,409,455	0	0	0
4-8-00030	50	BAUTISTA CRK CH (RCHRG BASIN EXPANSION)	1,327,407	1,327,407	0	991,709	0	335,698	0
4-8-00265	02	LITTLE LAKE MDP LINE B STG 2	7,357,826	453,107	6,904,719	7,357,826	0	0	0
4-8-00330	00	GREEN ACRES DAM & OUTLET	15,141,574	740,602	14,400,972	15,141,574	0	0	0
4-8-00331	01	LAKEVIEW NUEVO MDP LATERAL D	7,729,840	881,555	6,848,285	7,709,235	20,605	0	0
4-8-00425	01	GOOD HOPE-OLIVE AVENUE STORM DRAIN	14,079,816	1,536,363	12,543,453	14,079,816	0	0	0
4-8-00431	02	ROMOLAND MDP, LINE A-3 Stg 2 & 3	4,041,870	4,041,870	0	4,041,870	0	0	0
4-8-00431	04	ROMOLAND MDP, LINE A-3 STG 4 & 5	6,247,826	491,668	5,756,158	6,247,826	0	0	0
4-8-00735	90	SUNNYMEAD-INDIAN STREET BASIN	1,116,846	129,056	987,790	1,116,846	0	0	0
4-8-00219	01	HEMET S DARTMOUTH ST SD	449,787	0	449,787	449,787	0	0	0
PLANNING PROJECTS									
4-8-00020	03	SAN JACINTO RIVER (STAGE 3 MDP)	171,900	171,900	0	171,900	0	0	0
4-8-09068	00	WEST HEMET MDP INTERIM IMPROVEMENTS	4,353,000	353,000	4,000,000	4,345,892	7,108	0	0
4-8-00010	02	PERRIS VALLEY CHANNEL	921,959	0	921,959	0	921,959	0	0
4-8-00410	01	MEAD VALLEY MDP LINE A	7,171,000	0	1,000,000	1,000,000	0	0	(6,171,000)
DESIGN AND CONSTRUCTION PROJECTS			\$77,604,672	\$11,619,226	\$65,985,446	\$73,248,369	\$20,605	\$4,335,698	\$0
PLANNING PROJECTS			12,617,859	524,900	5,921,959	5,517,792	929,067	0	(6,171,000)
ZONE 4 DISTRICT LED PROJECTS TOTALS			\$90,222,531	\$12,144,126	\$71,907,405	\$78,766,161	\$949,672	\$4,335,698	(\$6,171,000)

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2021:

Zone 4 Fund	\$48,641,436
ADP Sub Fund	7,253,448
Total Fund Balance Forward	\$55,894,883

REVENUE:

Taxes	\$106,693,574
Interest	3,479,630
ADP Fees	100,000
Rental	73,500
Subtotal Revenue	110,346,704
External Contribution	4,335,698
Total Five Year Revenue	\$114,682,402
TOTAL FUNDS AVAILABLE	\$170,577,285

APPROPRIATIONS:

District Led Projects Appropriations	\$84,051,531
Partner Led Projects Appropriations	27,361,281
Miscellaneous Watershed Protection Projects	2,500,000
Capital Project Cost Inflation @ 2.0%	1,658,694
Operating & Maintenance Expenses	40,398,058
Contingencies	2,193,325
Debt Service Payment - Promissory Note	11,282,250
Subtotal Appropriations	\$169,445,139

ENDING FUND BALANCE - JUNE 30, 2026:

Zone 4 Fund	16,135
ADP Sub Fund	1,116,912
Total Ending Fund Balance	1,132,148

Zone 4
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
November 2021

Active District-Led Projects

Perris Valley Channel Lateral B (4-8-00009-04)

This is a District-led proposed storm drain improvement project of approximately 6,000 lineal feet of reinforced concrete box that will provide improved flood protection to the March Air Reserve Base (MARB) and adjacent properties. The project will collect the 100-year runoff from a proposed storm drain that will be constructed as part of a development between MARB and Interstate 215 and convey the water south to the existing Perris Lateral B Channel at Heacock Street. This project is funded as a cost share between the District (\$13 million) and the March Joint Powers Authority (MJPA) (\$4 million via developer).

A Memorandum of Understanding has been executed between the District, MARB, and MJPA outlining the terms for funding, rights of way, and construction of the storm drain system. The project topographic mapping is complete, and the District is actively working with MARB to finalize the alignment and begin work on the 30% plans.

San Jacinto River (4-8-00020-03)

This is a District-led project to develop a master drainage plan along the nearly 10-mile reach of the San Jacinto River from Ramona Expressway to Railroad Canyon. The goal of the plan is to provide flood protection to critical transportation facilities, alleviate drainage concerns in the city of Perris, advance implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP), and accommodate certain land development activity within the floodplain fringe. The District is currently working closely with the Regional Conservation Authority, California Department of Fish and Wildlife, and United States Fish and Wildlife Service to ensure that the project will be able to achieve consistency with the MSHCP. Once these discussions with the regulatory agencies have taken place, the District will continue with the California Environmental Quality Act process and the preparation of the Environmental Impact Report for the plan.

Potrero Creek Debris Basin Emergency Sediment Removal (4-8-00025-90)

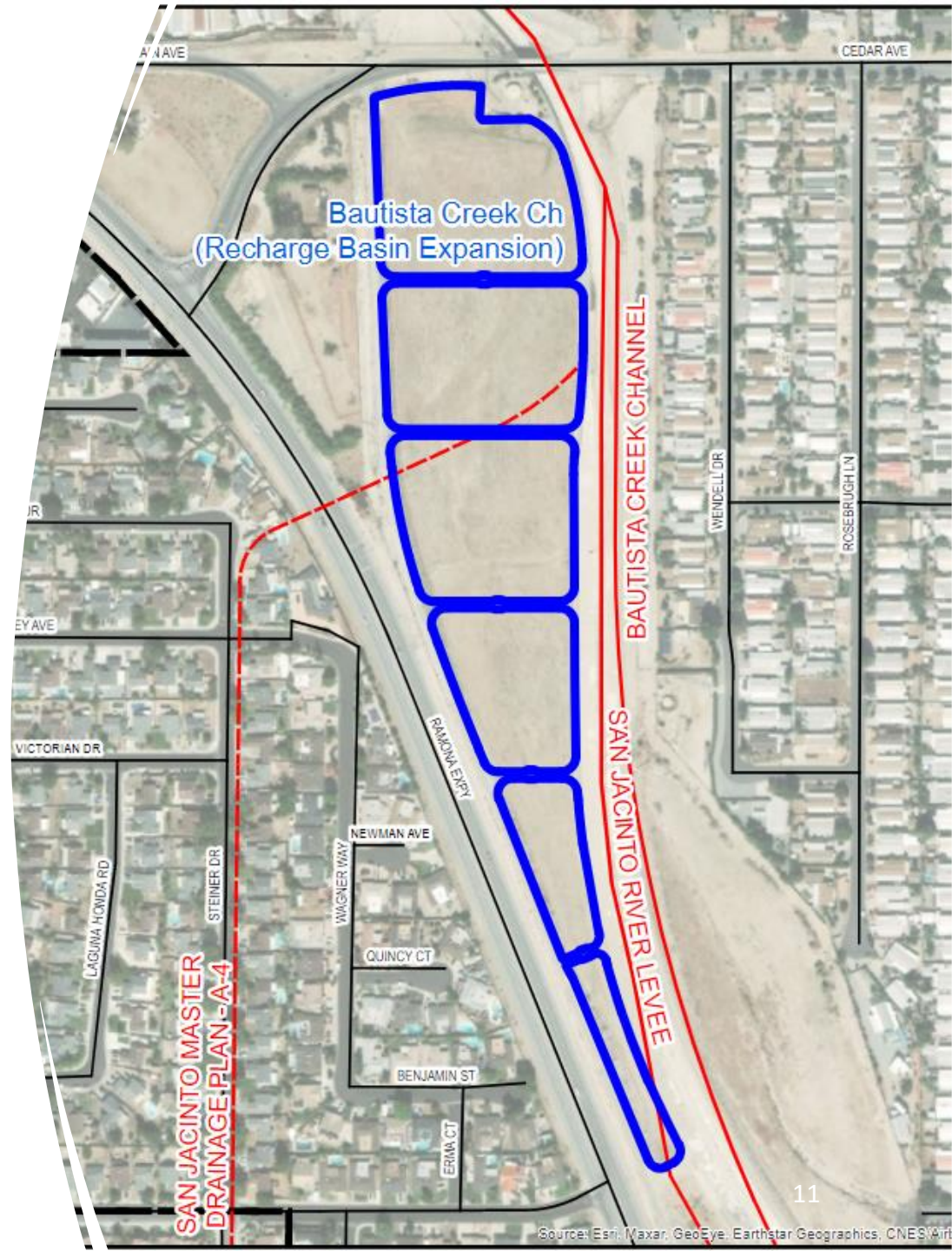
This is a District-led project to remove accumulated sediment from the existing basin to restore its capacity and function. An estimated 400,000 cubic yards of material will be removed. This project is funded by the District.

