



RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

AGENDA

Commissioners of Zone 5 of the Riverside County Flood Control and Water Conservation District will hold a Public Budget Hearing at 9:30 a.m. on Wednesday, December 7, 2022 at the Riverside County Flood Control District office, 1995 Market Street, Riverside.

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

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

The Budget Work Session is set for 9:30 a.m. on Wednesday, February 15, 2023 at the Riverside County Flood Control and Water Conservation District office, 1995 Market Street, Riverside. The purpose of the meeting is to discuss the budgeting of projects for Fiscal Year 2023-2024.

ZONE 5

DEBBIE FRANKLIN, 5th District
KERRI MARINER, 5th District
WILLIAM "BILL" DAVIS, 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 2021–2022

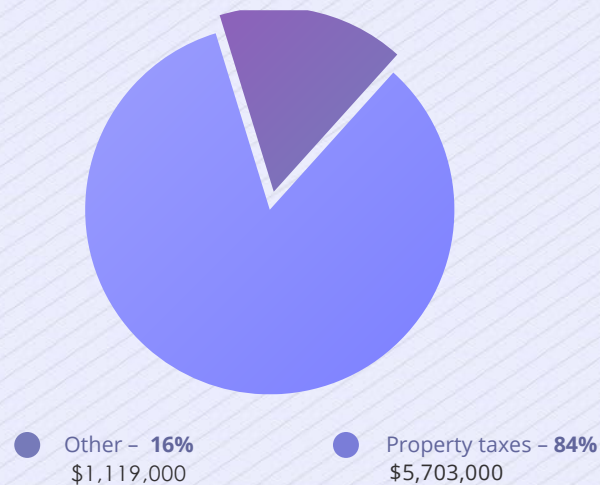
JULY 1, 2021 \$17,646,189

JUNE 30, 2022 \$17,121,808

Sources

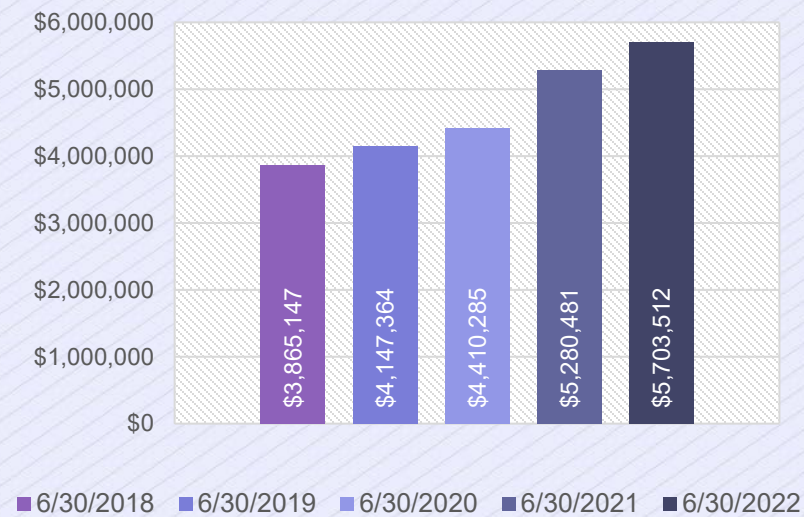
(Where the money comes from)

TOTAL \$6,822,000



Property Taxes

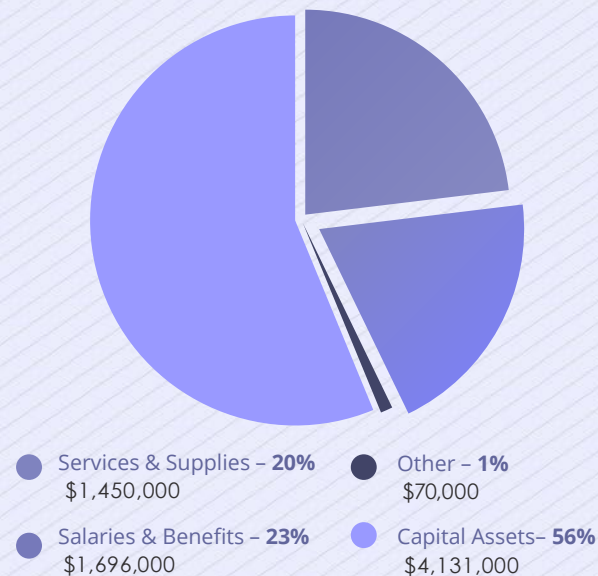
(5 year trend)



Expenditures

(Where the money is spent)

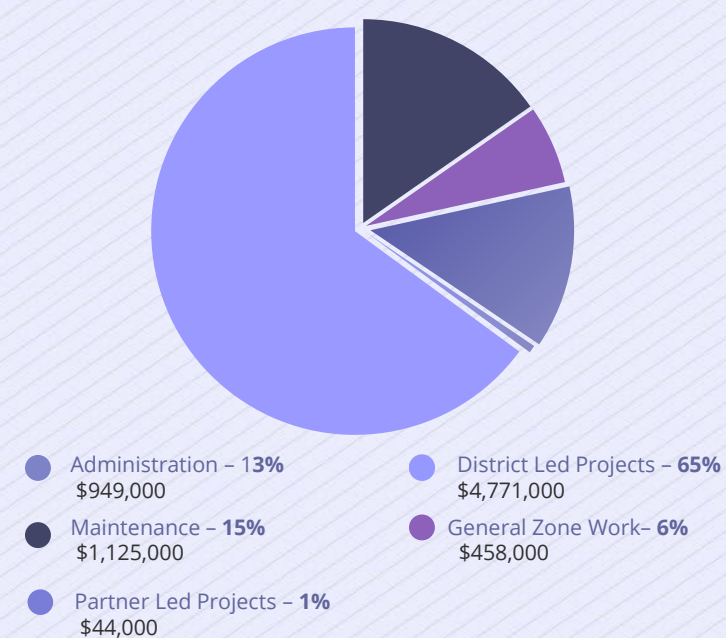
TOTAL \$7,347,000



Uses

(How the money is used)

TOTAL \$7,347,000



ZONE 5

DEBBIE FRANKLIN, 5th District

KERRI MARINER, 5th District

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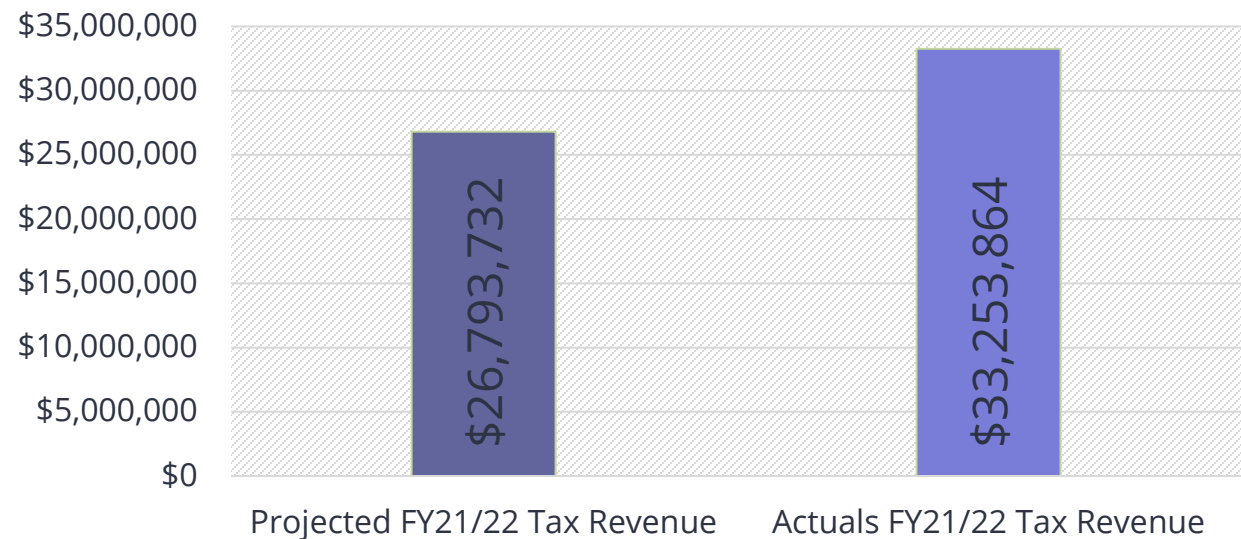
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**Forecasting
FY23-24 thru FY27-28**

FY21-22 Projections vs. Actuals Additional Revenue Available



Forecasting \$12,602,000 to be available for Cost Increases on Existing Projects and New Requests

Zone 5
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
September 2022

Active District-Led Projects

Marshall Creek, Stage 1 (5-8-00080-01)

This is a District-led storm drain improvement project in unincorporated Riverside County that will construct drainage facilities beginning at the intersection of Brookside Avenue and Cherry Avenue and extend southwest into the existing Marshall Creek Channel south of Shane Lane, owned by the City of Beaumont. The project is anticipated to consist of approximately 2,300 feet of improvements consisting of a combination of reinforced concrete box, trapezoidal channel, and rectangular channel of various dimensions. The primary objective of this project is to provide infrastructure that will enable 100-year flood protection to residents, property, and infrastructure adjacent to the project and provide improved flood protection to the intersection of Brookside Avenue and Cherry Avenue. This project is funded by the District. A Project Scoping/Project Charter has been completed, and a Preliminary Design Report is being prepared to analyze proposed alternative alignments and select a preferred alternative.

Beaumont MDP Line 16 (5-8-00201-01)

This is a District-led storm drain project featuring water conservation elements and is a joint project with Beaumont-Cherry Valley Water District (BCVWD). The project consists of 7,800 feet of pipe (54"-84") and recharge basin improvements. The primary objective of this project is to provide flood protection to residents near Grand Avenue in Cherry Valley and increase groundwater recharge within the project vicinity. Storm flows are generally collected in Bellflower Avenue, Winesap Avenue, Jonathan Avenue, Cherry Avenue, Nobel Street, and Grand Avenue and are safely conveyed westerly to an existing recharge basin owned and operated by BCVWD. Flows reaching the basins will help recharge the groundwater basin and become available for future pumping to meet the community's water needs. Project cost will be based on a 50/50 cost share between the District and BCVWD. The project is partially funded by the Proposition 84 Integrated Regional Water Management Grant equating to approximately \$1.2 million. The remaining construction costs will be split equally between BCVWD and the District. The project is currently under construction. The District issued a Notice to Proceed to the Contractor on September 27, 2021, and the contractor broke ground in March 2022. The construction is scheduled for completion by end of December 2022.

Zone 5
Report to the Zone Commissioners
September 2022

Active Partner-Led Projects

San Gorgonio Integrated Regional Watershed Management (IRWM) (5-6-10027-00)

This is a City of Banning-led effort to identify and implement water management solutions on a regional scale. The project will include activities to support close coordination with project proponents, the District, Regional Water Management Group Members, and other stakeholders. Cost includes project management of the San Gorgonio IRWM Plan, including close coordination with all key stakeholders.

Calimesa Channel (5-8-00160-03)

This is a City of Calimesa-led project will provide flood protection and reduce erosion along Calimesa Creek and adjacent public facilities. Storm flows are generally conveyed from east to west. This project will be broken up into two phases. Phase 1 will be located within County Line Road and includes approximately 1,700 feet of storm drain collecting flows from Calimesa Creek near 5th Street and will convey them westerly toward Calimesa Boulevard. Phase 2 will construct a 53-acre detention basin near the southwest corner of 3rd Street and County Line Road. This basin will divert storm flows for attenuation from the existing Calimesa Channel entering from the east and will outlet back into the existing channel to the west. Phase 2 will construct a storm drain starting from the existing Calimesa Channel outlet located on 5th Street to connect into the Phase 1 storm drain on County Line Road. Phase 2 will also construct the outlet for the entire system from Phase 1 near the intersection of Calimesa Boulevard and County Line Road to an existing 78-inch diameter storm drain located 300 feet west of the intersection. This project is funded by the District. The District and City are working on the cooperative agreement while the City continues to work on the final design plans for the project.

Gilman Home Channel (5-8-00170-06)

This Banning Unified School District (BUSD)-led project will alleviate flooding to the existing Banning High School as well as facilitate future campus expansion. The project extends the existing Gilman Home Channel, Stage 2 southerly approximately 2,000 feet along the westerly boundary of Banning High School. The proposal is to replace the existing natural channel with a reinforced concrete box and/or a concrete trapezoidal channel. The District is funding the cost to design and construct a concrete-lined open trapezoidal channel. Any excess costs to construct a reinforced concrete box through the school site will be funded by BUSD. The District is working with BUSD on finalizing the roles and responsibilities for the preparation of the cooperative agreement for the project. BUSD is currently pursuing sources of funding towards the project to help offset the additional cost to place this facility underground.

