

# Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project City of Palmdale

Project Update October 2018  
No. 1400080



# Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project

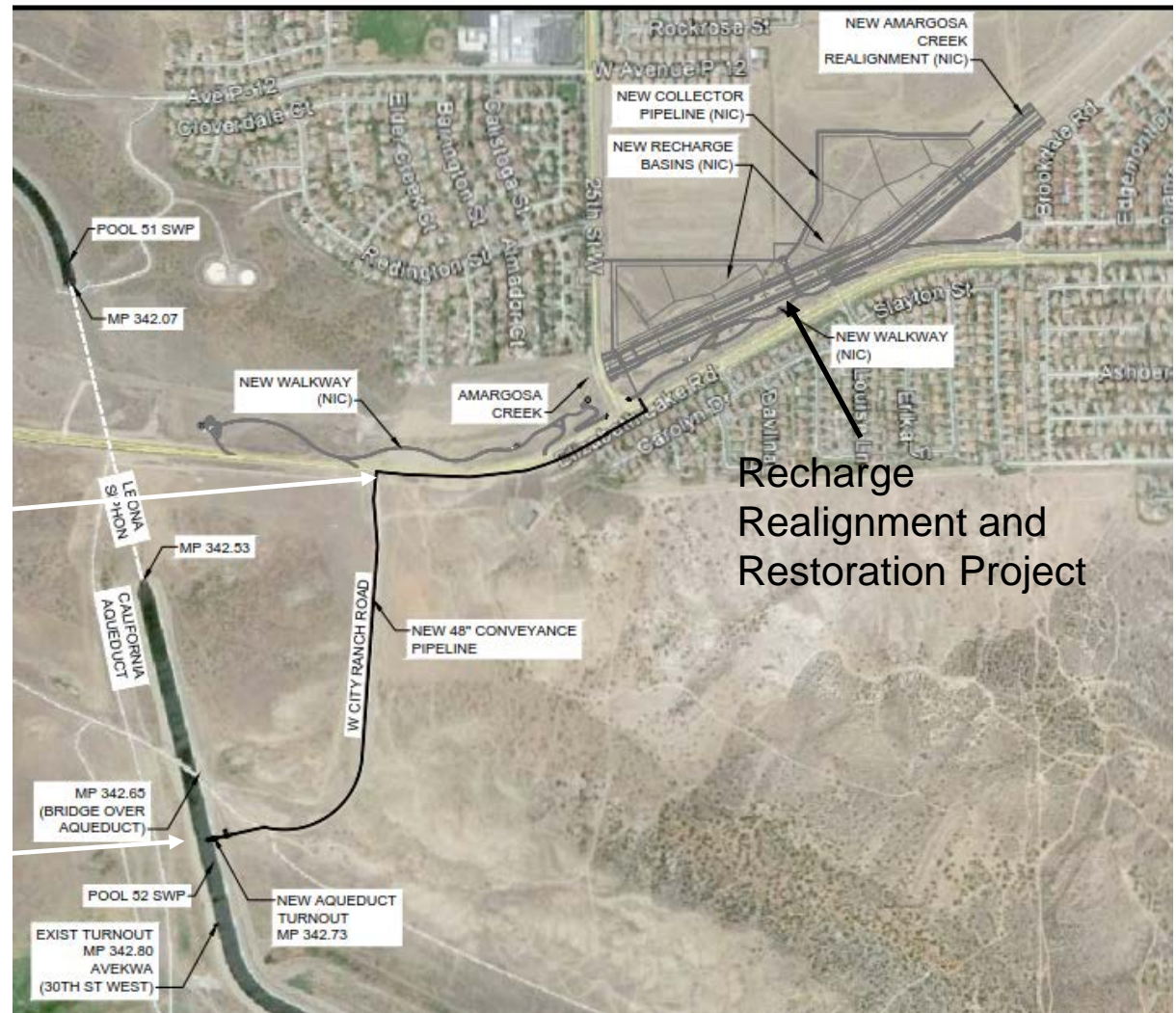
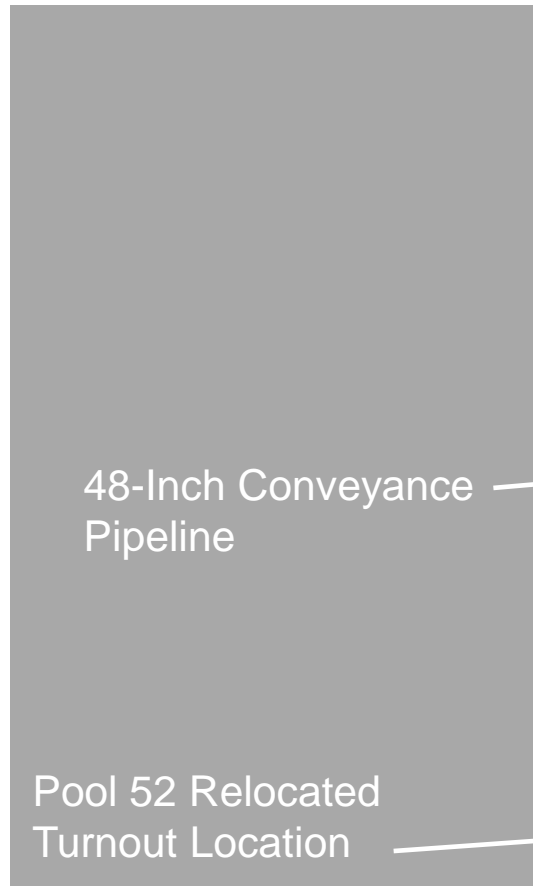
**Overview - Overall project has two construction elements:**