Construction Projects

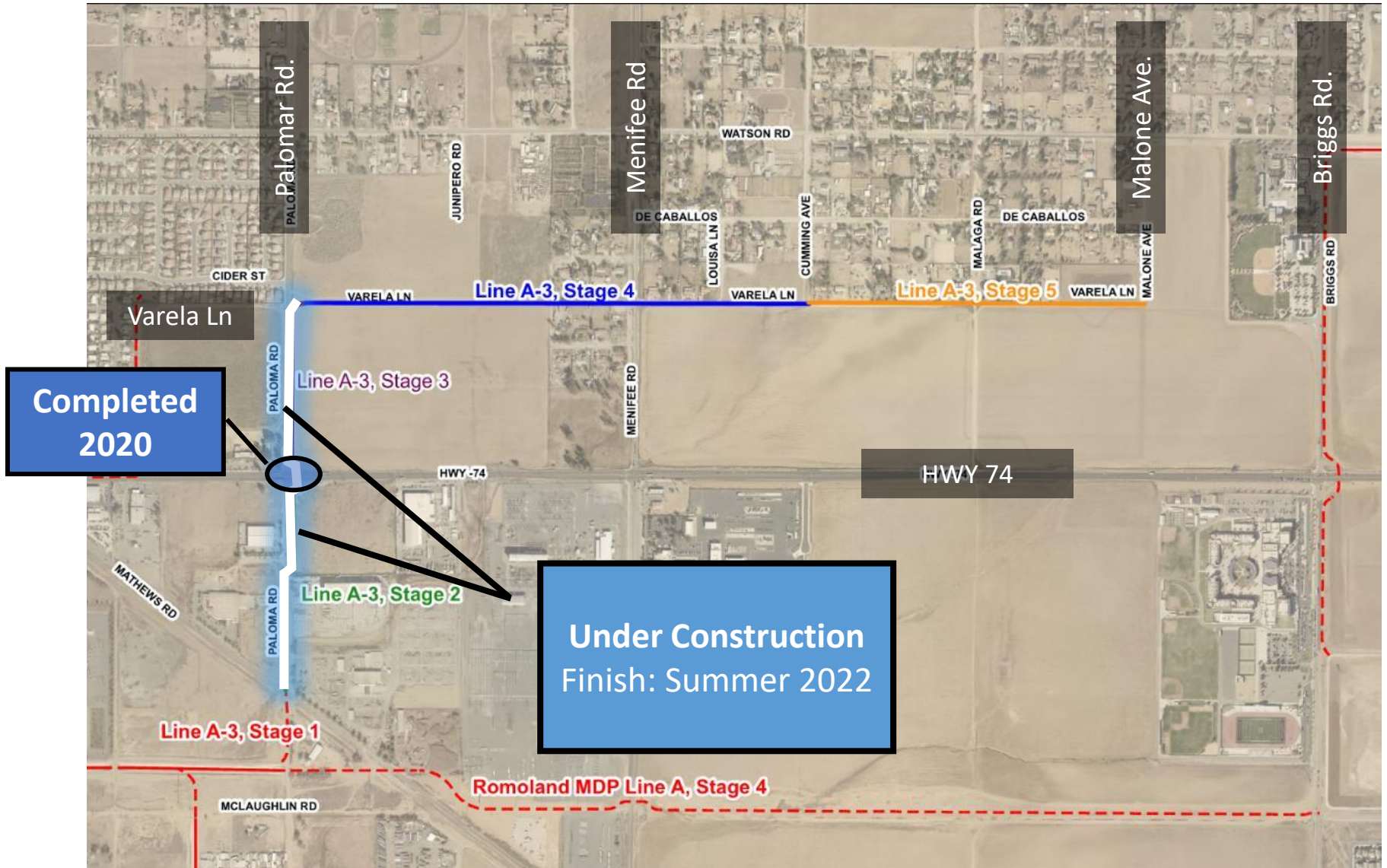
District-Led: 3 Projects (\$8.7M)
Partner-Led: 2 Projects (\$4M)

Bautista Recharge Basins

- \$1.7M
- Construction Ongoing
- Complete January 2022
- Partnership with LHMWD



Romoland Line A-3





Potrero Creek Basin Emergency Sediment Removal



Sunnymead Line M-11 Extension (Flaming Arrow Drive)



Moreno Line K-1, Stage 2

Ironwood Ave

Ironwood Ave

Line K-1
(Project)