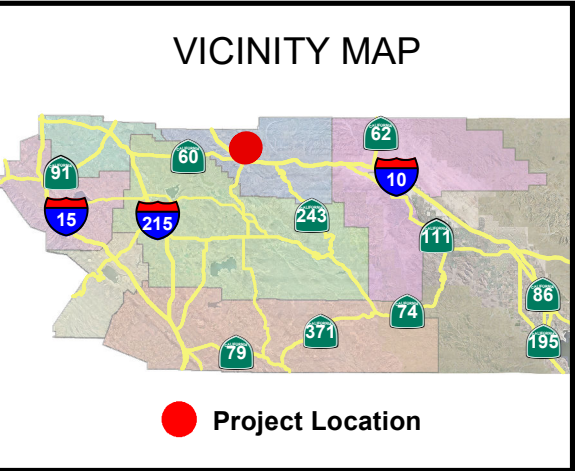
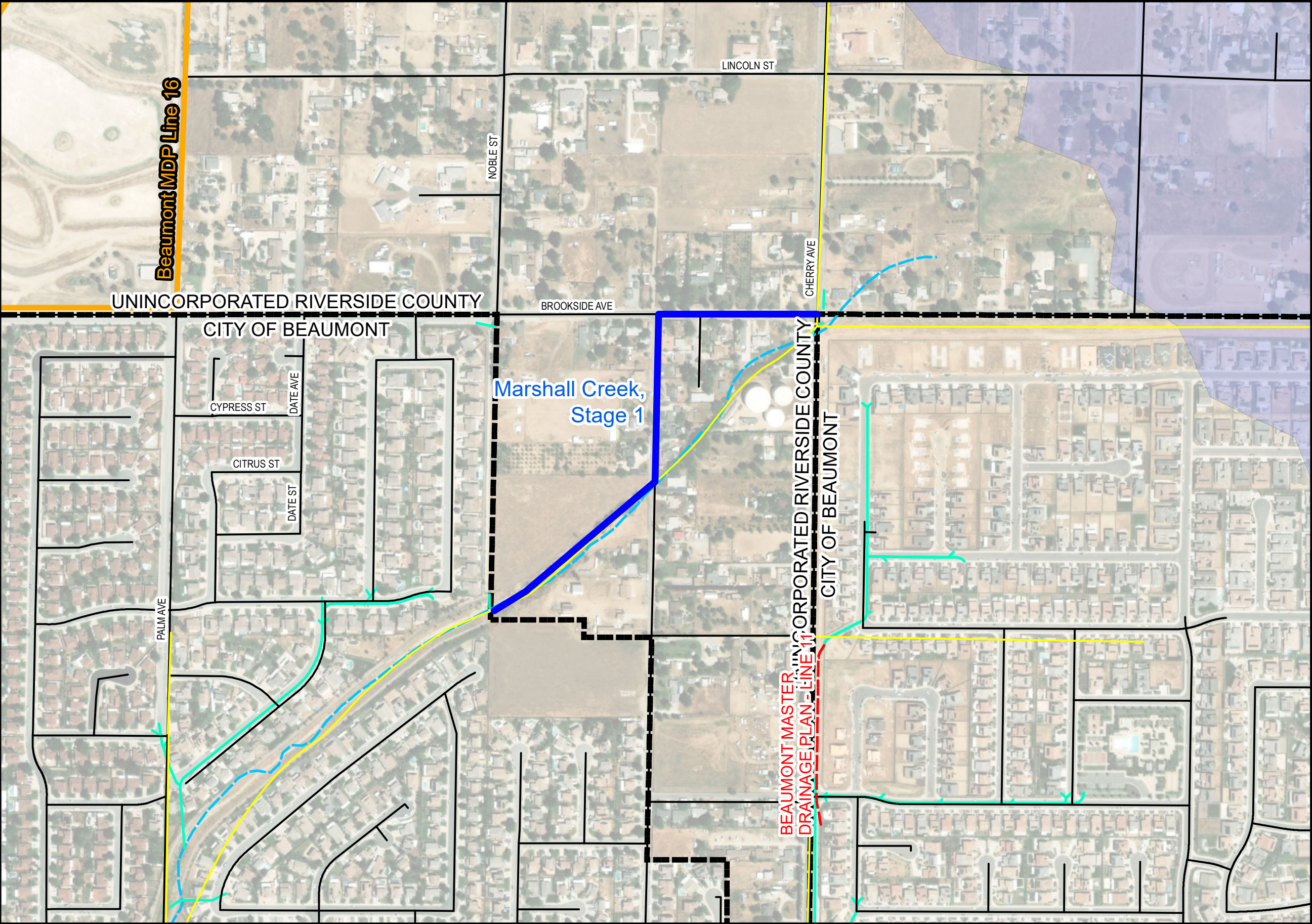
Gilman Home Channel (5-8-00170-07)

This Banning Unified School District (BUSD)-led project will provide an adequate outlet for the Gilman Home Channel, Stage 6 project and alleviate flooding at the KOA Campground at San Gorgonio Avenue and Wesley Street. The project extends the proposed Gilman Home Channel, Stage 6 project approximately 1,000 feet south along the westerly boundary of the campground. The proposal is to replace the existing natural channel with a trapezoidal channel. The District is fully funding the construction of a concrete trapezoidal channel. The District is working with BUSD on finalizing the roles and responsibilities for the preparation of the cooperative agreement for the project. BUSD is currently pursuing sources of funding toward the project to help offset the additional cost to place this facility underground.

Zone 5
Report to the Zone Commissioners
September 2022

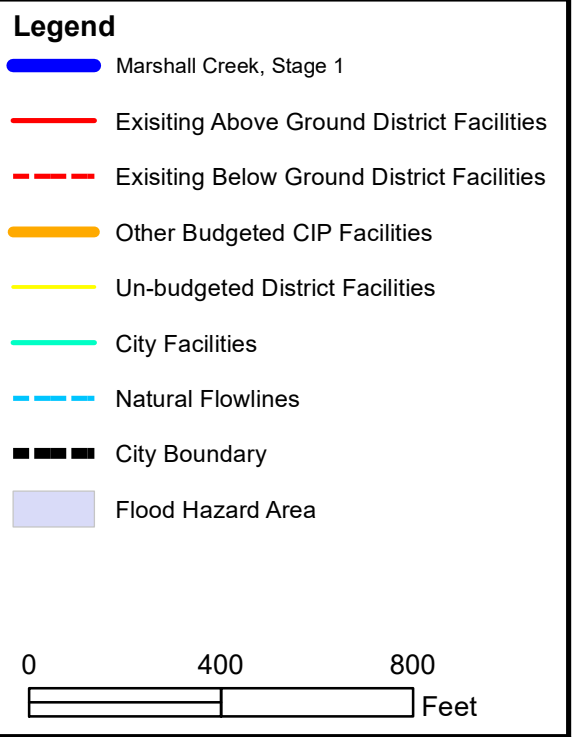
Beaumont MDP Line 2 (5-8-00195-01)

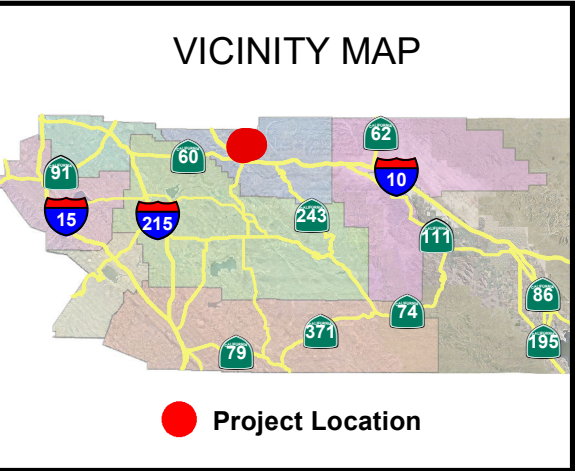
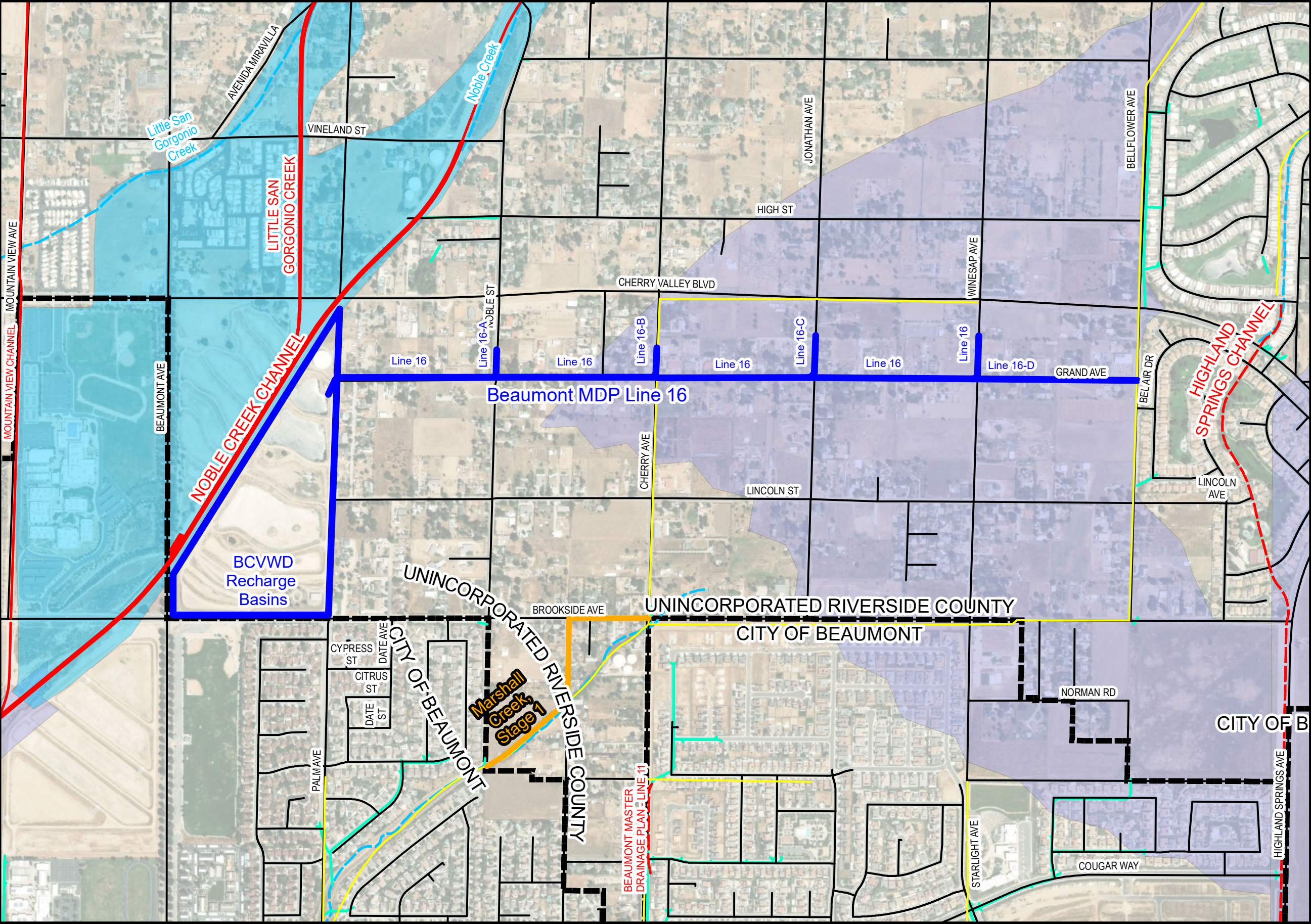
This City of Beaumont-led project will collect storm flows beginning at Chestnut Avenue and 6th Street and convey them in an underground storm drain system east along 6th Street, south along Pennsylvania Avenue past Interstate 10, where the flows will then outlet into an existing developer constructed open channel located east of the intersection of First Street and Berkshire Avenue. The project will construct 4,800 feet of storm drain which will provide flood protection to the surrounding community. This project is funded by the District. The cooperative funding agreement between the District and the City was approved by City Council and executed by the District's Board. The City has expressed interest in including additional watershed areas to drain into the storm drain facility. These areas have not been originally accounted for in the design of the Line 2 storm drain; as a result, an additional drainage study will be required to address this change. The City will begin the improvement plans once the additional drainage study is complete.