- **Project B – UAC Turnout and 48-Inch Conveyance Pipeline Project**
  - Structural Connection to the Aqueduct and
  - Pipeline to transfer water from the Aqueduct to the Recharge Basins
- **Project C – UAC Realignment, Recharge Basins and Restoration Project**
  - The recharge basins, creek realignment and restoration/park area.





# Project B – Aqueduct Turnout Structure and Pipeline



- Turnout located within Pool 52 per DWR

# Project B – Aqueduct Turnout and Pipeline

## Example of 48-Inch Conveyance Pipeline

- Alignment – beginning at the DWR Pool 52 of the Aqueduct traversing down City Ranch Road, then east on Elizabeth Lake Road to the Recharge Ponds.



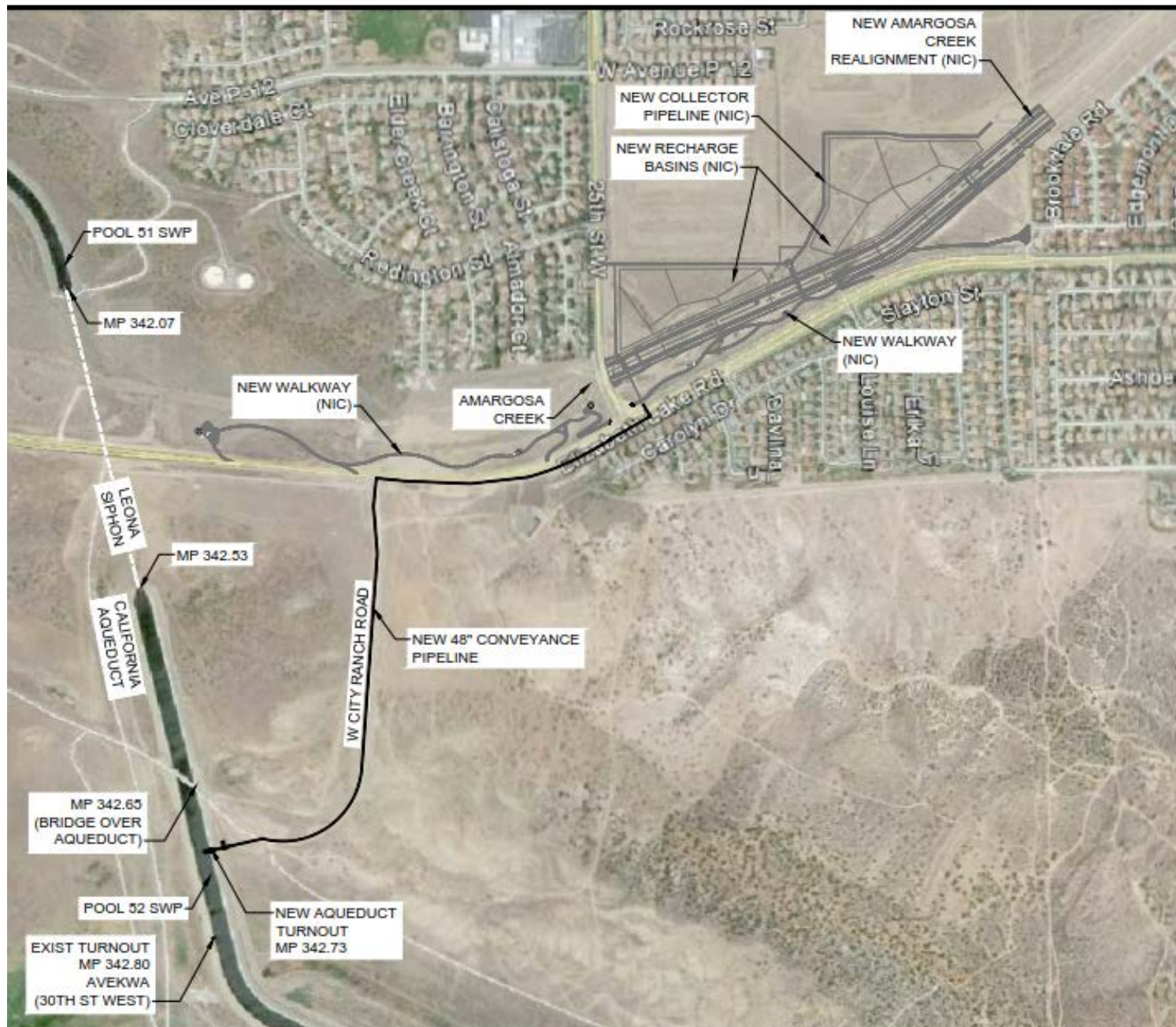


# Project C – Realignment, Recharge Basins and Restoration Project

The recharge basins, creek re-alignment and park area. Conceptual Simulation

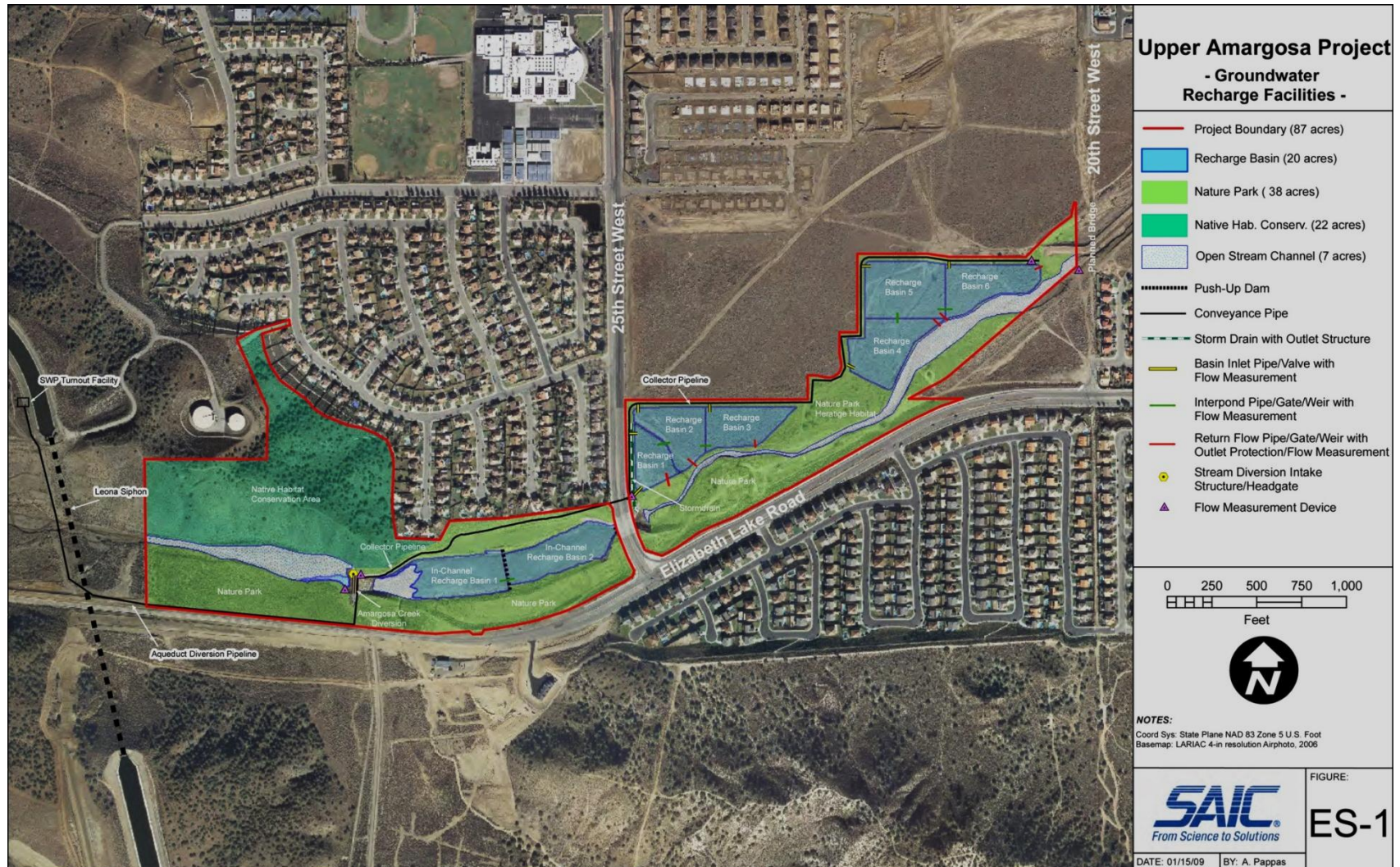








# Proposed Improvements w/Future Buildout



# Project Status October 2018

## Projects

- August 07 2018 – City Council awarded Upper Amargosa Creek Turnout and Pipeline Project (PN 591-B) to Nicholas Construction, Inc. for the amount of \$6,036,500. The following is an estimate of anticipated expenditures for this project No. 591-B:

| Description                    | Estimated Cost |
|--------------------------------|----------------|
| PN 591-B Construction Contract | \$6,036,500    |
| PN 591-B Contingency (15%)     | \$909,525      |
| Contract CM & Inspection       | \$372,667      |
| Labor Compliance               | 15,100         |
| Legal Advertising              | 2,853          |
| City Administration            | \$100,000      |