Moreno Beach Dr

Pettit St

Line K
Floodplain
Acquired

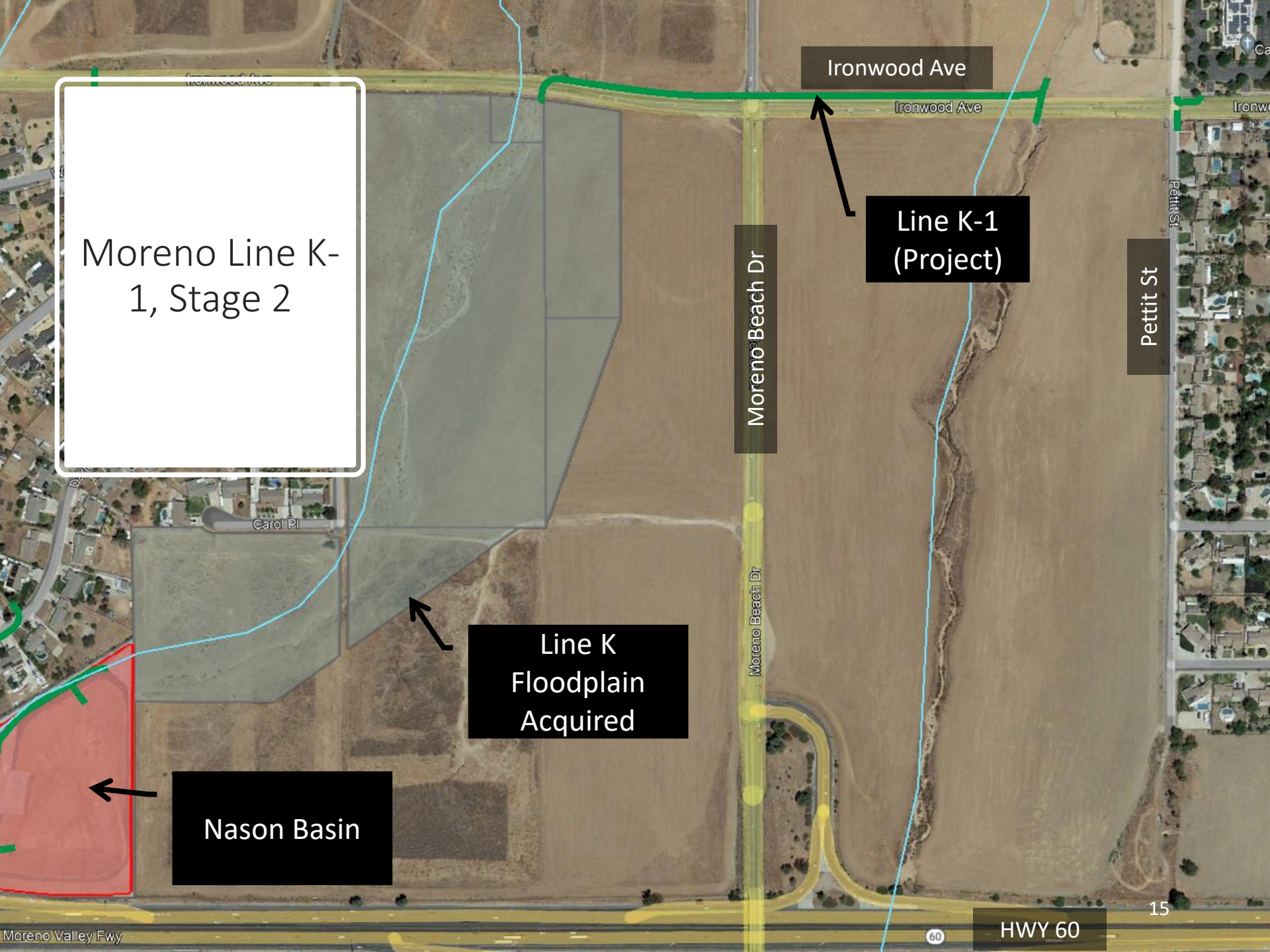
Nason Basin

Moreno Valley Fwy

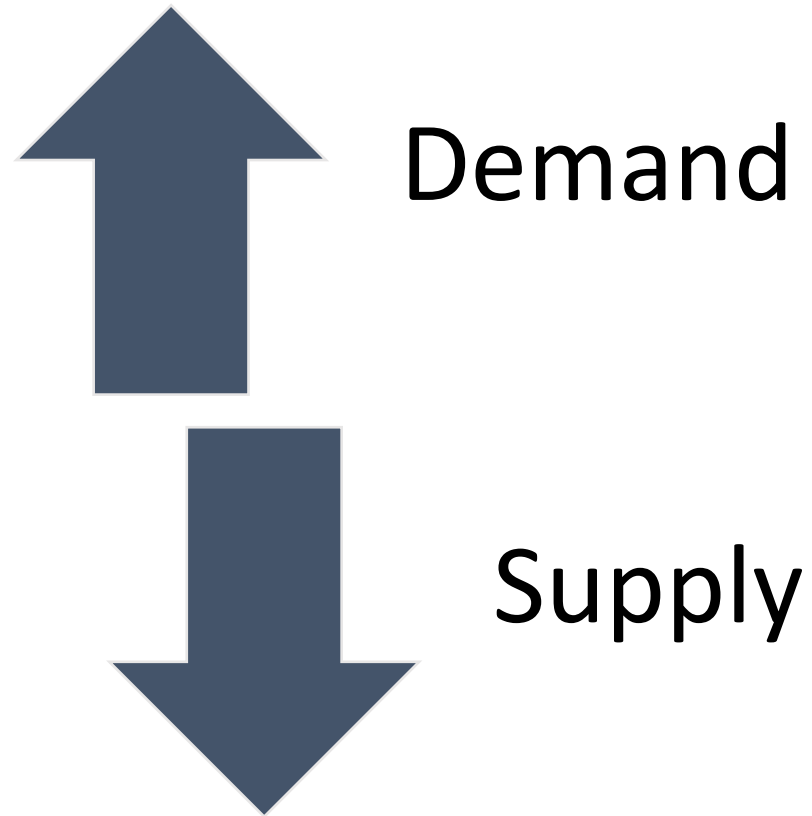
60

HWY 60

15



Recent Trends



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

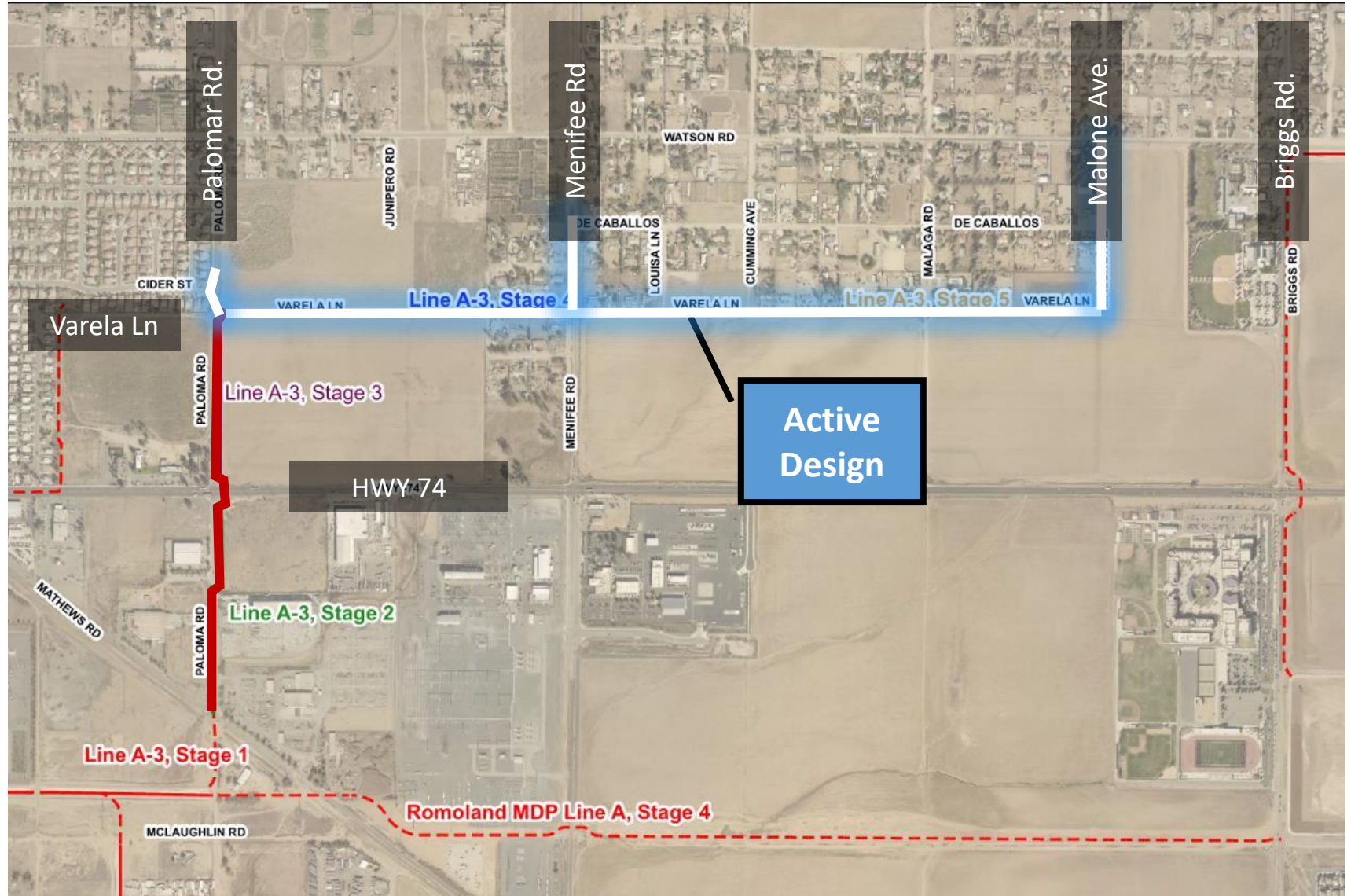
The background of the slide features a close-up, high-angle view of several rolled-up architectural blueprints. The blueprints are white with black lines and text, showing various technical drawings, dimensions, and annotations. The rolls are arranged diagonally, creating a sense of depth and movement. The lighting is soft, highlighting the texture of the paper and the precision of the drawings.