Description

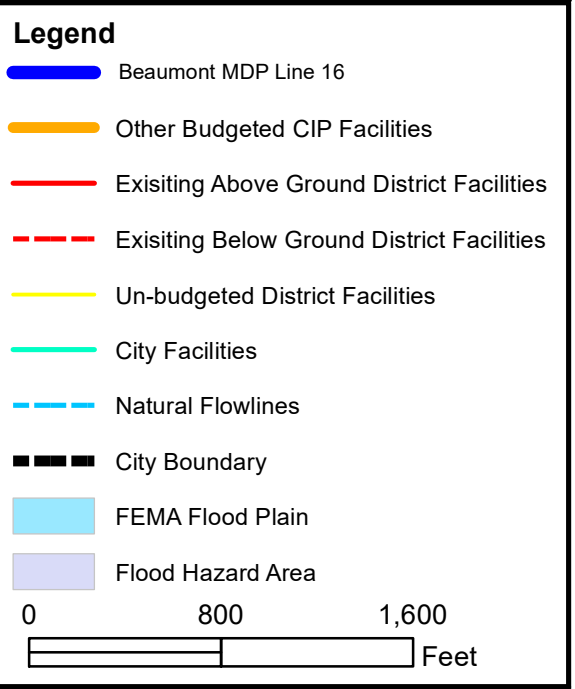
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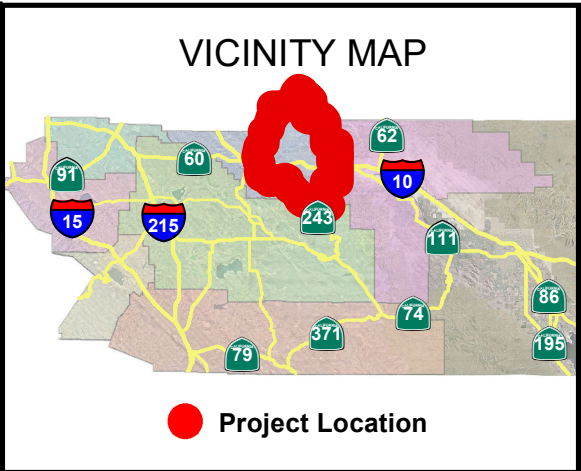
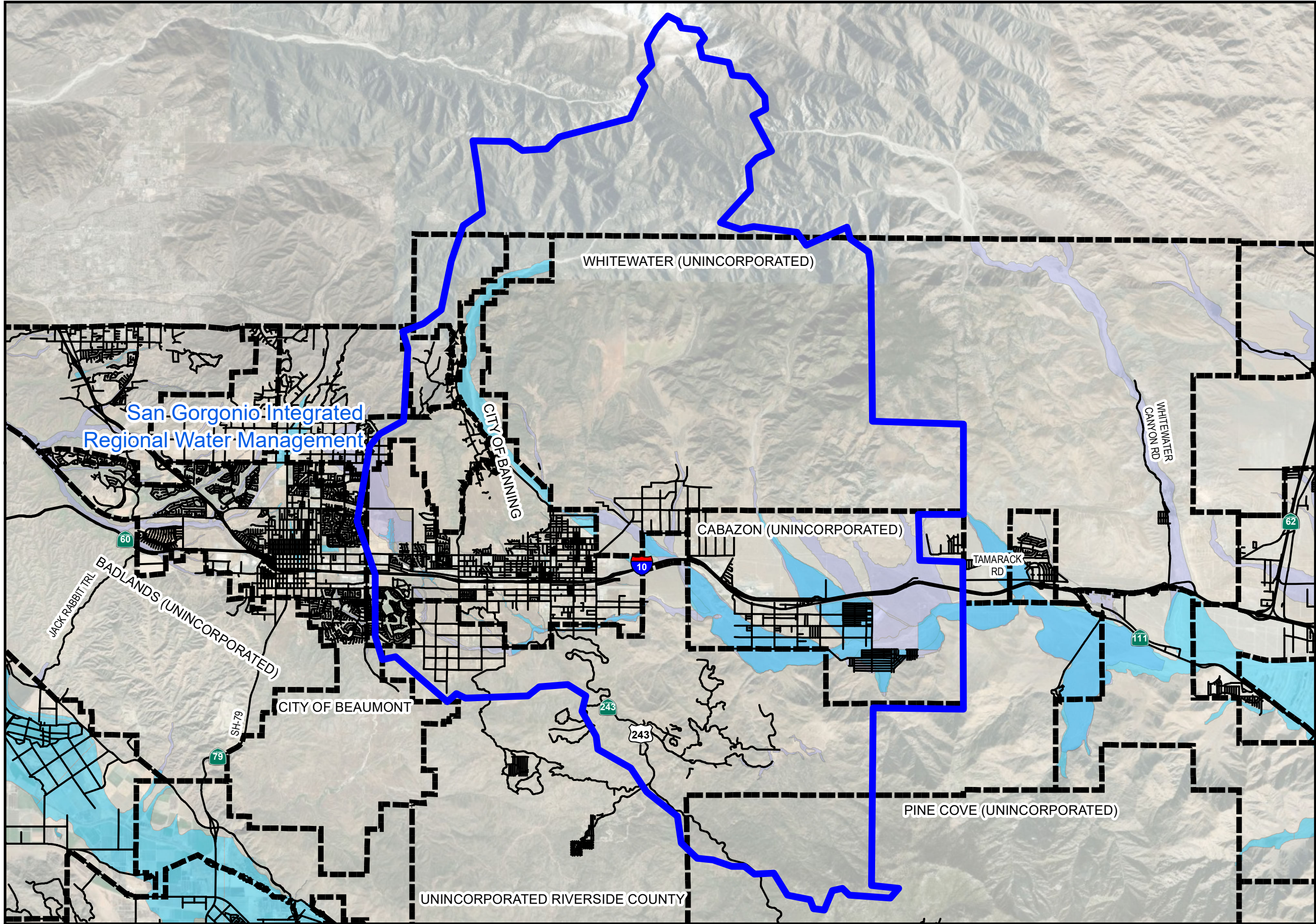




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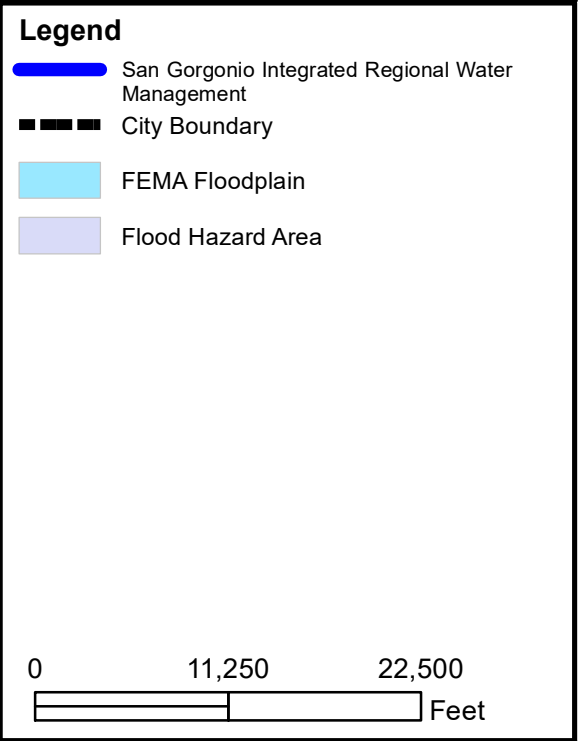
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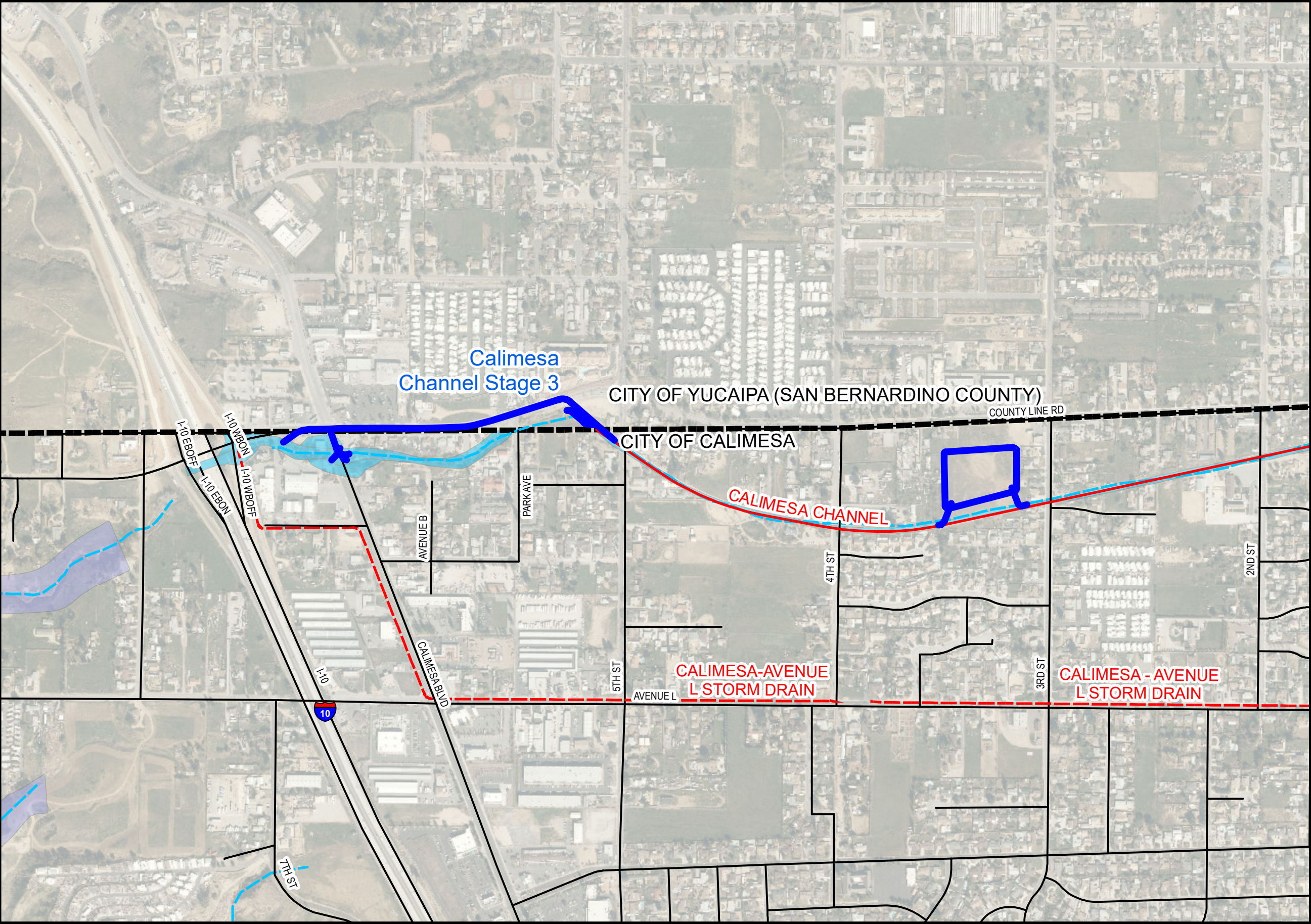




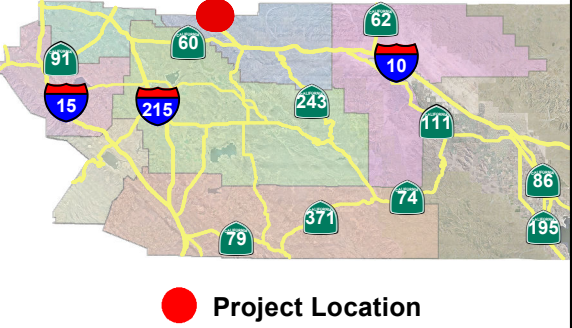
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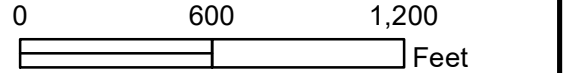
VICINITY MAP