| Total                          | \$7,436,645    |

- On October 2, 2018, City Council will award the Upper Amargosa Creek Recharge, Realignment and Habitat Restoration Project (PN 591-C) in the amount of \$5,894,440, to Bowe Contractors, Inc.





# Project Status October, 2018

The following is an estimate of anticipated expenditures for this Project No. 591-C :

| <u>Description</u>  | <u>Estimated Cost</u> |
|---|-----------------------|
| <b>PN 591-B Total Construction Costs<br/>(awarded 8/2018)</b> | <b>\$7,436,645</b>    |
| <b>PN 591-C Construction Contract</b>                         | <b>\$5,894,440</b>    |
| <b>PN 591-C Contingency</b>                                   | <b>\$114,185</b>      |
| <b>PN 591-C Contract CM &amp; Inspection</b>                  | <b>\$954,840</b>      |
| <b>PN 591-C Labor Compliance</b>                              | <b>\$20,160</b>       |
| <b>PN 591-C Legal Advertising</b>                             | <b>\$2,853</b>        |
| <b>PN 591-C City Administration</b>                           | <b>\$25,000</b>       |

|                                 |                     |
|---------------------------------|---------------------|
| <b>Total Construction Costs</b> | <b>\$14,448,123</b> |
|---------------------------------|---------------------|



# Project Schedule 2018

- **Project B – UAC Aqueduct Turnout and 48-Inch Conveyance Pipeline Project**
- Pre-construction meeting was on September 25<sup>th</sup>, 2018.
- RFIs and cofferdam plans were submitted to AECOM (CM) and DWR and were approved.
- October 15, 2018 – Mobilization
- November 15, 2018, install the cofferdam; Start construction.