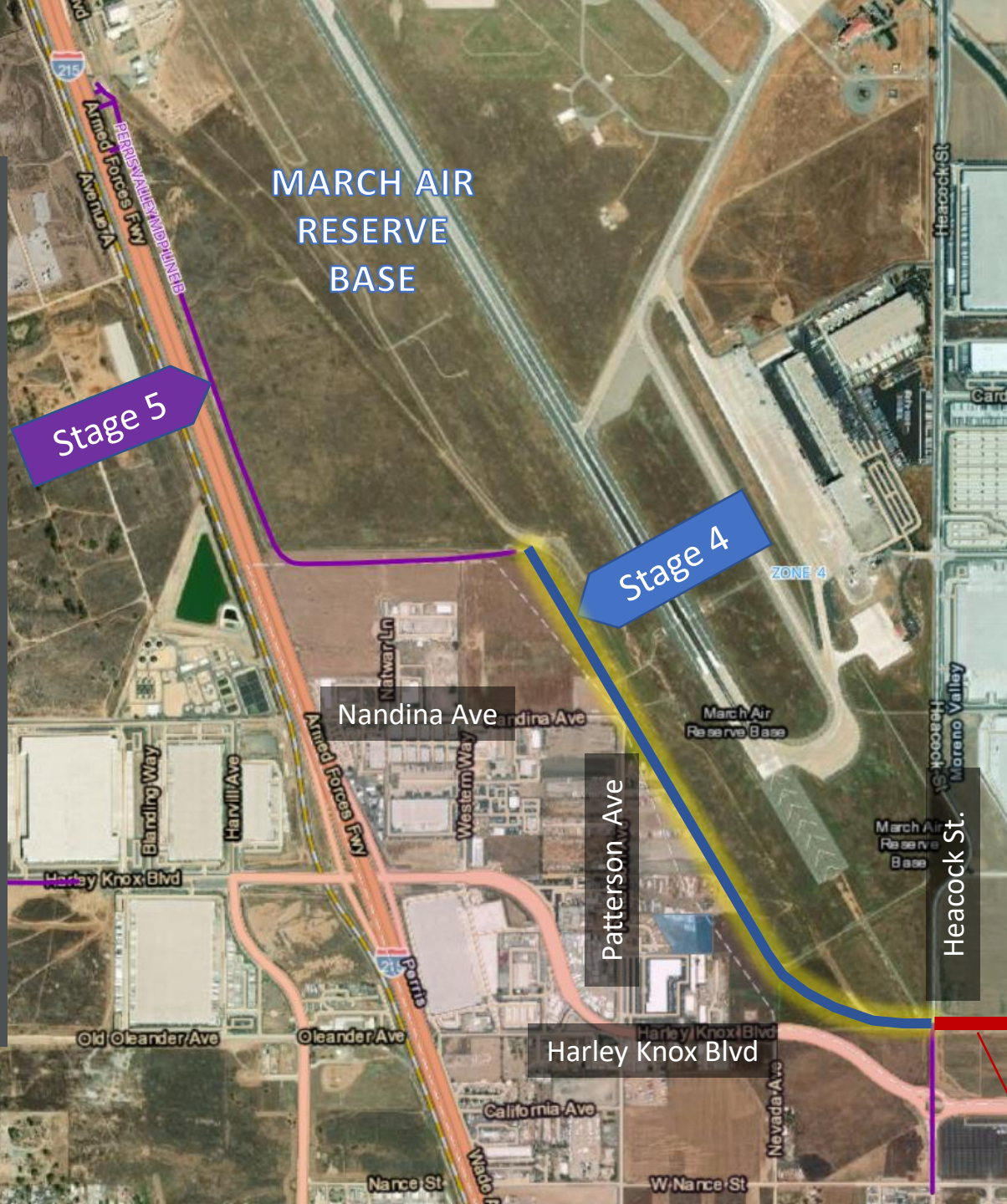
Active Design Projects

District-Led

\$50M

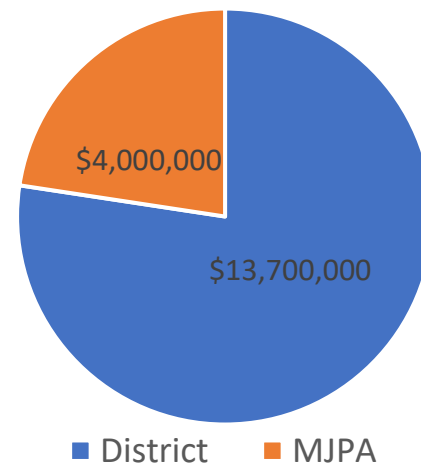
Romoland Line A-3



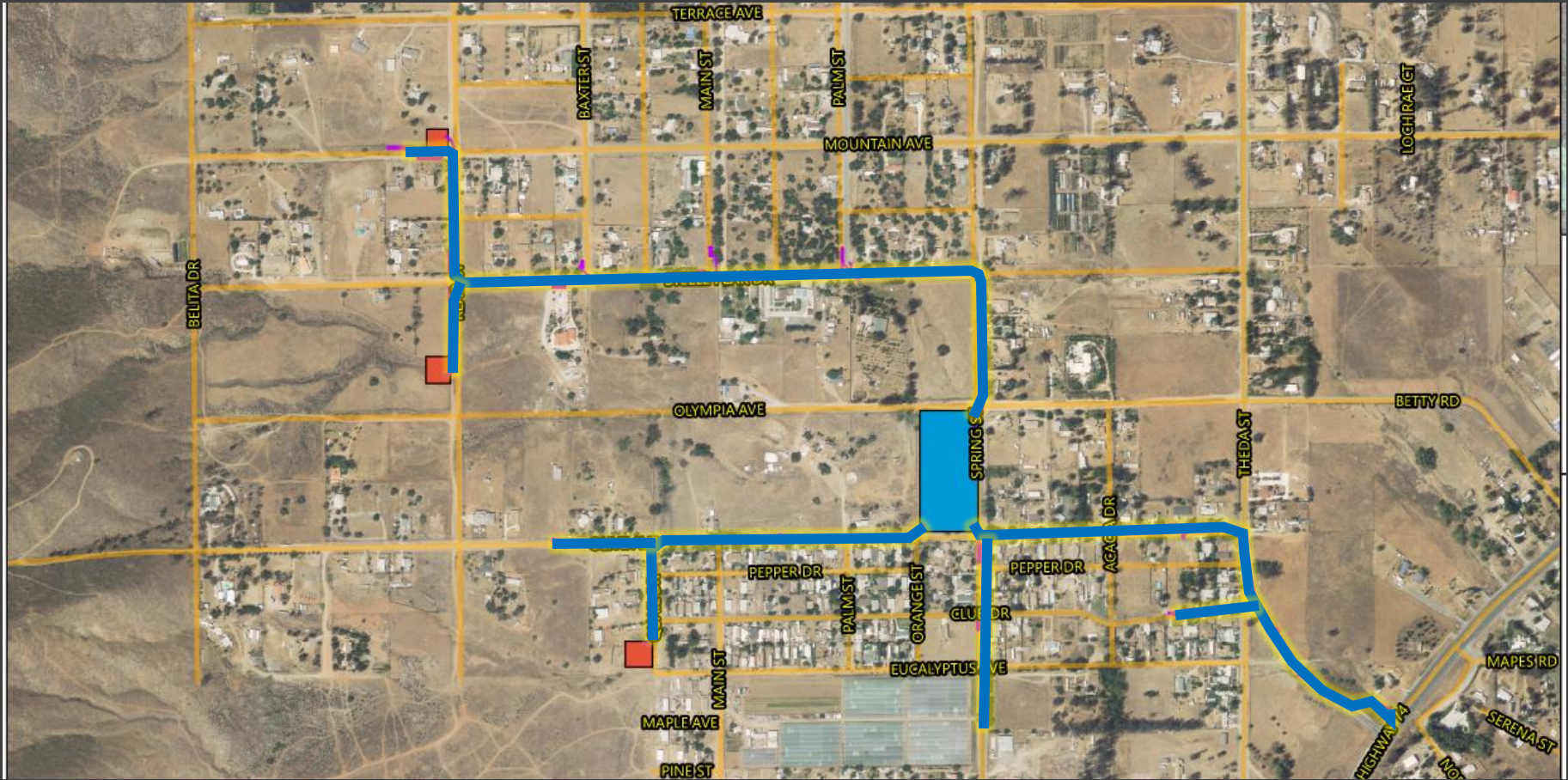


Perris Lateral B, Stage 4

- Estimated Cost: \$17.7M
- 1 Mile Storm Drain

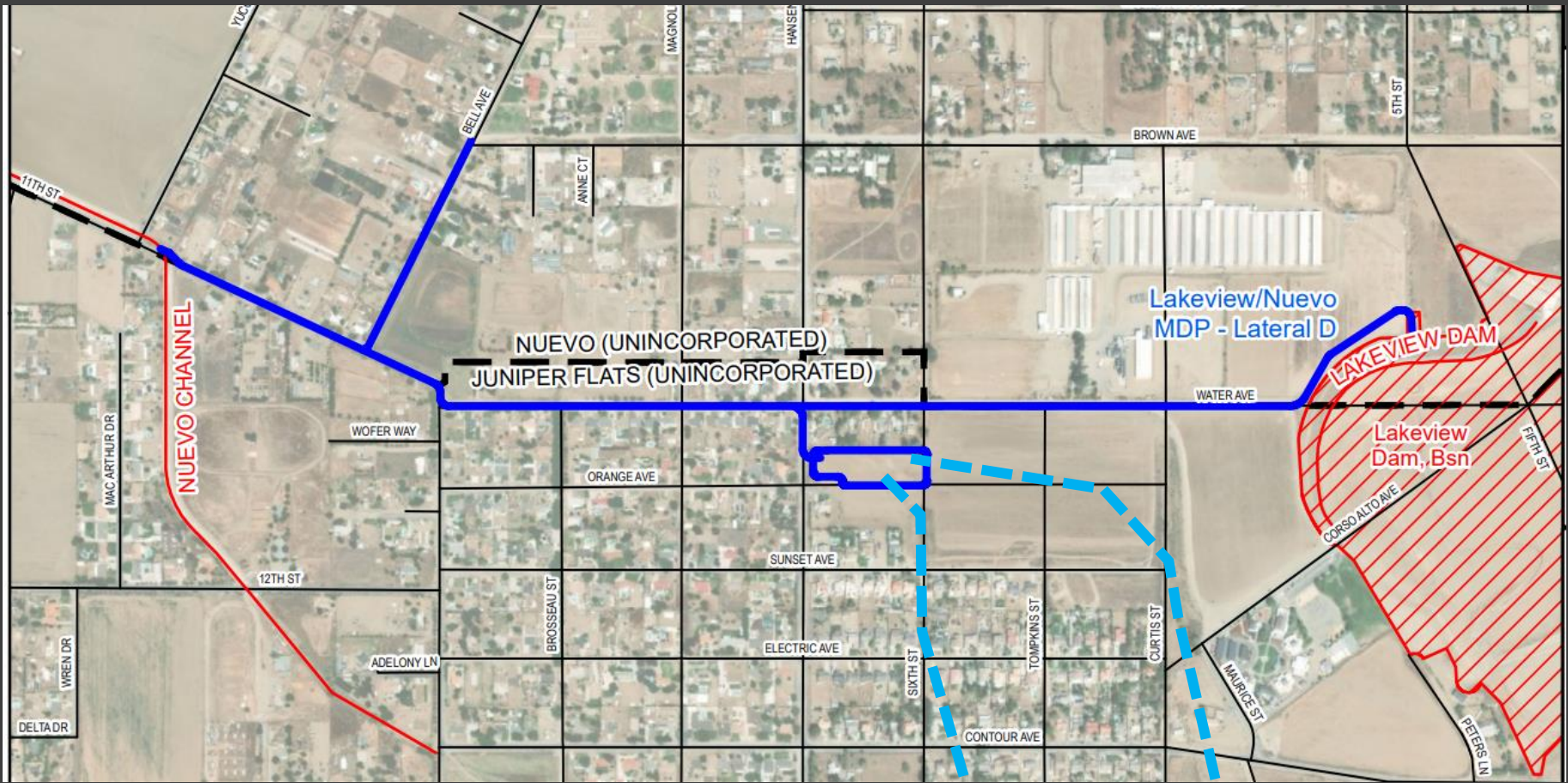


Existing Lateral B



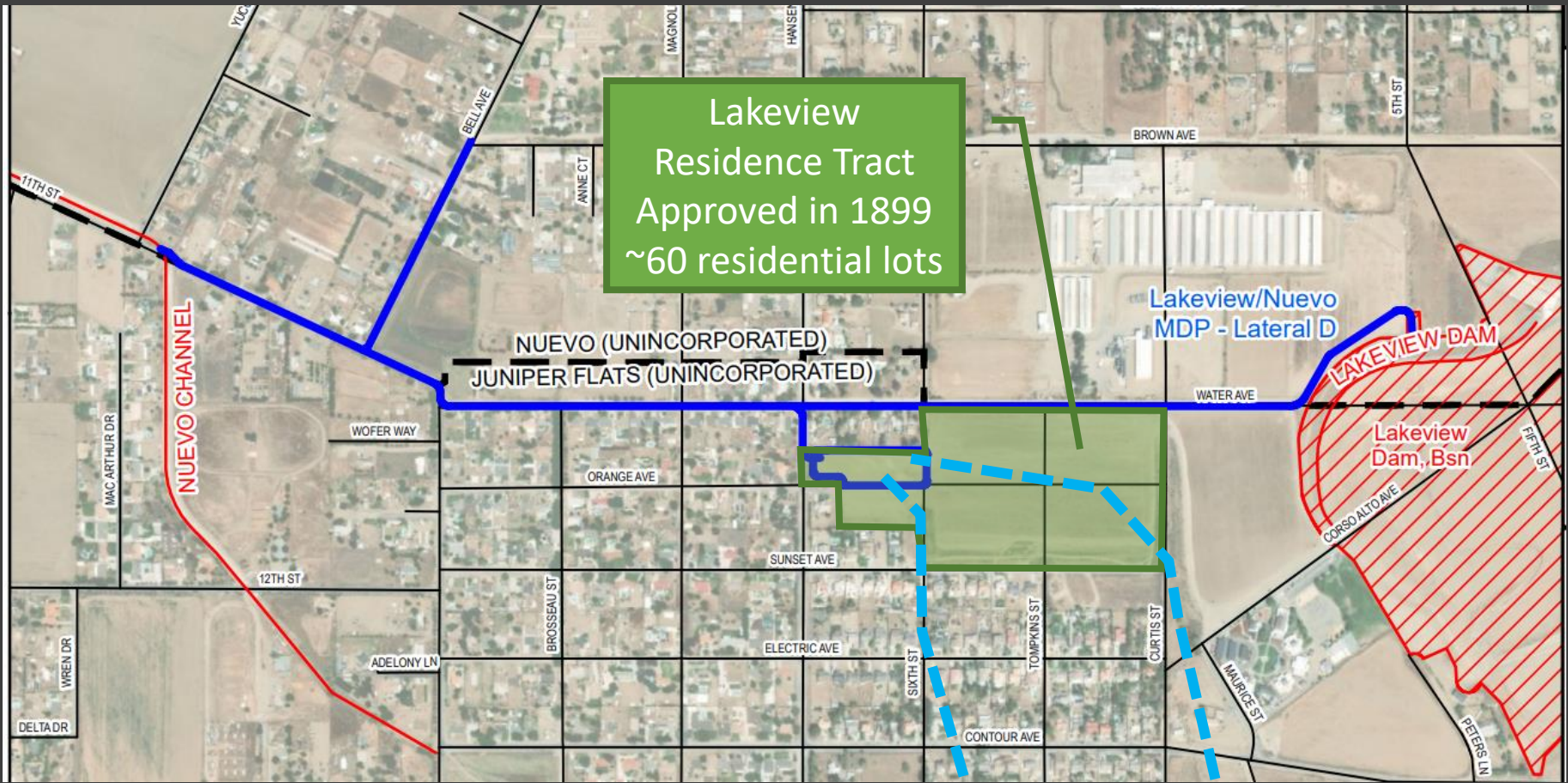
Good Hope Olive Avenue SD

- Numerous watercourses though private property cause repeated flooding
- **30% Design Complete**
- Coordination with Property Owners and County Transportation Ongoing



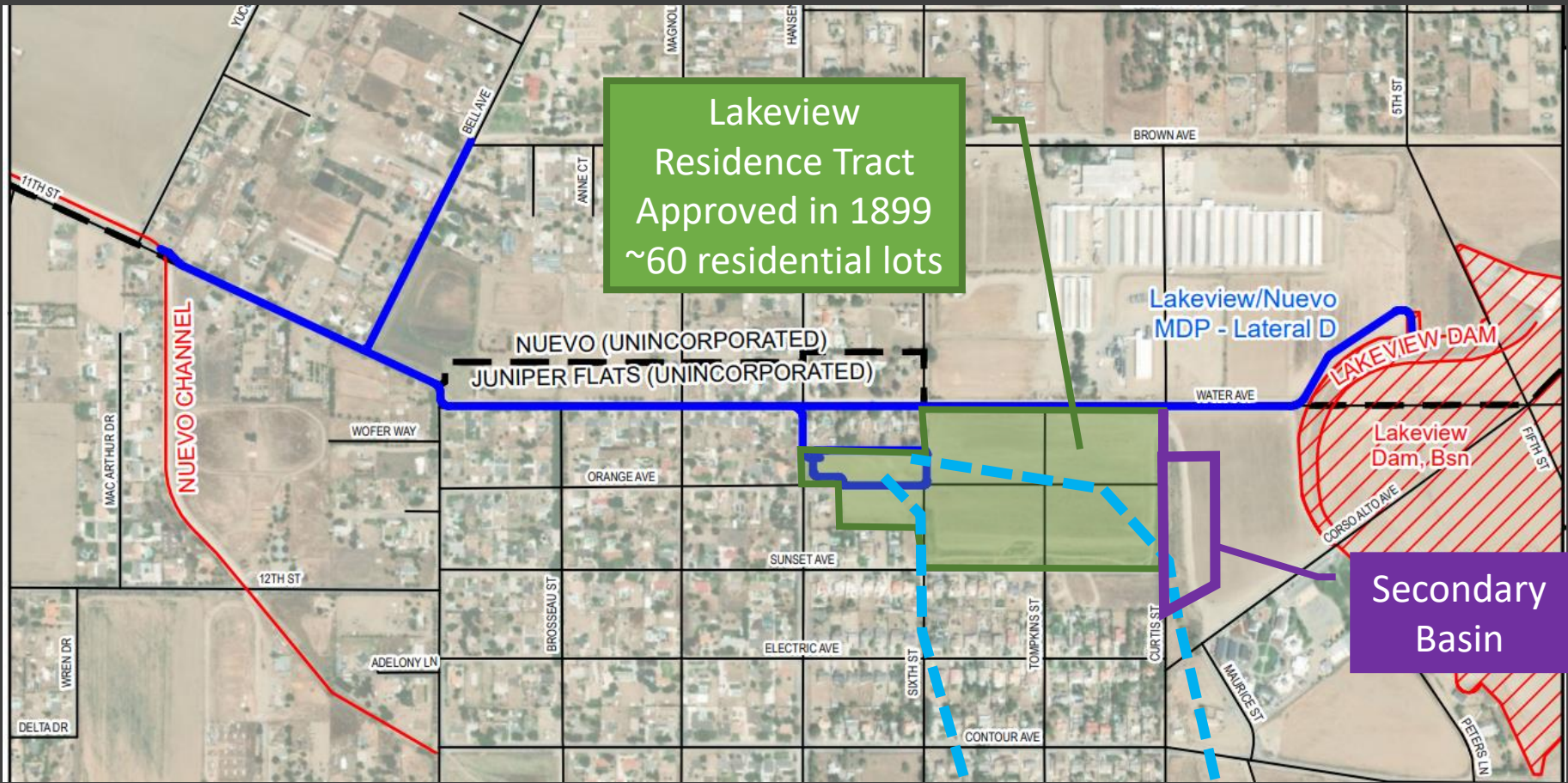
Lakeview Lateral D

- 30% Design in progress
- Coordination for Detention Basin(s)