Description

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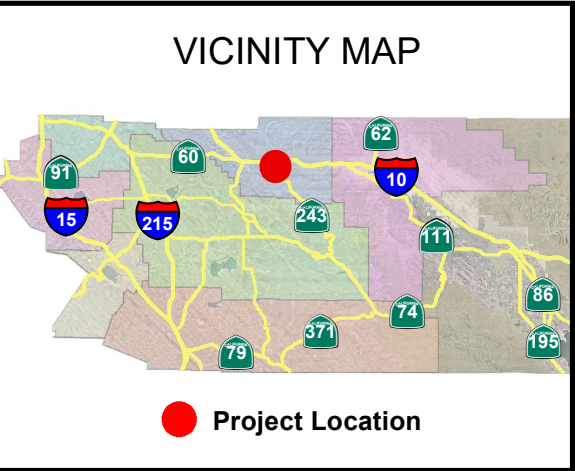
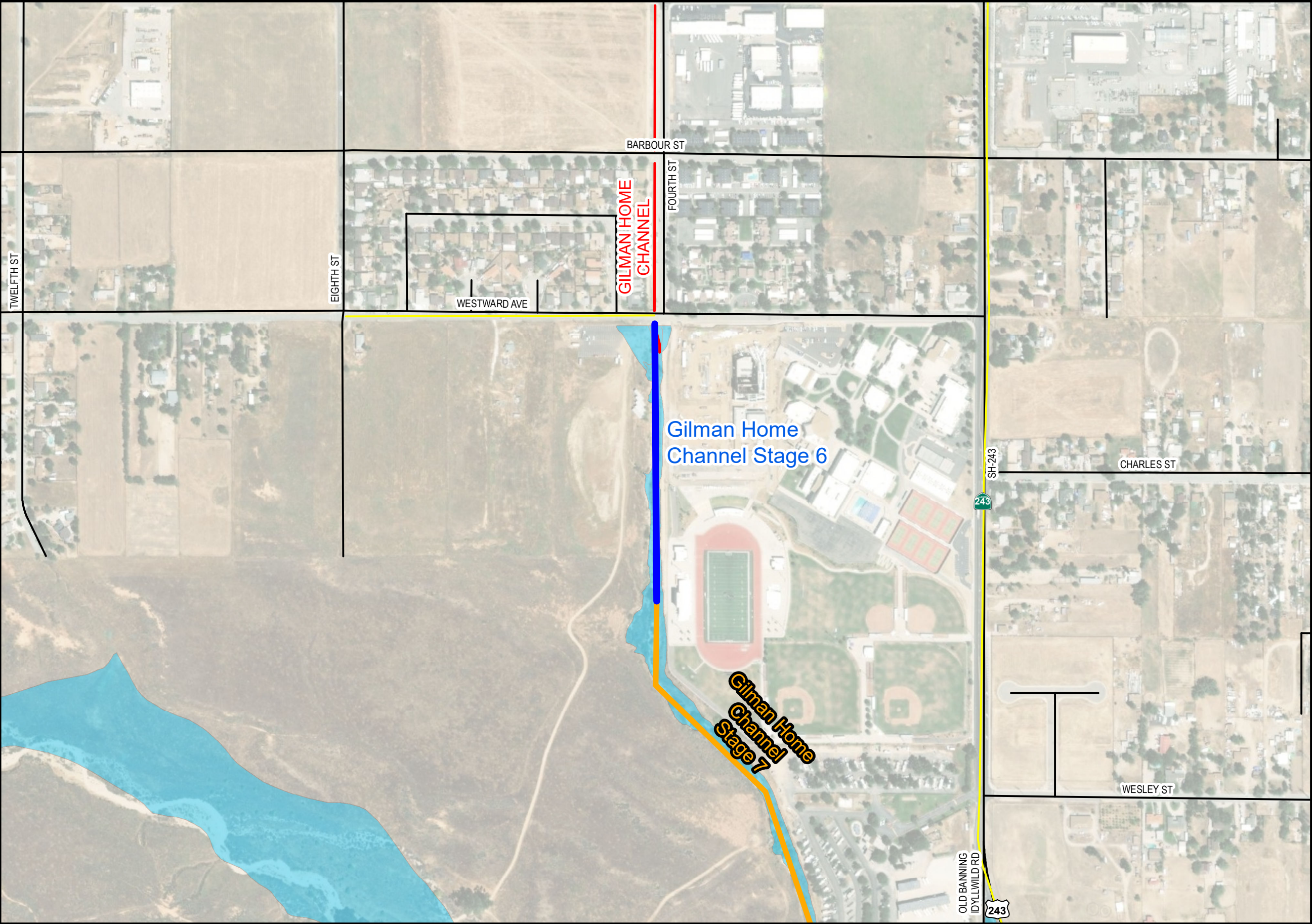
- Legend**
- Calimesa Channel Stage 3
 - Existing Above Ground District Facilities
 - Existing Below Ground District Facilities
 - Natural Flowlines
 - City Boundary
 - FEMA Flood Plain
 - Flood Hazard Area



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
Calimesa Channel Stage 3
Supervisorial District 5

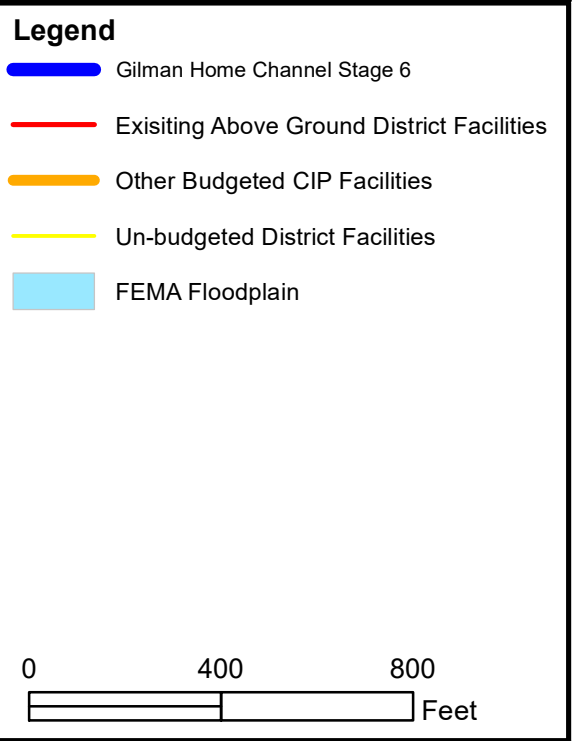


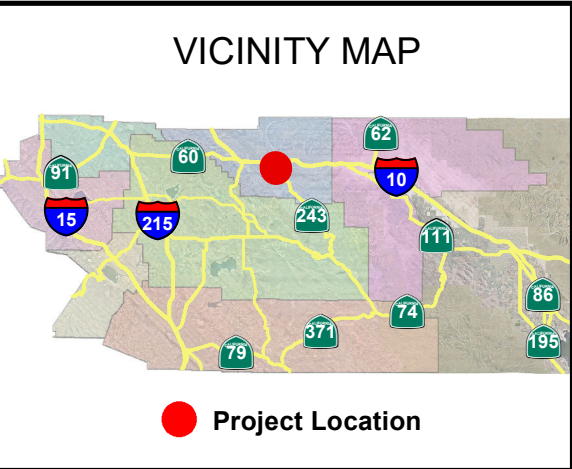
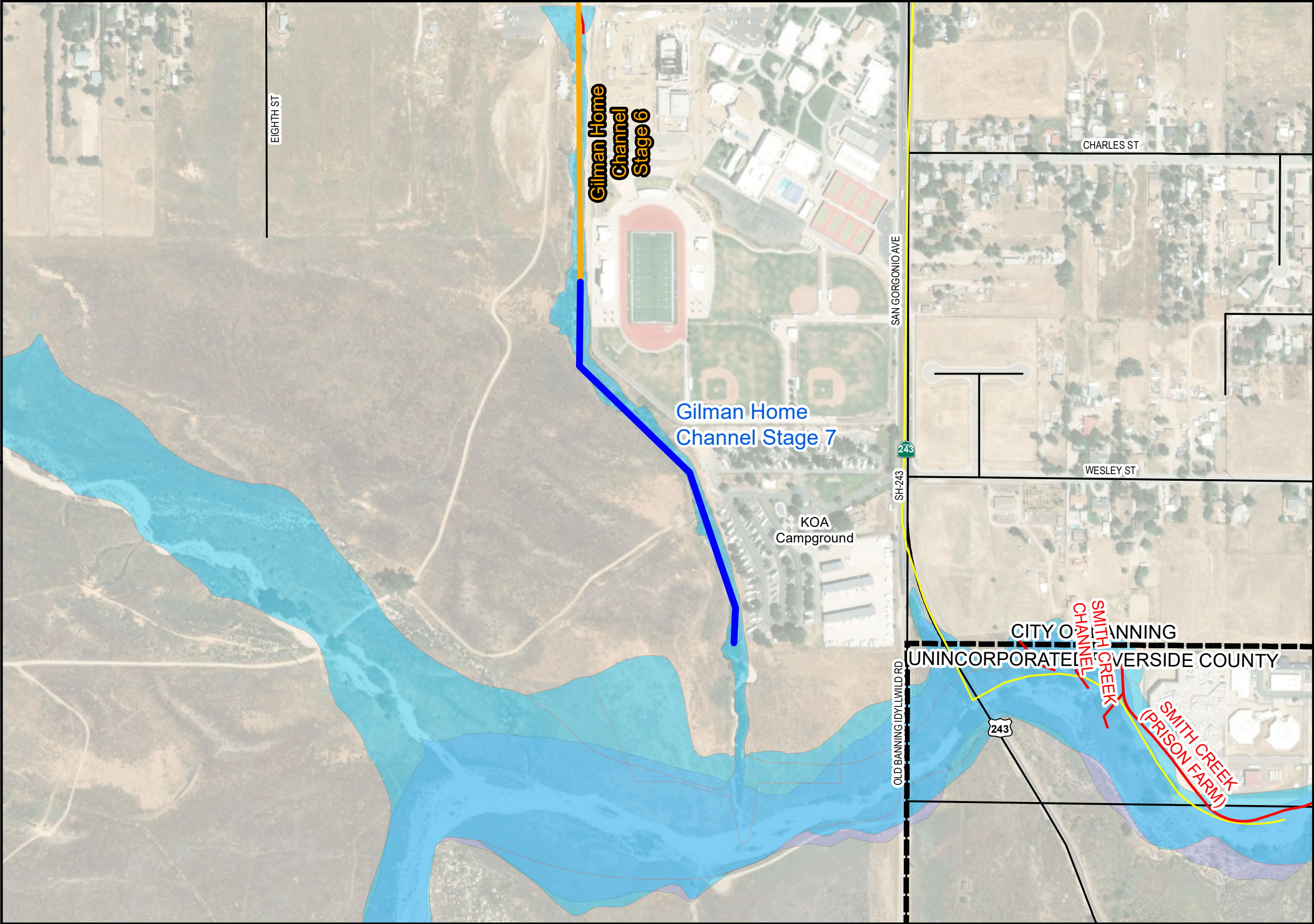
| | |
|--------------|-----------|
| Project No. | 5-8-00160 |
| Engineer | A. Leung |
| Date Created | 6/28/2022 |