# Project Schedule 2018

## **Project C – UAC Realignment, Recharge Basins and Restoration Project**

- October 2<sup>nd</sup>, 2018- Award by City Council.
- \*Possible pre-Construction meeting week of October 15<sup>th</sup>.
- \*Bowe submittals to PSOMAS (CM).
- \*Compliance with EIR.

\* These dates are tentative.



# Project Schedule 2018

- Critical Dates for Project B – Turnout and pipeline
  - 78 calendar days (50 working days) allotted for “aqueduct turnout construction” within the canal from November 15, 2018 to January 31, 2019.
- Critical Dates for Project C – Recharge, Flood Control
  - November 1, 2018 to March 1 2019. CDFW considers this period the Wet Season. In accordance with permit requirements, construction can proceed in creek areas when no surface water is present.





# Project Costs

- Estimated Total Cost of the project is \$17,000,000. Contributions are;
- \$6,500,000 from Prop 1E
- \$5,000,000 from AVEK, L.A. County Waterworks, and PWD
- City of Palmdale has contributed approximately \$3,898,000 to date



## Project Costs (cont.)

- AVEK has contributed \$276,938 to date.
- PWD has contributed \$138,469 to date.
- Waterworks has contributed \$138,469 to date.
- City of Palmdale has contributed \$898,000 for design and approx. \$3,000,000 towards environmental, wages, 5 monitoring wells, property acquisitions, studies, etc.





## Project Costs (cont.)

- Current construction cost estimate is \$12,954,650\*
- Total Project Cost Estimate \$17,000,000
- 72% of costs is for recharge facilities
- 16% of costs is for flood control
- 12% of costs is for habitat restoration

\*Bids from Nicholas and Bowe with contingencies.