Lakeview Lateral D

- 30% Design in progress
- Coordination for Detention Basin(s)



Lakeview Lateral D

- 30% Design in progress
- Coordination for Detention Basin(s) ongoing

District
Projects

Romoland Line A-3 +\$4.4M

Lakeview Lateral D +\$3M

Goodhope Olive Avenue SD
+\$2.7M

Other Projects + \$3.6M

Total = + \$13.7M

A stylized graphic of two hands shaking in a firm grip, rendered in a dark blue color. The hands are positioned centrally, with the fingers interlaced. The background is a solid dark blue, and the overall image has a professional, corporate feel.

Active Partner Projects

~\$40M

Active Partner Projects

San Jacinto

- Line E-2 and E-2a (Construction mid 2022)

Moreno Valley

- Moreno Lines F-18 and F-19 (60% Design)
- Sunnymead Line F and F-7 (90% Design)
- Sunnymead Line B-16A

Perris

- Perris MDP Line E (Preliminary Design & Environmental)

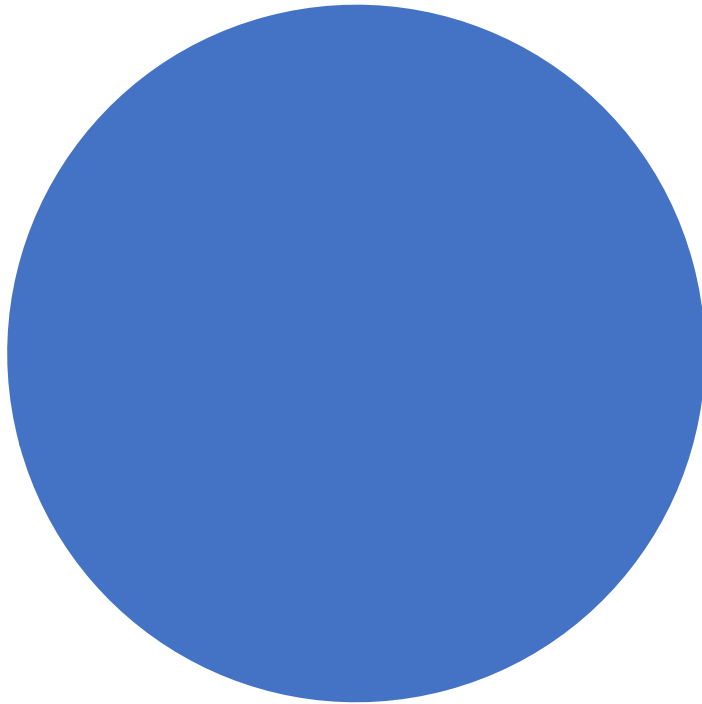
Developer / March JPA

- Cactus Channel (90% Design)

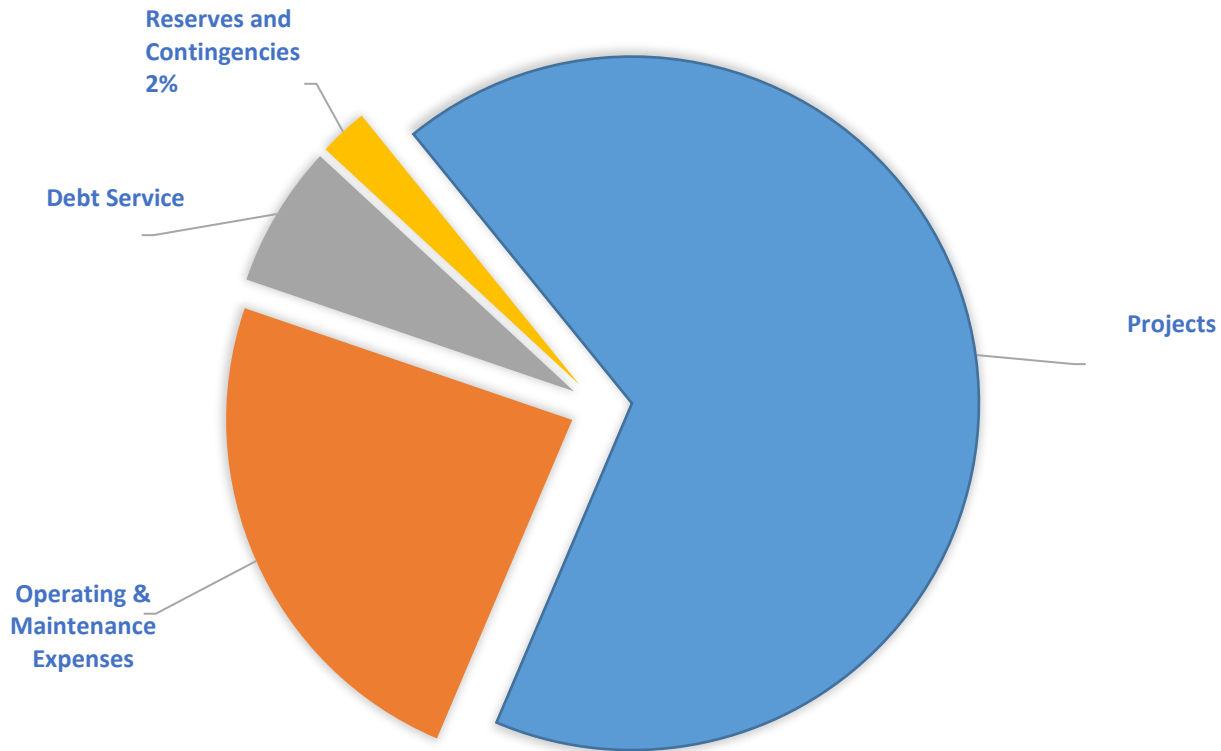
New CIP Development



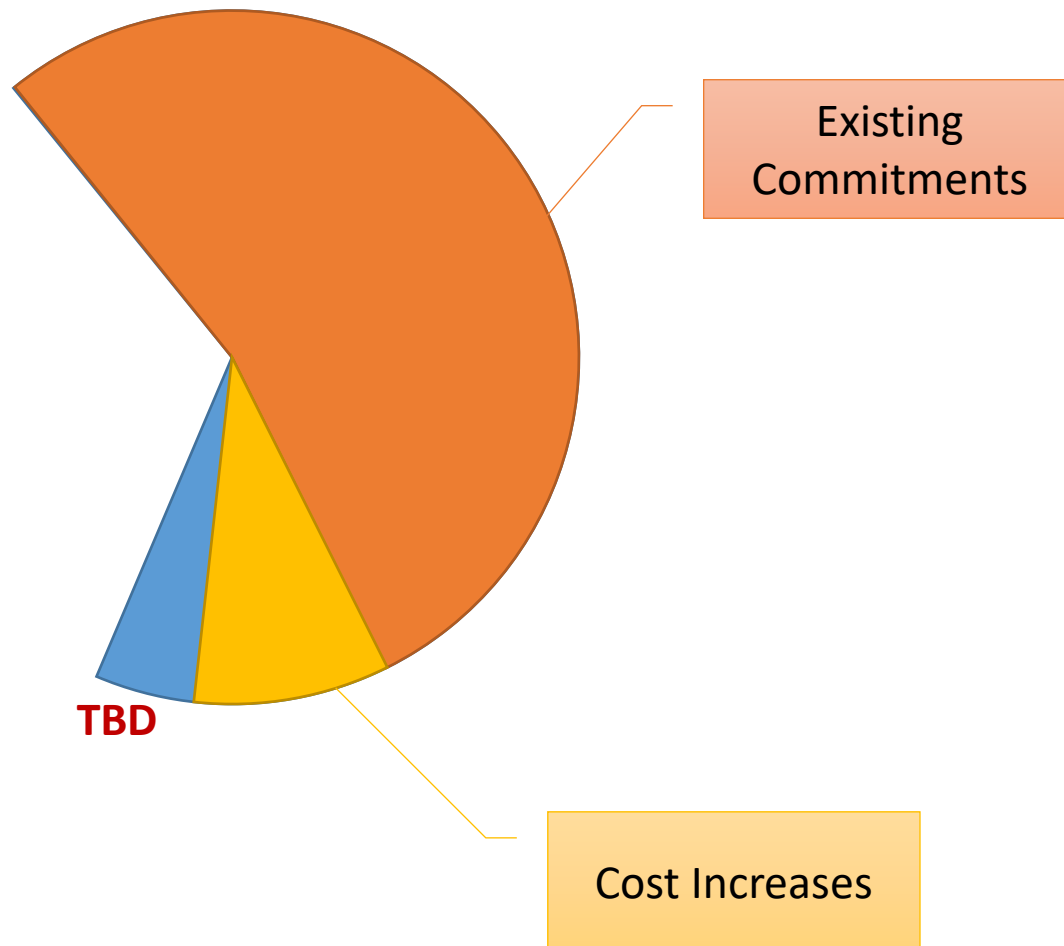
New CIP Development



New CIP Development



New CIP Development





New Funding Requests Received to Date

Total \$35M in new requests

Menifee (\$313k)

- Murrieta and Garbani Undercrossing (+\$313k)

Moreno Valley (\$22.6M)

1. Moreno Line K-1, Stg 2 (-\$1.8M)
2. Sunnymead Line H (+\$850k)
3. Perris Line B-1 (+\$875k)
4. Cactus Detention Basin (+\$9.4M)
5. Moreno Line K (+\$11M)
6. Sunnymead Line A-1 (+\$725k)
7. West End Line GG (+1.6M)