Description

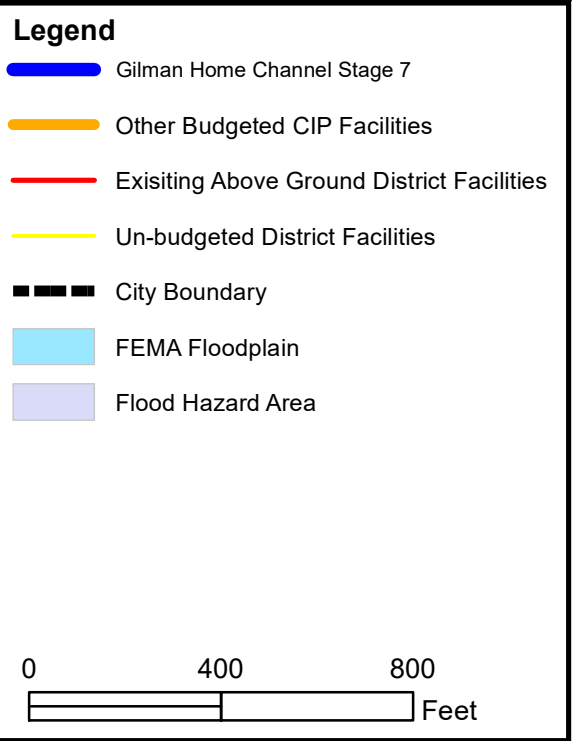
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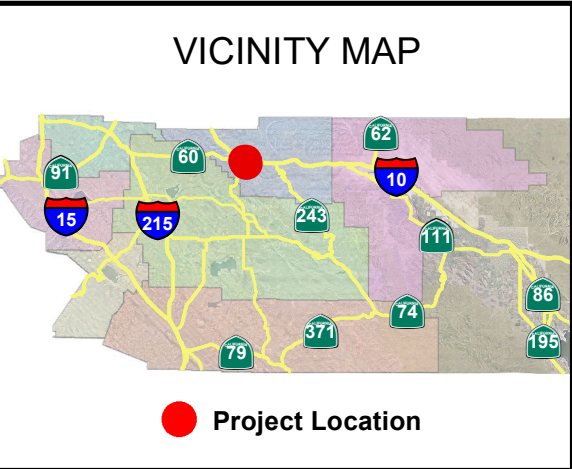
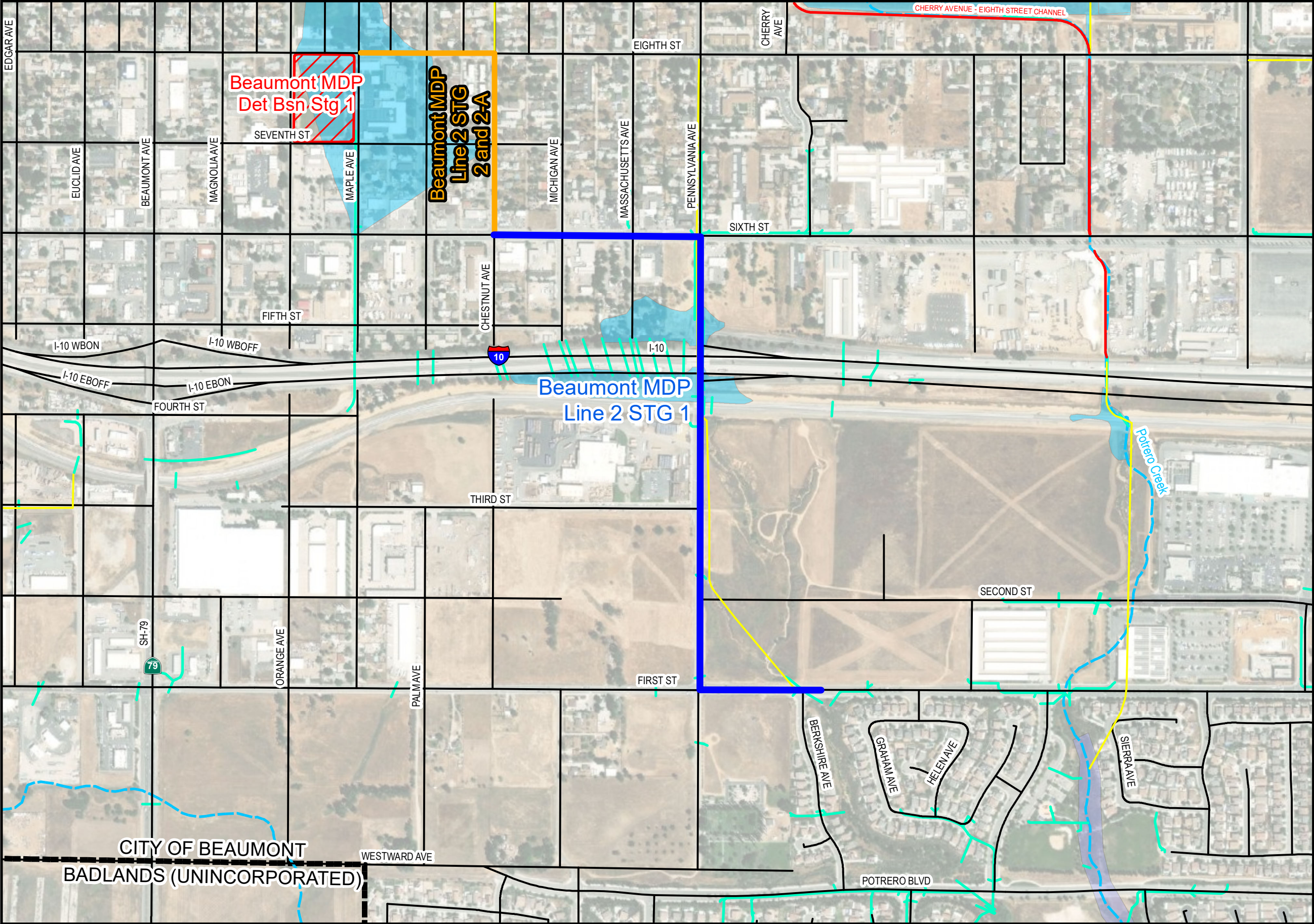




Description

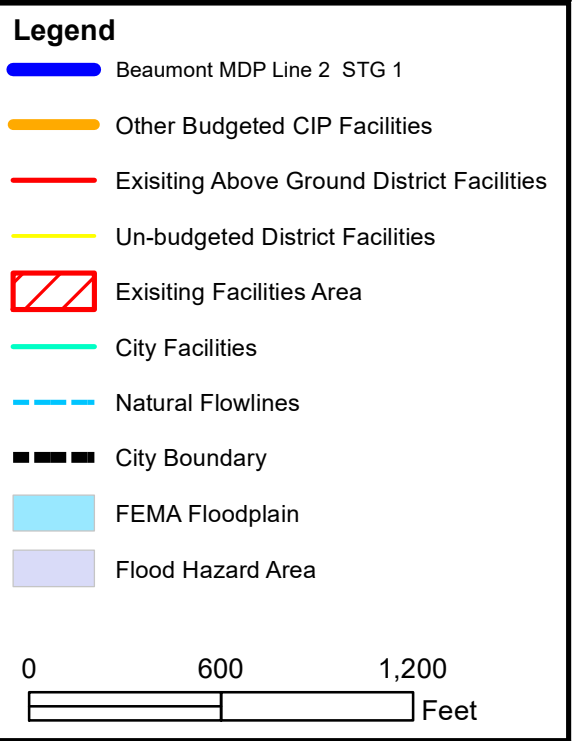
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Description

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Zone 5 Budget Hearing

December 7, 2022



For attendees joining via TEAMS:

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

Flood Control



Storm Drains, Channels, Levees, Dams

Shared Responsibility for Flood Protection



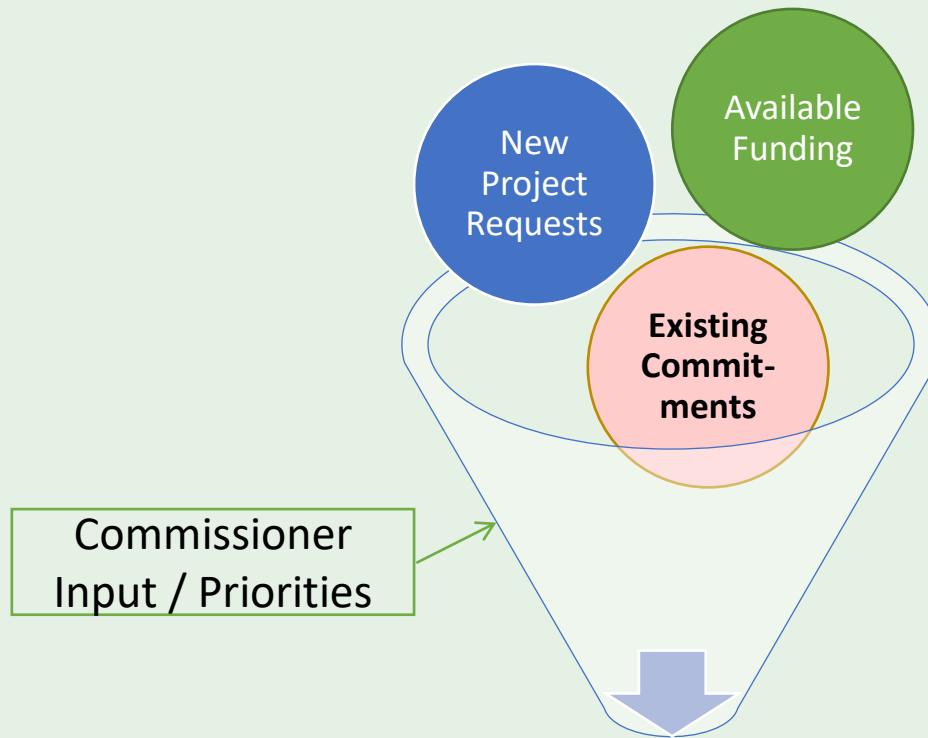
- Riverside County Flood
 - Dams, levees
 - Regional channels and storm drains
- Cities/County
 - Road culverts
 - Smaller storm drains ($\leq 36"$)
 - Catch basins (roadside inlets)
- Rural Property Owners/HOAs
 - Other drainage infrastructure
 - Natural washes



Hearing

New
Project
Requests

Hearing



District Staff Evaluate projects, costs, funding

Workshop





Available
Funding

Sunita Jain

Administrative Services Supervisor

ZONE 5

DEBBIE FRANKLIN, 5th District
KERRI MARINER, 5th District
WILLIAM "BILL" DAVIS, 5th District

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Fund Balance for FY 2021–2022

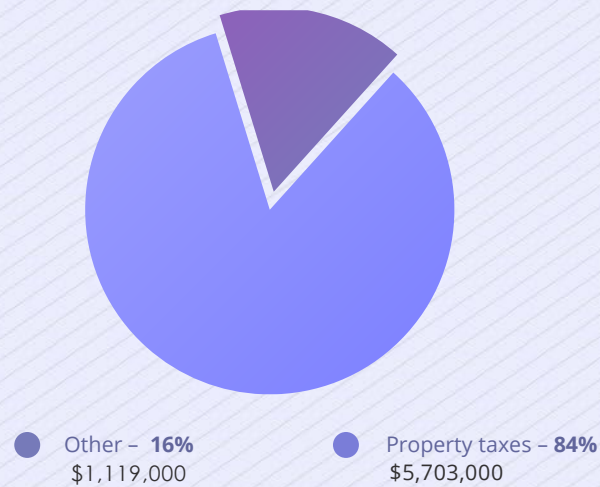
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Sources

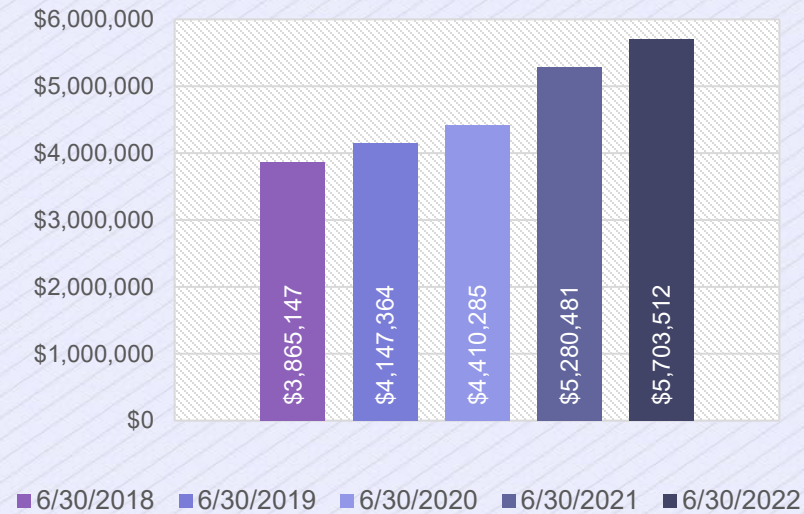
(Where the money comes from)

TOTAL \$6,822,000



Property Taxes

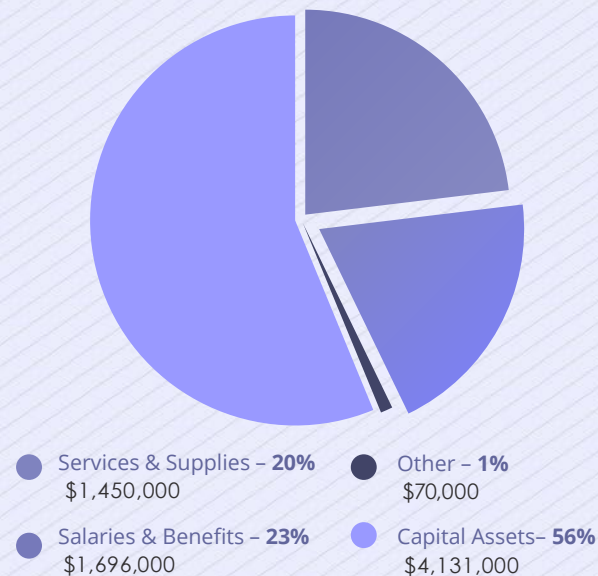
(5 year trend)



Expenditures

(Where the money is spent)

TOTAL \$7,347,000



Uses

(How the money is used)

TOTAL \$7,347,000



ZONE 5

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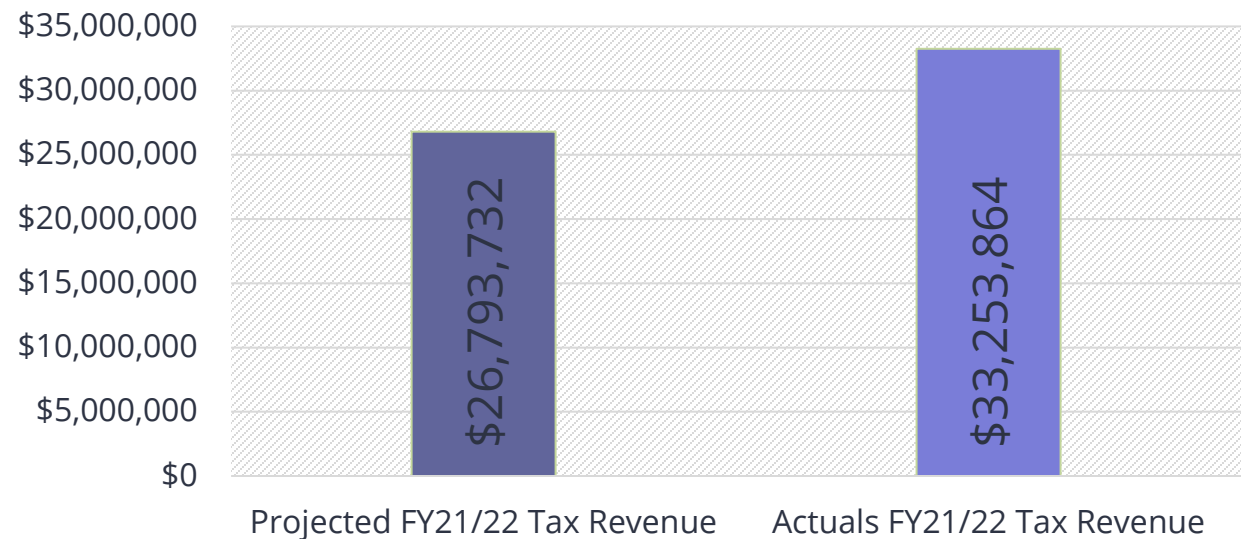
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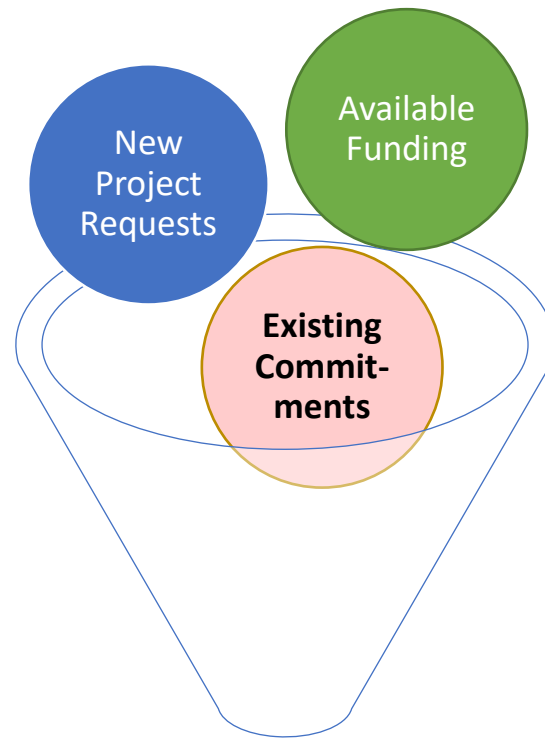



**Forecasting
FY23-24 thru FY27-28**

FY21-22 Projections vs. Actuals Additional Revenue Available



Forecasting \$12,602,000 to be available for Cost Increases on Existing Projects and New Requests





**Existing
Commitments**

Komy Ghods

Chief of Design and Construction

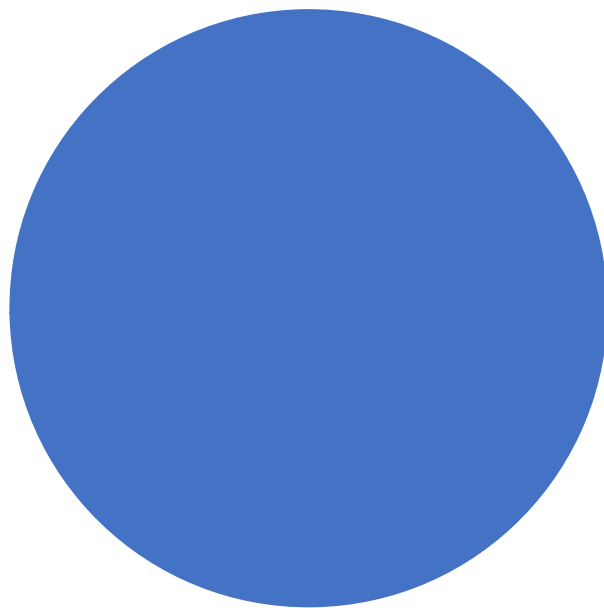
Deborah de Chambeau

Chief of Planning

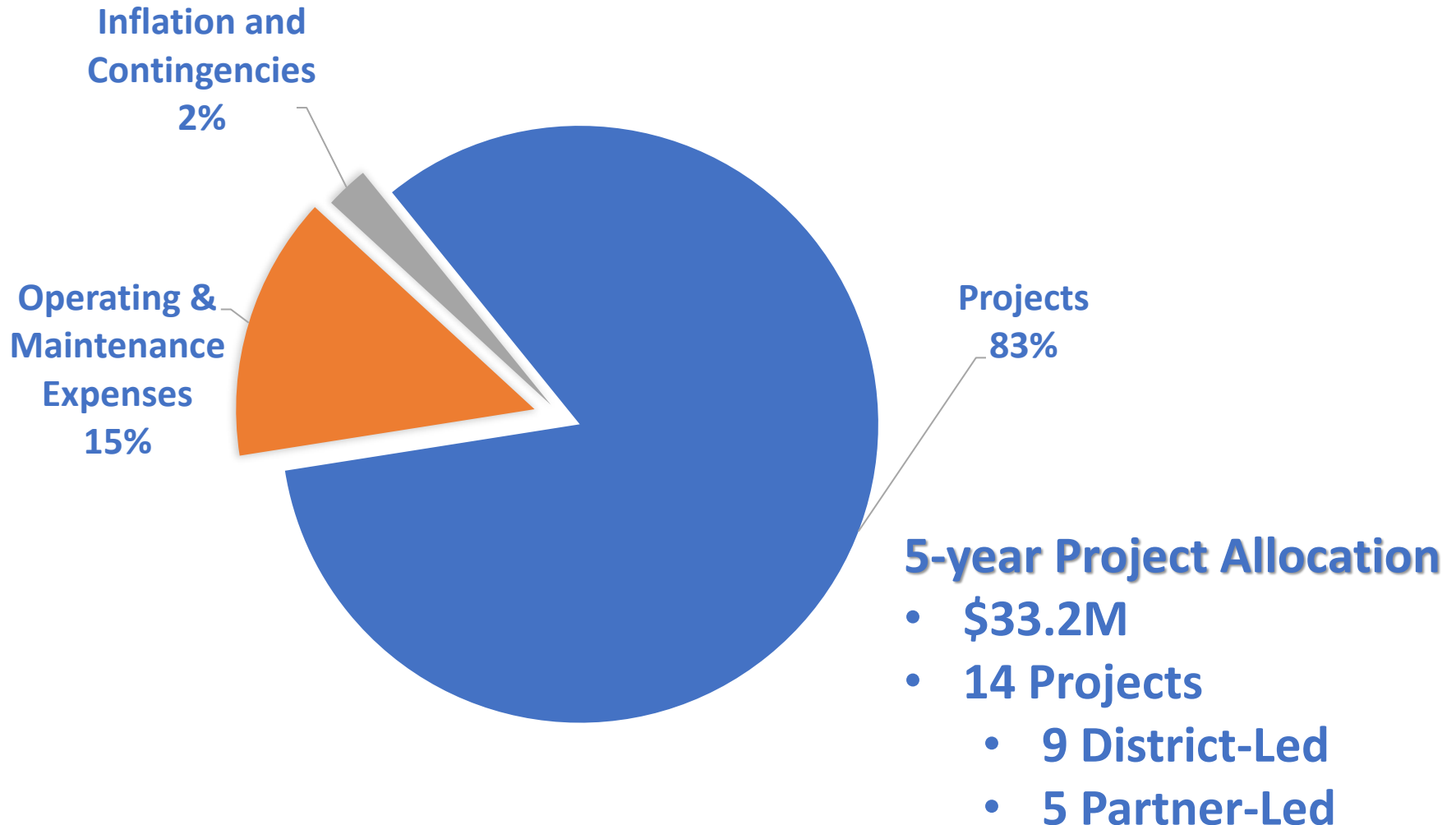
Estimates from last February



Estimates from last February



5-Year Allocations per CIP



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DISTRICT LED PROJECT SUMMARY - ZONE 5
FISCAL YEARS 2022-23 THROUGH 2026-27

| Project Number | Stg No. | Project Title | Project Cost | Appropriation | | Funding Sources (5-Year Total) | | | Total Not District Funded |
|-------------------------------------|---------|------------------------------------|----------------------|---------------|--------------|--------------------------------|------------------|-----------------------|---------------------------|
| | | | Total Remaining Cost | FY 2022-23 | FY 2023-27 | Tax Revenue | ADP Contribution | External Contribution | |
| DESIGN AND CONSTRUCTION PROJECTS: | | | | | | | | | |
| 5-8-00080 | 01 | MARSHALL CREEK | \$7,905,411 | \$542,688 | \$7,362,723 | \$7,905,411 | \$0 | \$0 | \$0 |
| 5-8-00201 | 50 | BEAUMONT MDP LINE 16 (RCHRG BASIN) | 5,179,647 | 5,179,647 | 0 | 1,790,322 | 0 | 3,389,325 | 0 |
| PLANNING PROJECTS: | | | | | | | | | |
| 5-6-10000 | 00 | SMITH CREEK/PERSHING CREEK STUDY | 250,000 | 0 | 250,000 | 250,000 | 0 | 0 | 0 |
| 5-8-00010 | 90 | LITTLE SAN GORGONIO CRK POST FIRE | 500,000 | 0 | 500,000 | 500,000 | 0 | 0 | 0 |
| 5-8-00020 | 93 | NOBLE CREEK BOLLARD REM POST FIRE | 750,000 | 0 | 750,000 | 750,000 | 0 | 0 | 0 |
| 5-8-00092 | 01 | BANNING MDP LINE 1 AT RAMSEY | 547,111 | 0 | 547,111 | 547,111 | 0 | 0 | 0 |
| 5-8-00150 | 04 | WEST PERSHING CHANNEL | 3,019,229 | 0 | 2,000,000 | 2,000,000 | 0 | 0 | (1,019,229) |
| 5-8-09027 | 01 | EAST GILMAN HOME CH DEBRIS BASIN | 2,902,389 | 0 | 100,000 | 100,000 | 0 | 0 | (2,802,389) |
| 5-8-09031 | 02 | BEAUMONT MDP LINE 2 STG 2 & 2-A | 2,140,544 | 0 | 740,544 | 740,544 | 0 | 0 | (1,400,000) |
| DESIGN AND CONSTRUCTION PROJECTS | | | \$13,085,058 | \$5,722,335 | \$7,362,723 | \$9,695,733 | \$0 | \$3,389,325 | \$0 |
| PLANNING PROJECTS | | | 10,109,273 | 0 | 4,887,655 | 4,887,655 | 0 | 0 | (5,221,618) |
| ZONE 5 DISTRICT LED PROJECTS TOTALS | | | \$23,194,331 | \$5,722,335 | \$12,250,378 | \$14,583,388 | \$0 | \$3,389,325 | (\$5,221,618) |

FIVE YEAR CIP SUMMARY

FUND BALANCE FORWARD - JULY 1, 2022:

| | |
|-----------------------------------|---------------------|
| Zone 5 Fund | \$13,759,483 |
| Total Fund Balance Forward | \$13,759,483 |

REVENUE:

| | |
|--------------------------------|---------------------|
| Taxes | \$26,793,732 |
| Interest | 225,378 |
| Rental | 0 |
| Subtotal Revenue | 27,019,110 |
| External Contribution | 3,389,325 |
| Total Five Year Revenue | \$30,408,435 |
| Total Funds Available | \$44,167,918 |

APPROPRIATIONS:

| | |
|--------------------------------------|---------------------|
| District Led Projects Appropriations | \$17,972,713 |
| Partner Led Projects Appropriations | 18,596,351 |
| Capital Project Cost Inflation | 535,153 |
| Operating & Maintenance Expenses | 6,284,253 |
| Contingencies | 487,576 |
| Total Appropriations | \$43,876,046 |

ENDING FUND BALANCE - JUNE 30, 2027:

| | |
|----------------------------------|------------------|
| Zone 5 Fund | \$291,872 |
| Total Ending Fund Balance | \$291,872 |