March JPA (\$7M)

- Cactus Channel (\$7M)

Public (\$5.5M)

- **Marshall Locke**
 - Lakeview Nuevo Lateral A Restoration (\$1M)
- **Sun Holland LLC**
 - Holland Channel / Briggs Road Culvert (\$4.5M)



Public Input

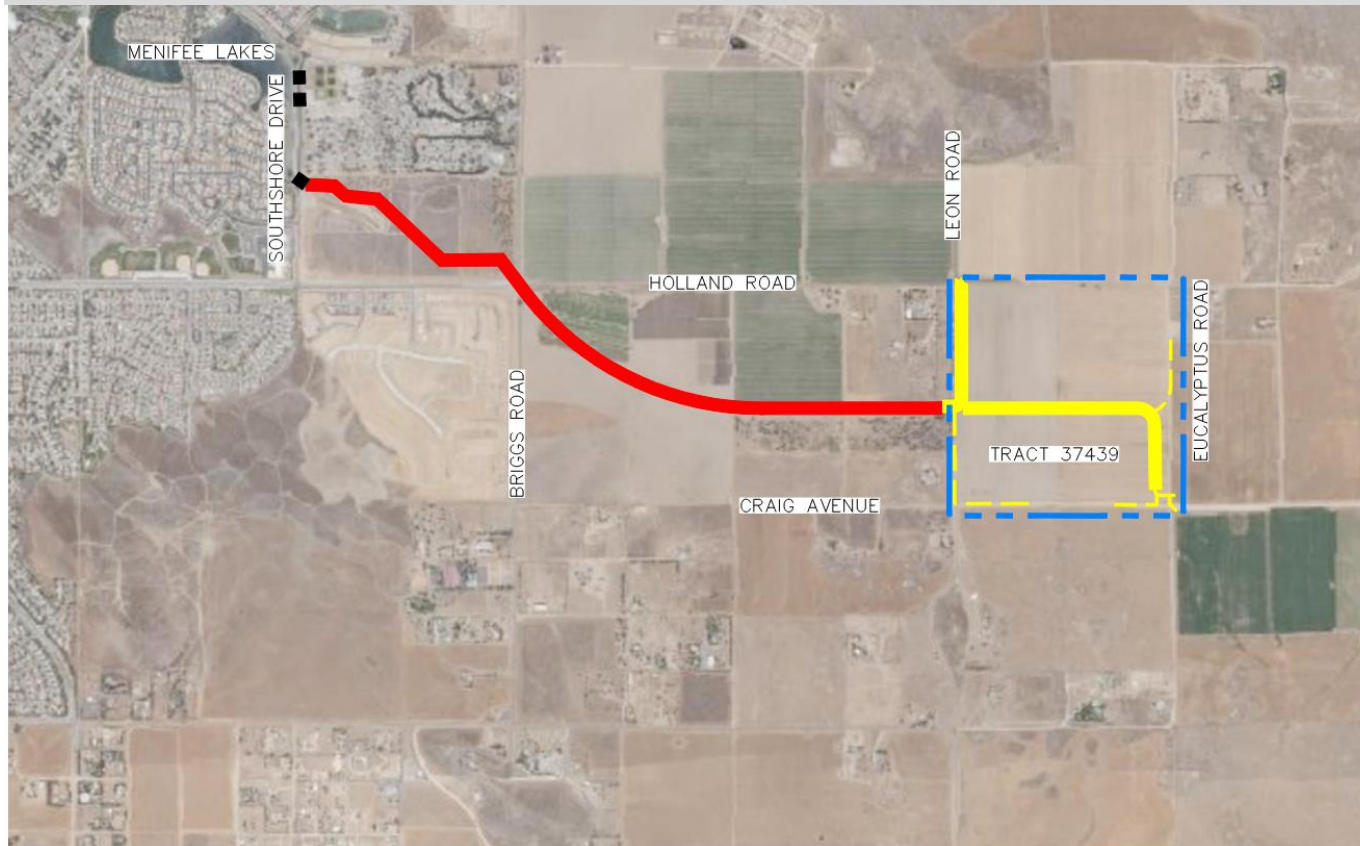


Holland Channel Flood Control System and Briggs Road Culvert Power Point Slides

A solid orange horizontal bar is positioned below the title text, spanning a significant portion of the slide's width.

HOLLAND CHANNEL FLOOD CONTROL SYSTEM AND BRIGGS ROAD CULVERT

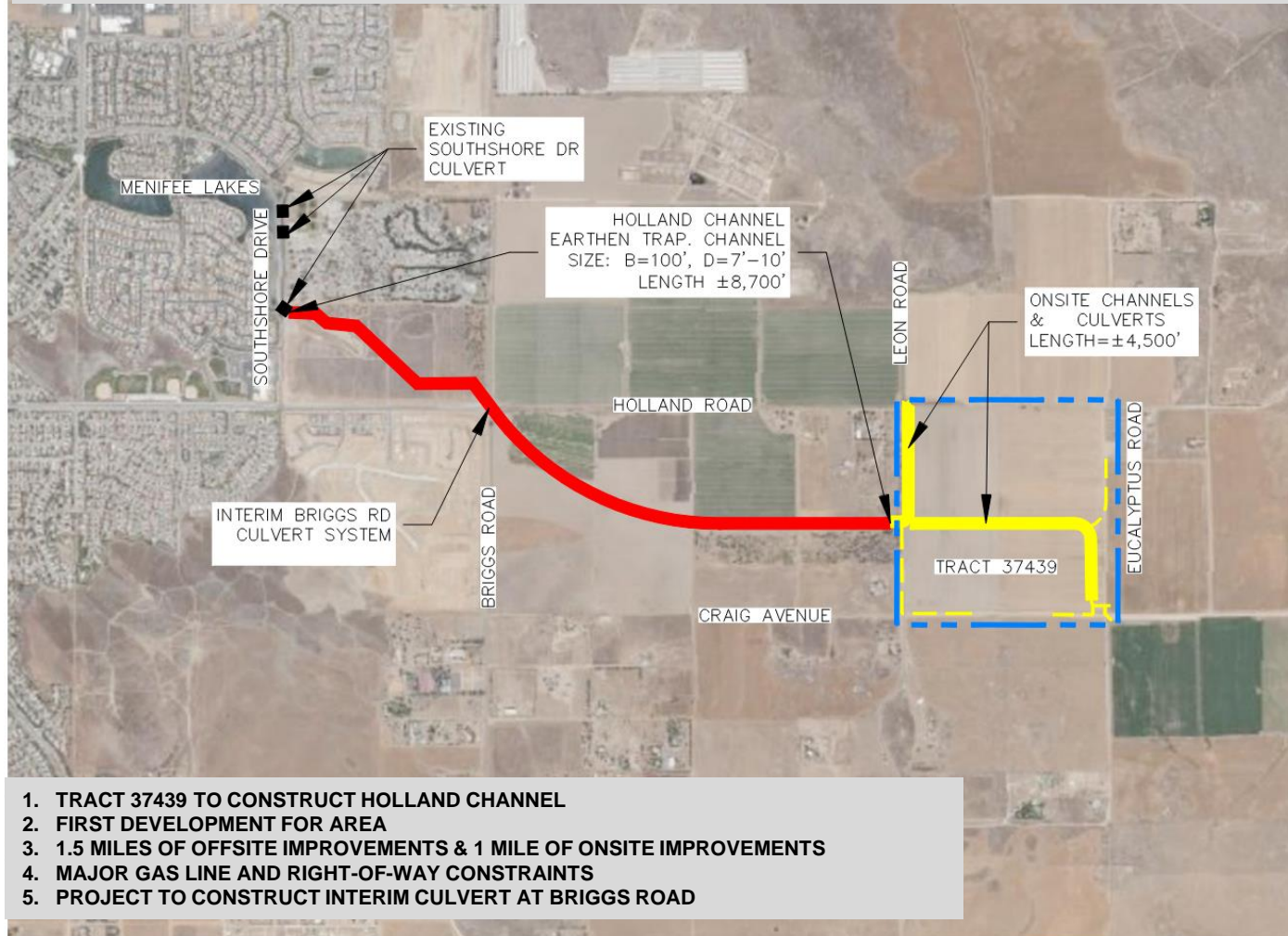
2ND FUNDING REQUEST FOR FISCAL YEAR 2022-2023