Existing Commitments

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PARTNER LED PROJECT SUMMARY - ZONE 5
FISCAL YEARS 2022-23 THROUGH 2026-27

| Project Number | Stg No. | Project Title | Project Cost | Project Appropriation | | | | Funding Sources | | Total Not District Funded |
|--|---------|--------------------------------|----------------------|-----------------------|--------------------------------|----------------------|--------------------------------|-----------------|------------------|---------------------------|
| | | | Total Remaining Cost | FY 2022-23 | | FY 2023-27 | | 5-year total | | |
| | | | | District Direct Cost | Contribution to Partner Agency | District Direct Cost | Contribution to Partner Agency | Tax Revenue | ADP Contribution | |
| PARTNER LED CONTRIBUTION PROJECTS | | | | | | | | | | |
| 5-6-10027 | 00 | SAN GORGONIO IRWM CONTRIBUTION | \$140,000 | \$0 | \$28,987 | \$0 | \$111,013 | \$140,000 | \$0 | \$0 |
| PARTNER LED CAPITAL IMPROVEMENT PROJECTS | | | | | | | | | | |
| 5-8-00160 | 03 | CALIMESA CHANNEL STG 3 | 7,356,200 | 67,642 | 7,288,558 | 0 | 0 | 7,356,200 | 0 | 0 |
| 5-8-00170 | 06 | GILMAN HOME CHANNEL STG 6 | 2,849,176 | 100,000 | 100,000 | 102,590 | 2,546,586 | 2,849,176 | 0 | 0 |
| 5-8-00170 | 07 | GILMAN HOME CHANNEL STG 7 | 1,752,542 | 100,000 | 100,000 | 89,192 | 1,463,350 | 1,752,542 | 0 | 0 |
| 5-8-00195 | 01 | BEAUMONT MDP LINE 2 STG 1 | 6,498,433 | 0 | 715,910 | 98,523 | 5,684,000 | 6,498,433 | 0 | 0 |
| PARTNER LED CONTRIBUTION PROJECTS | | | \$140,000 | \$0 | \$28,987 | \$0 | \$111,013 | \$140,000 | \$0 | \$0 |
| PARTNER LED CAPITAL IMPROVEMENT PROJECTS | | | 18,456,351 | 267,642 | 8,204,468 | 290,305 | 9,693,936 | 18,456,351 | 0 | 0 |
| ZONE 5 PARTNER LED PROJECTS TOTALS | | | \$18,596,351 | \$267,642 | \$8,233,455 | \$290,305 | \$9,804,949 | \$18,596,351 | \$0 | \$0 |

Existing Commitments

Zone 5
Report to the Zone Commissioners
By Jason E. Uhley, General Manager-Chief Engineer
September 2022

Active District-Led Projects

Marshall Creek, Stage 1 (5-8-00080-01)

This is a District-led storm drain improvement project in unincorporated Riverside County that will construct drainage facilities beginning at the intersection of Brookside Avenue and Cherry Avenue and extend southwest into the existing Marshall Creek Channel south of Shane Lane, owned by the City of Beaumont. The project is anticipated to consist of approximately 2,300 feet of improvements consisting of a combination of reinforced concrete box, trapezoidal channel, and rectangular channel of various dimensions. The primary objective of this project is to provide infrastructure that will enable 100-year flood protection to residents, property, and infrastructure adjacent to the project and provide improved flood protection to the intersection of Brookside Avenue and Cherry Avenue. This project is funded by the District. A Project Scoping/Project Charter has been completed, and a Preliminary Design Report is being prepared to analyze proposed alternative alignments and select a preferred alternative.

Beaumont MDP Line 16 (5-8-00201-01)

This is a District-led storm drain project featuring water conservation elements and is a joint project with Beaumont-Cherry Valley Water District (BCVWD). The project consists of 7,800 feet of pipe (54"-84") and recharge basin improvements. The primary objective of this project is to provide flood protection to residents near Grand Avenue in Cherry Valley and increase groundwater recharge within the project vicinity. Storm flows are generally collected in Bellflower Avenue, Winesap Avenue, Jonathan Avenue, Cherry Avenue, Nobel Street, and Grand Avenue and are safely conveyed westerly to an existing recharge basin owned and operated by BCVWD. Flows reaching the basins will help recharge the groundwater basin and become available for future pumping to meet the community's water needs. Project cost will be based on a 50/50 cost share between the District and BCVWD. The project is partially funded by the Proposition 84 Integrated Regional Water Management Grant equating to approximately \$1.2 million. The remaining construction costs will be split equally between BCVWD and the District. The project is currently under construction. The District issued a Notice to Proceed to the Contractor on September 27, 2021, and the contractor broke ground in March 2022. The construction is scheduled for completion by end of December 2022.

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

Recent Activity and Trends

On-Going Emergency Efforts

Completed and Pending

December 2021 Events



NOBLE CREEK 1 - 2021-12-14 13:31:53 - Riverside County Flood Control



15M: 0.12 30M: 0.31 1H: 0.51 3H: 0.98 6H: 1.93 1D: 2.48 7D: 3.23 (OGCC)







10



September 2022 Events





Future District Needs

- Apple / El Dorado Fire
 - Future Emergency Work
 - After the mountainside heals
 - Restore Little San Geronio Basins
 - Remove Bollards?



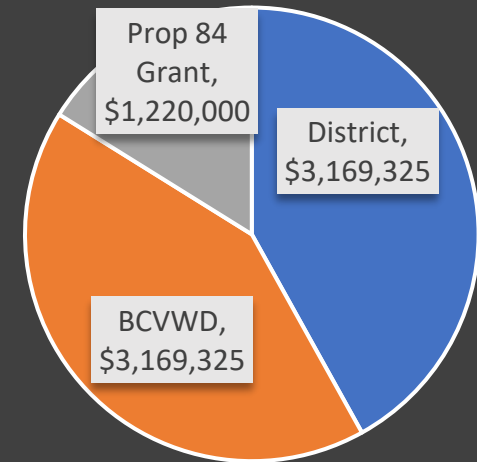
Construction Projects

Completed and Pending



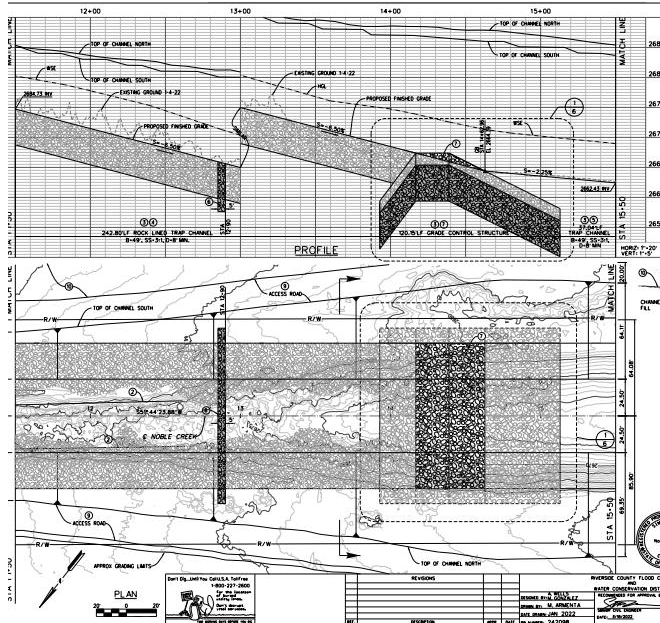
Beaumont MDP Line 16

Funding Sources



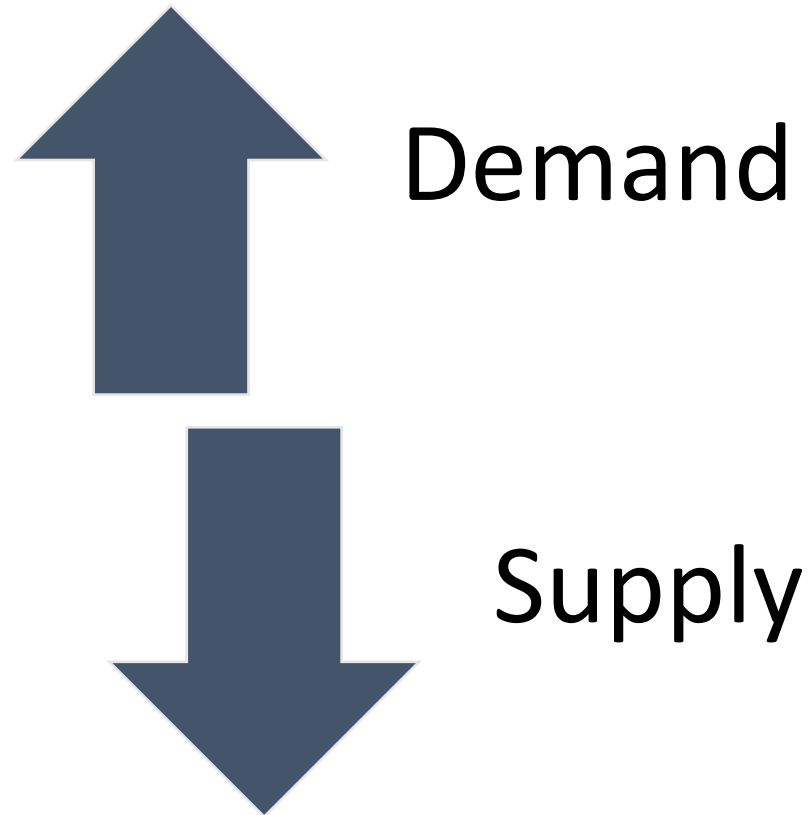
- Cooperative project with Beaumont-Cherry Valley Water District
- Awarded to H&H General Contractors for \$7.6M

Construction Start February 2022, Complete by Dec 2022.



Noble Creek – Emergency Work

Recent Trends

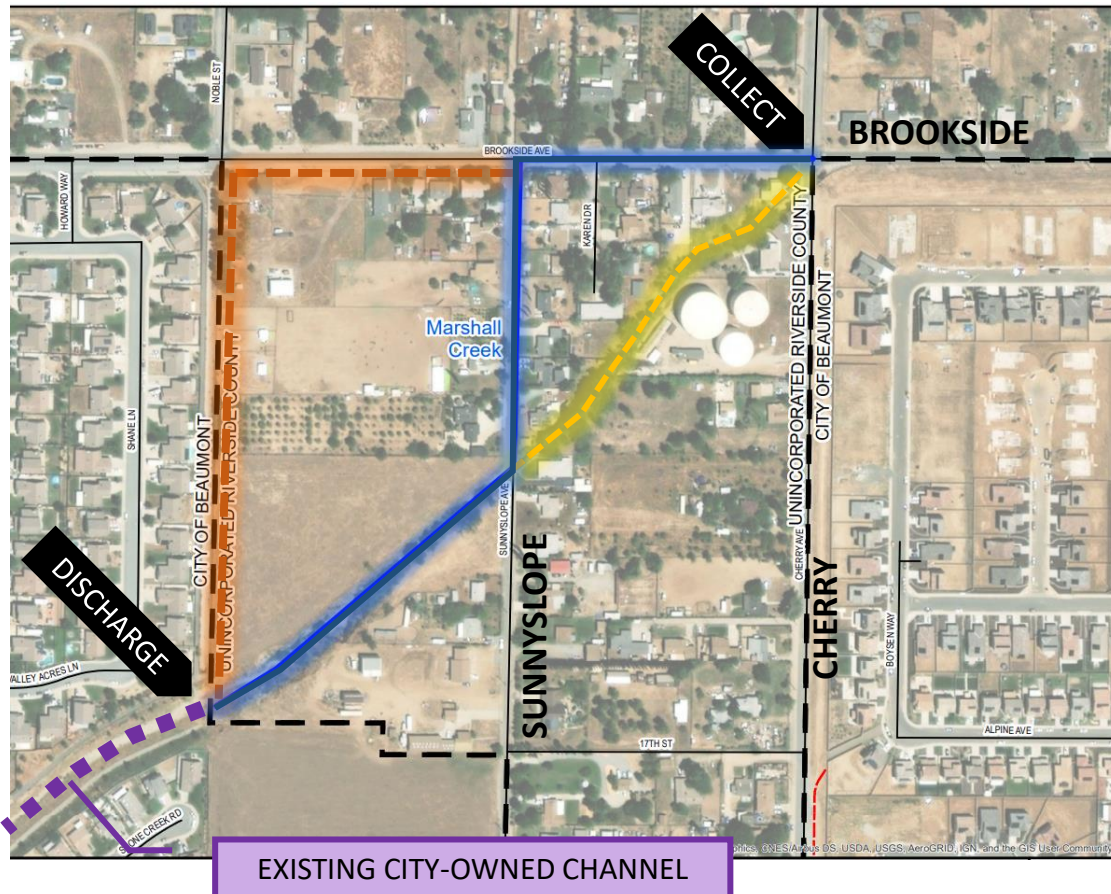


- Construction Costs
 - 25-30% increase
- Construction Delays
 - 3-8 month lead times