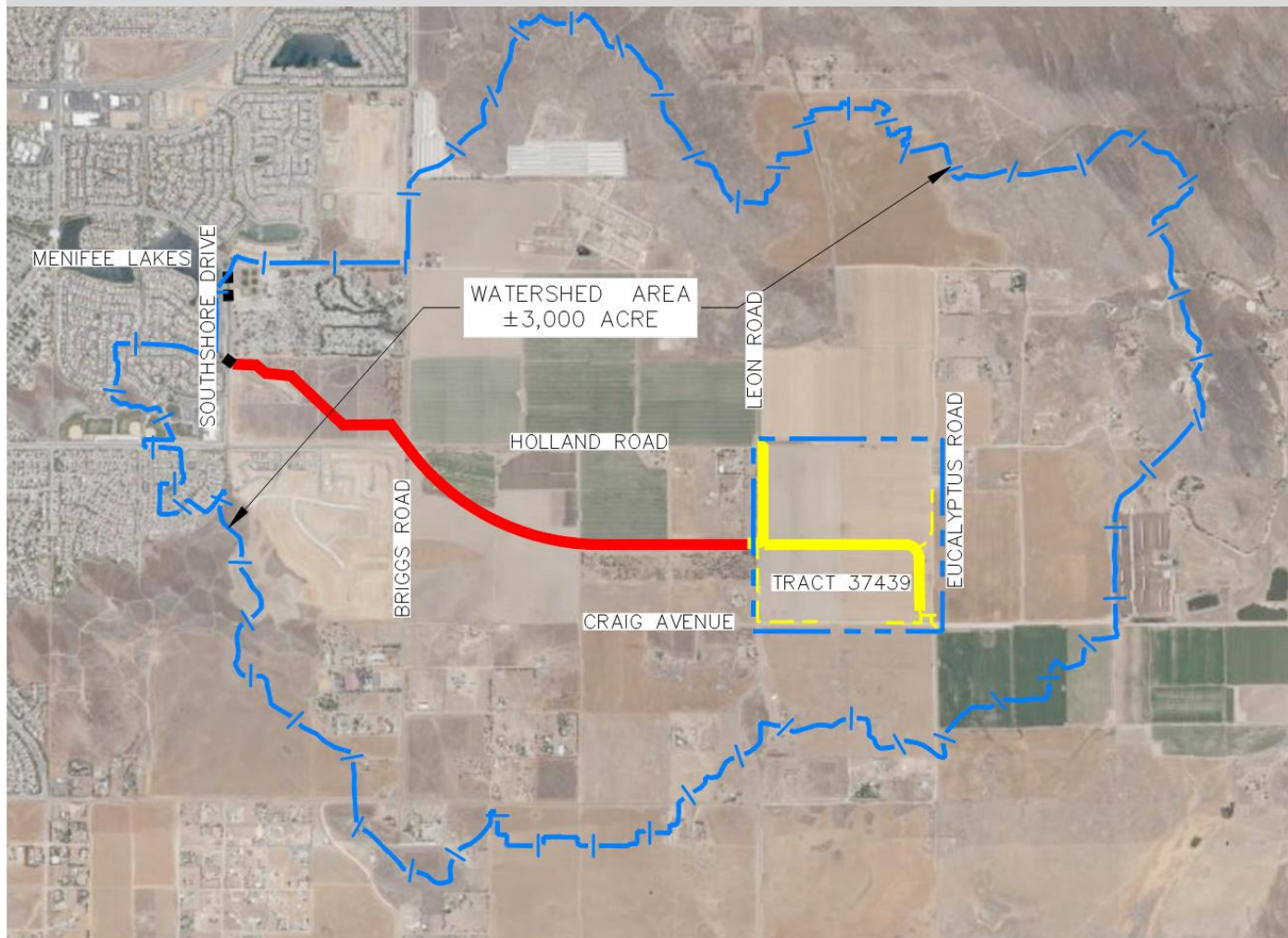
PROJECT LOCATION



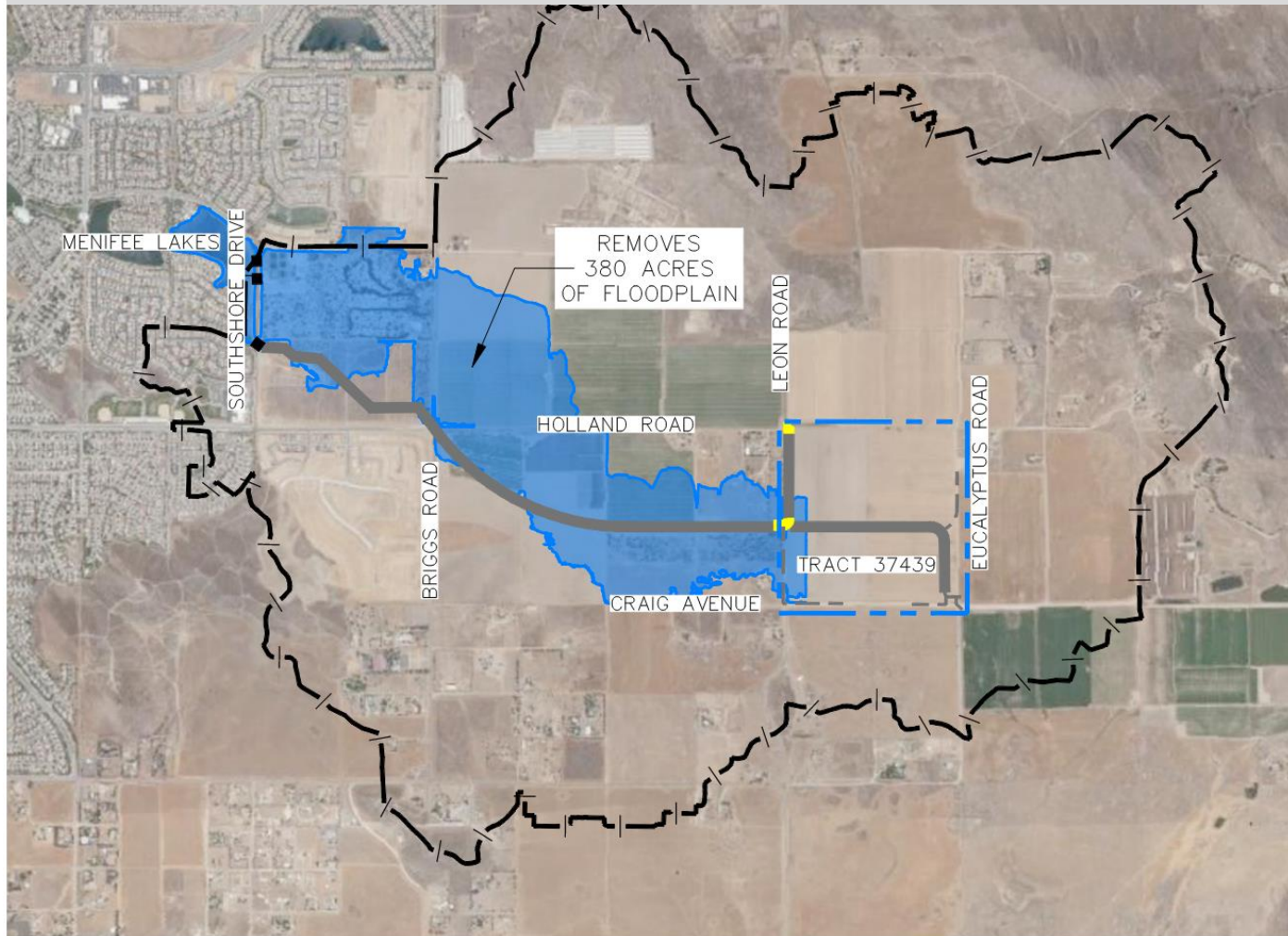
PROJECT OVERVIEW



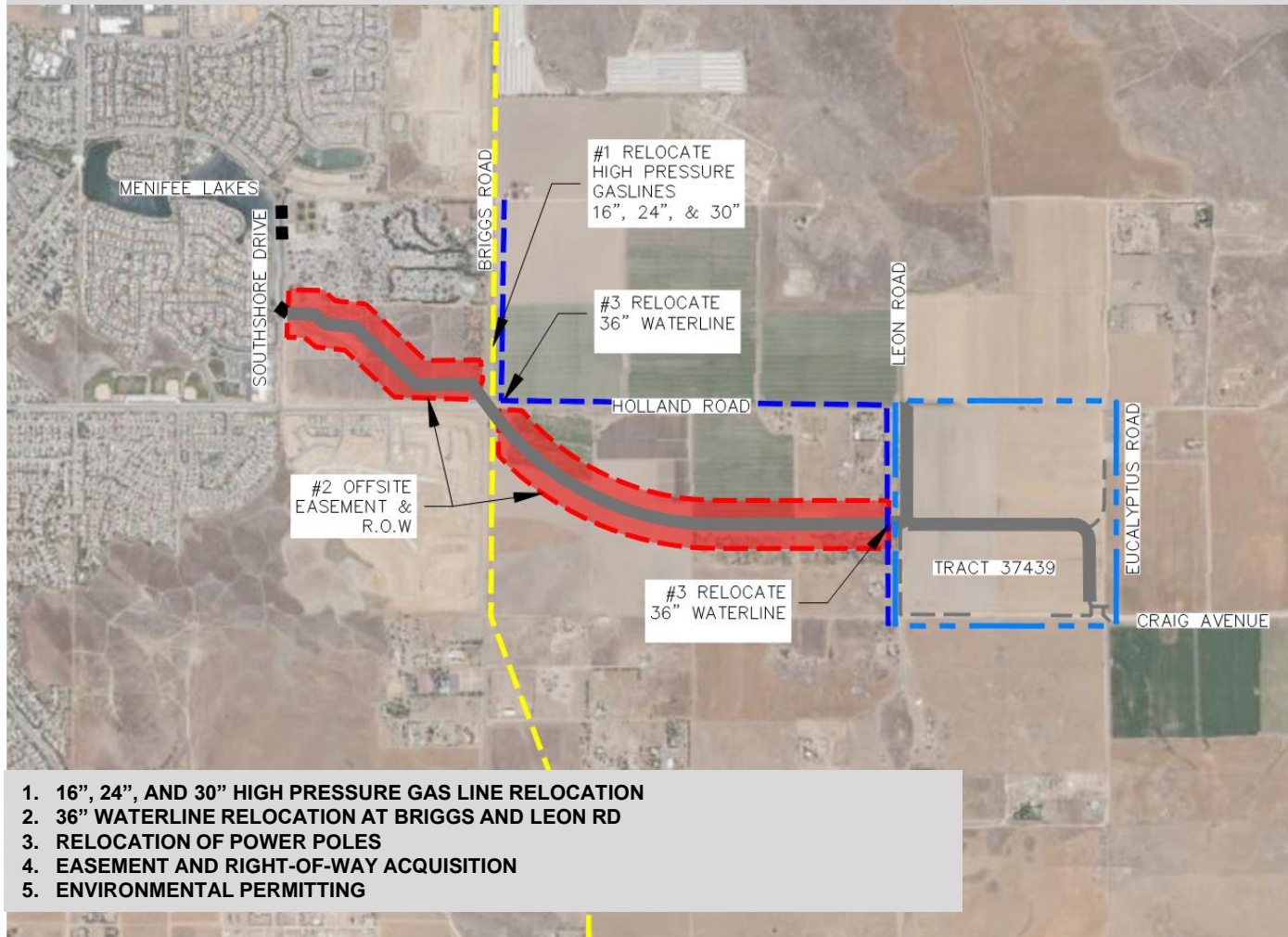
WATERSHED AREA



FLOODPLAIN AREA

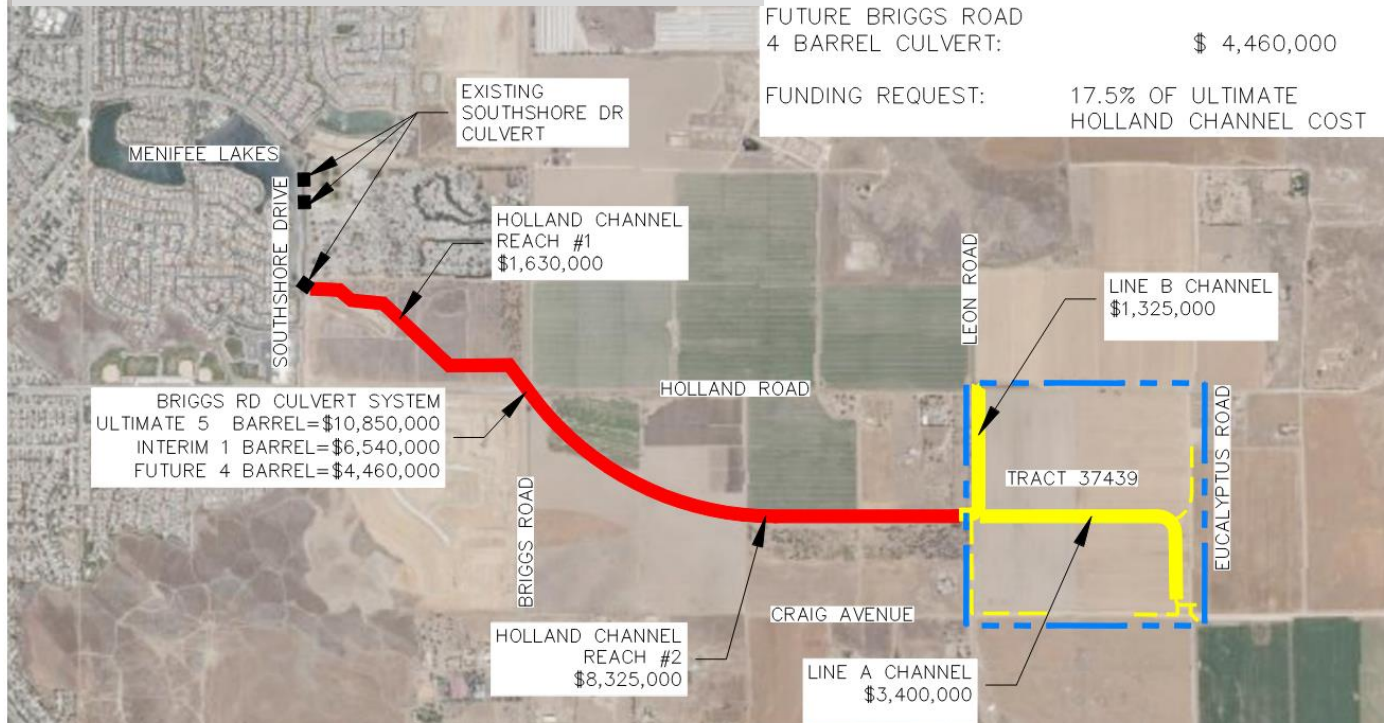


PROJECT CONSTRAINTS



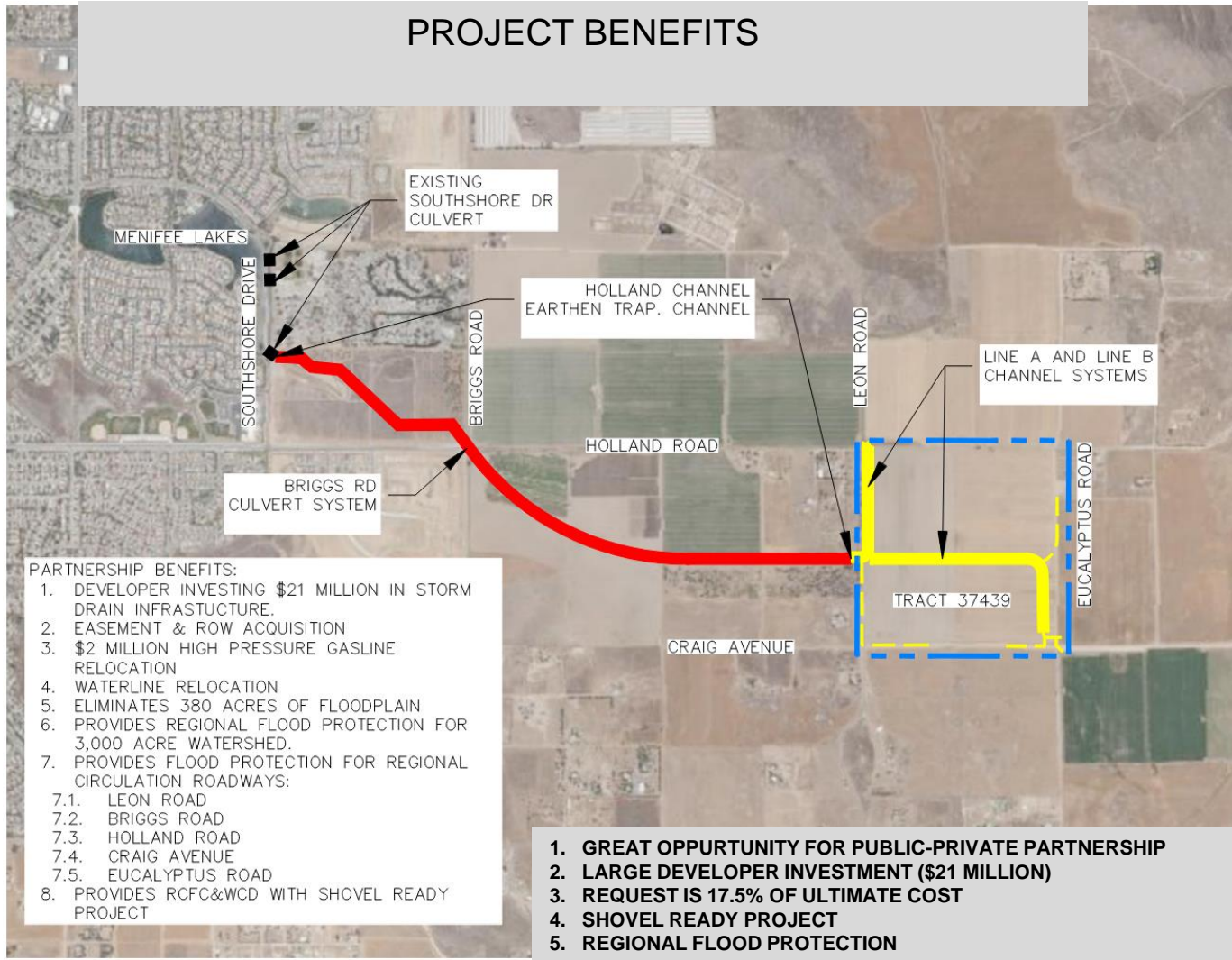
PROJECT COST AND FUNDING REQUEST

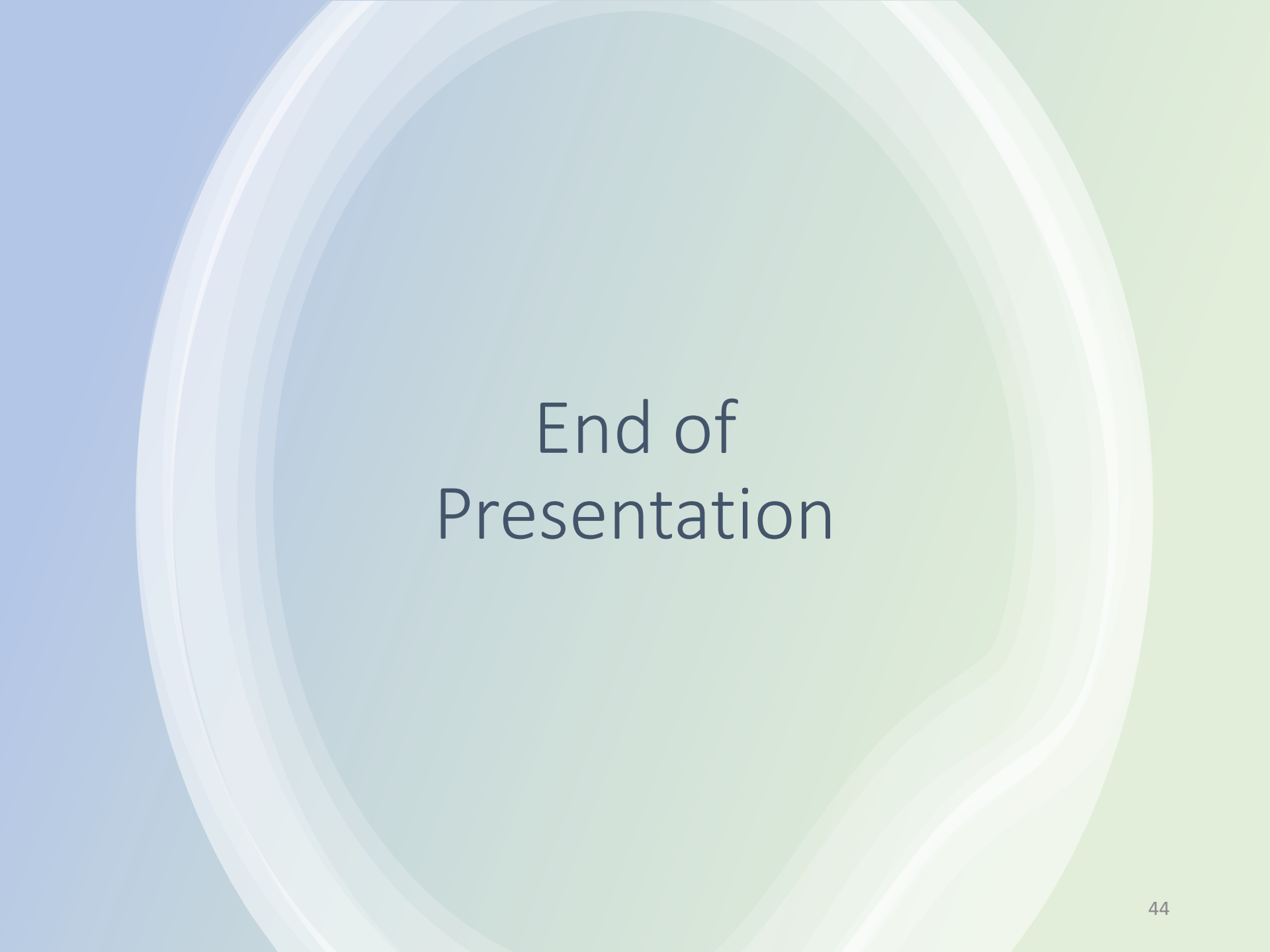
ULTIMATE HOLLAND CHANNEL:	\$25,530,000
INTERIM HOLLAND CHANNEL:	\$21,220,000
FUTURE BRIGGS ROAD 4 BARREL CULVERT:	\$ 4,460,000
FUNDING REQUEST:	17.5% OF ULTIMATE HOLLAND CHANNEL COST



1. GREAT OPPURTUNITY FOR PUBLIC-PRIVATE PARTNERSHIP
 - COORDINATED WITH RCFC&WCD OVER LAST 6 YEARS
 - DESIGN CLOSELY COORDIANTED WITH RCFC&WCD/CITY OF MENIFEE
2. COST ARE BASED ON 5 REACHES
3. ULTIMATE COST (5 BARREL BRIGGS RD CULVERT)
4. INTERIM COST (1 BARREL BRIGGS RD CULVERT)
5. DEVELOPER AND PROJECT TEAM PLAN & PERMIT PROCESSING
6. OPPORTUNITY TO CONSTRUCT ULTIMATE SYSTEM WITH PARTNERSHIP

PROJECT BENEFITS





End of
Presentation