In Design



Marshall Creek Channel



- Alternatives Analysis Underway

ALTERNATIVE
ALIGNMENTS

- In Active Design now
- Current Estimates ~\$9.2M

District Projects

Under Construction

- Beaumont Line 16 + \$1M
- Noble Creek Emergency +\$3M

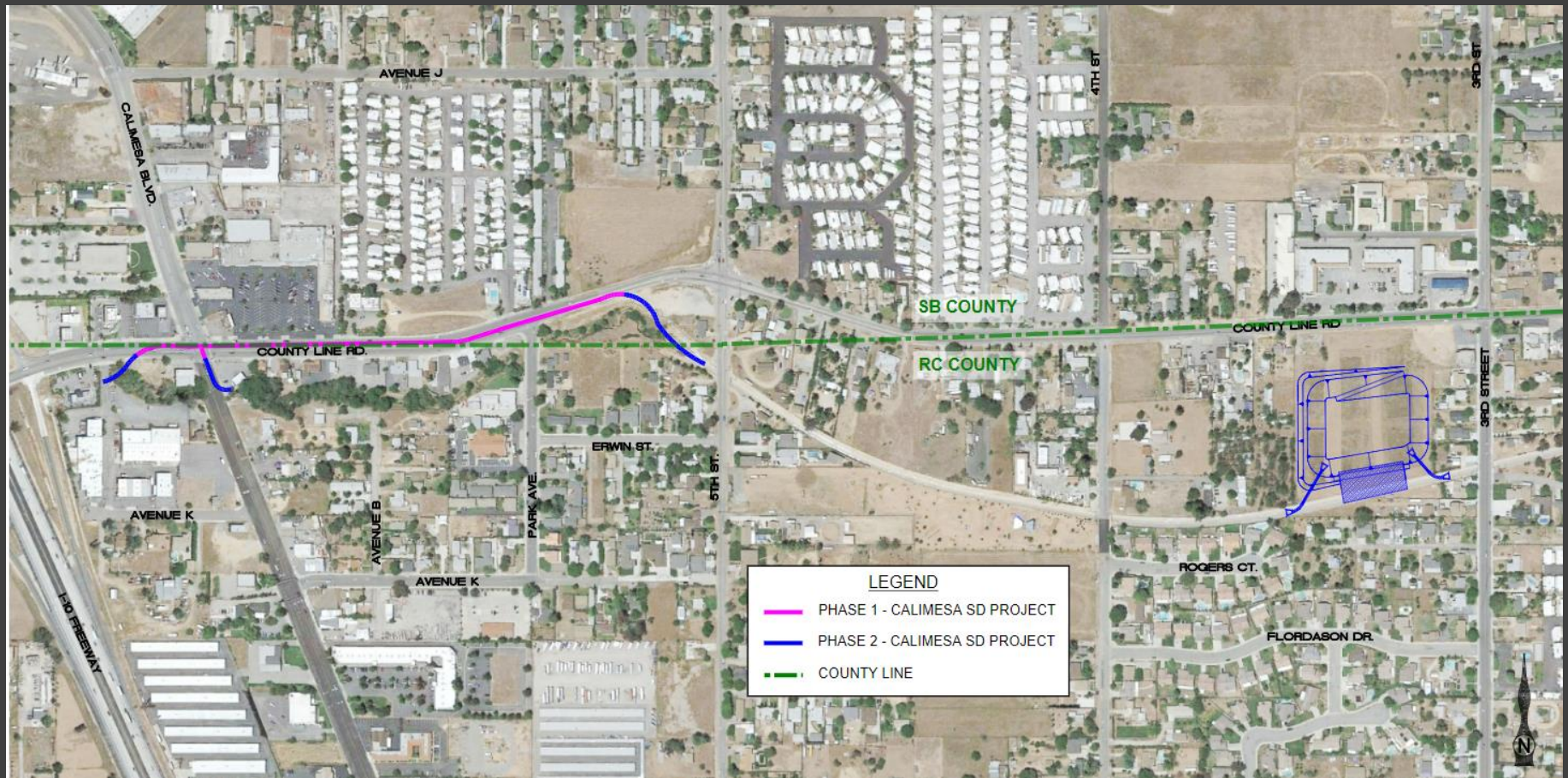
Active Design

- Marshall Ck Channel +\$1.5M

Future

- East Gilman Debris Basin +\$250k
- Beaumont Line 2 – Stage 2 & 2A
+\$750k

Total = + \$5.8M



Calimesa Channel Stage 3

Estimated ~\$9.8M

District Contribution \$7.2M

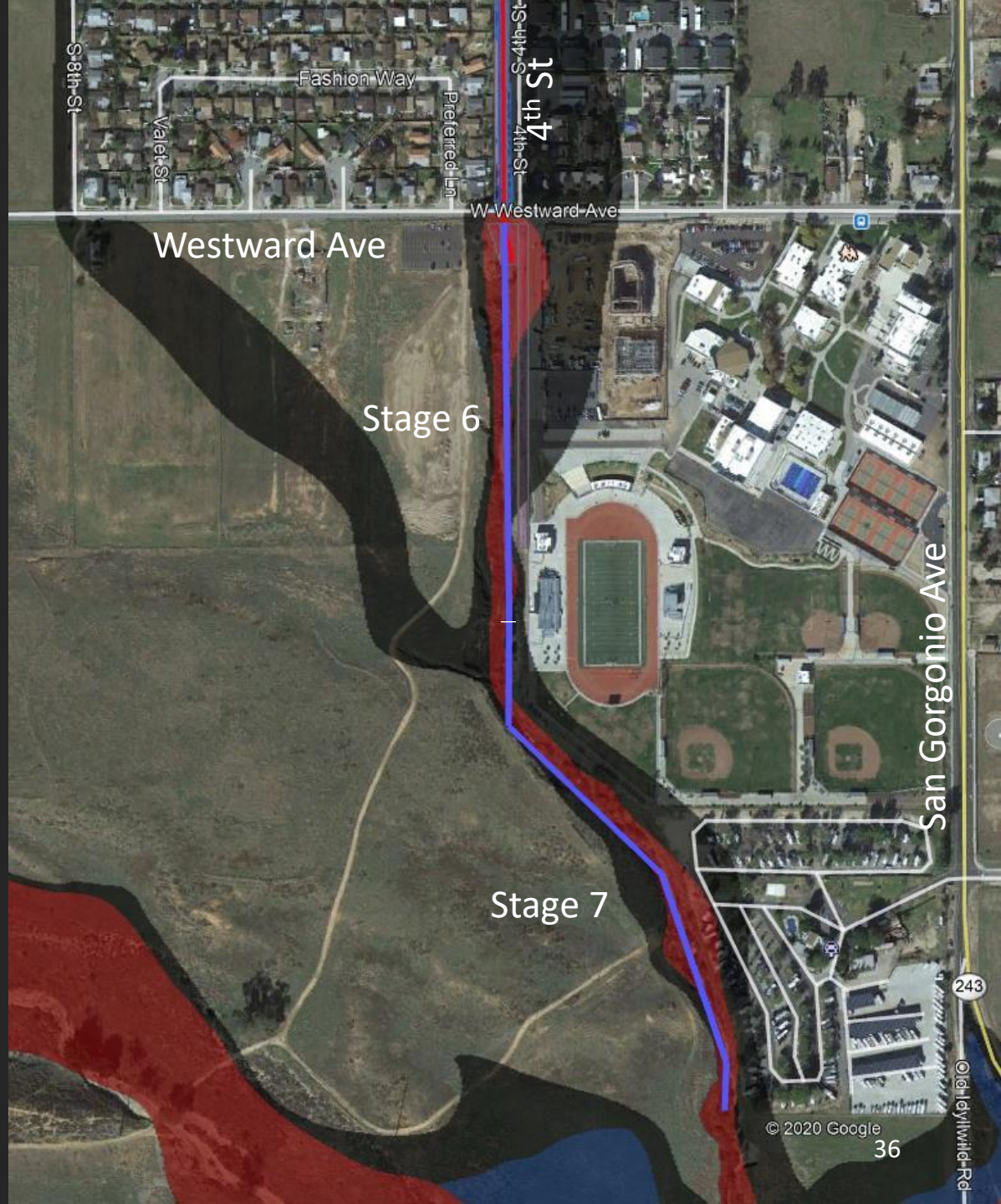
90% design plans

Construction will be phased

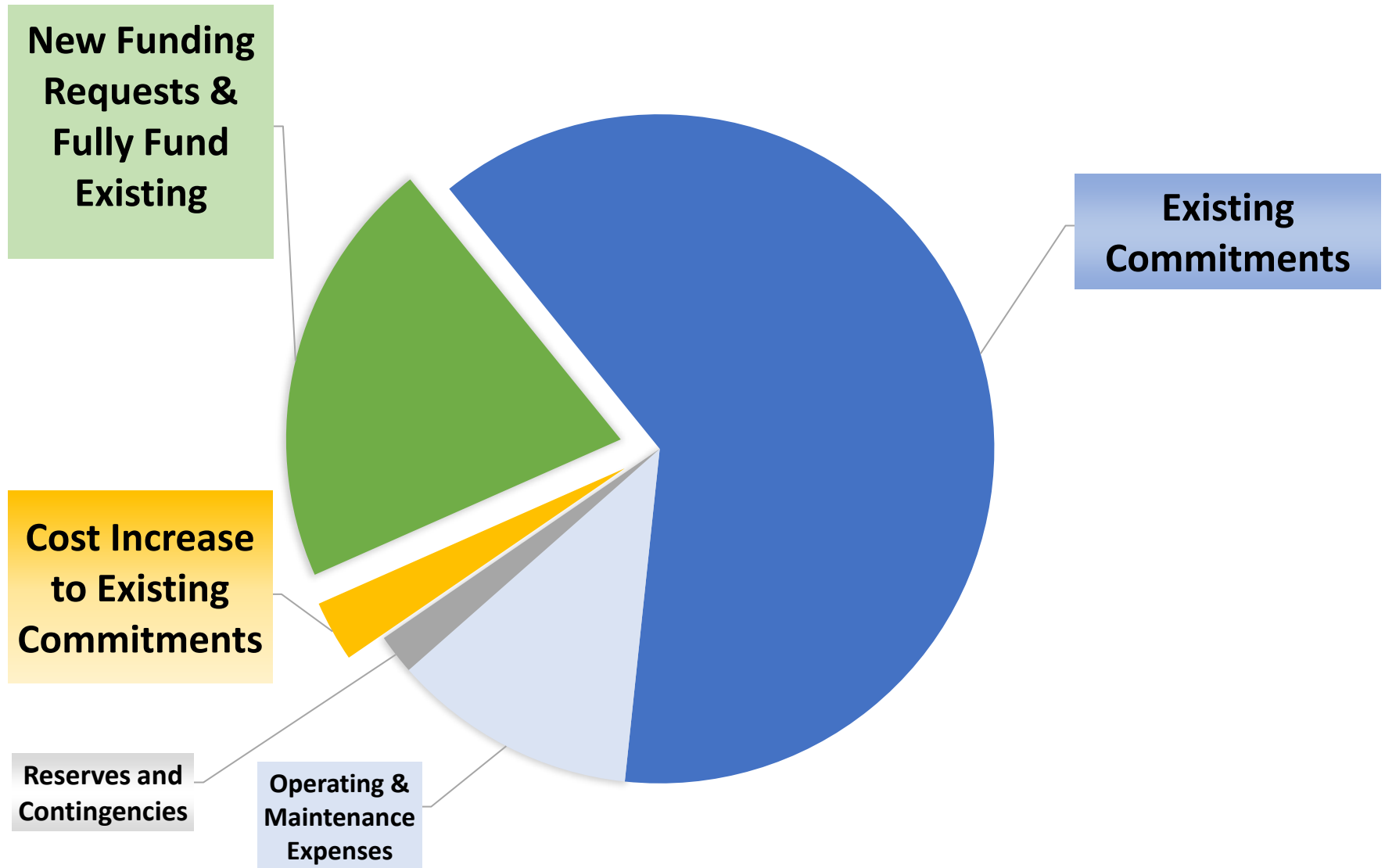


Beaumont Line 2

Gilman Home Channel Stg 6 and Stg 7



New CIP Development



Requests Received *(to date)*

City of Banning +\$4.6M

- ✓ West Pershing Channel System
(Line K, K-1, I, L and L-1)
Existing Funded Project \$2.5M
requested changes/additions **+\$3.8M**
- ✓ Banning Water Canyon Stormwater
Percolation Basin
(New Funding Request \$750K)

City of Calimesa +\$1M

- ✓ Calimesa Channel (Existing Project
+\$1M)



Public Input

