

**Clark County
Regional Flood Control District**

Citizens Advisory Committee

November 1, 2021



Item # 12a

- Blue Diamond Wash, Arville Street to I-15 – Clark County
(For possible action)
 - a. Action to accept the project presentation



Blue Diamond Wash Arville Street to I-15

For
Clark County Department of Public Works



By
Westwood Professional Services

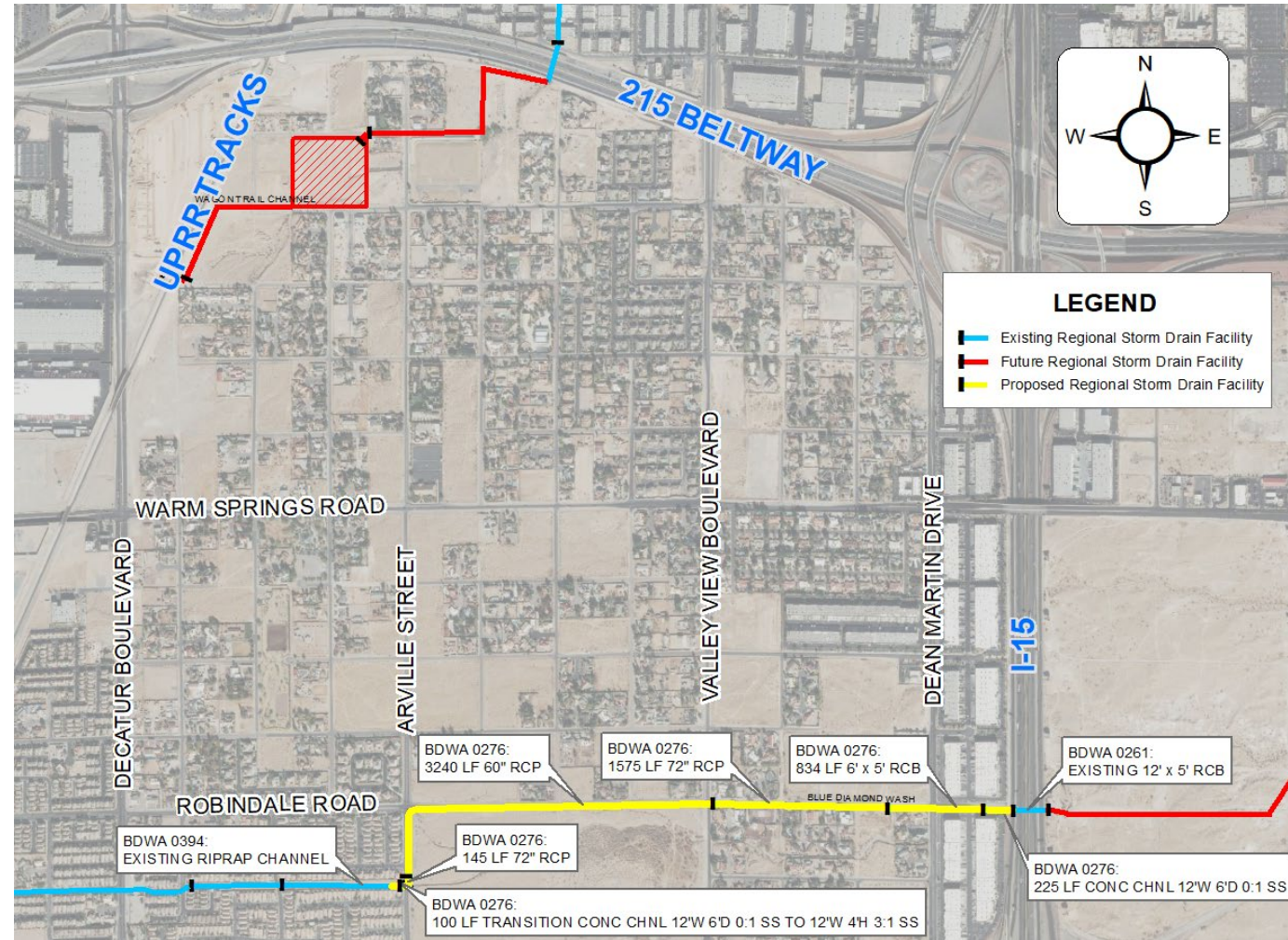
Funded by
Clark County Regional Flood Control District



Project Vicinity



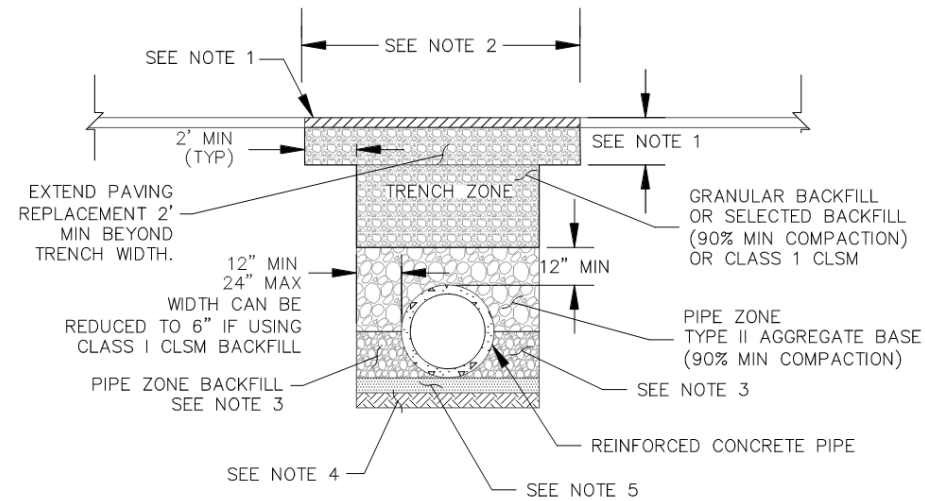
Project Vicinity



Project Components

- 3,240-LF 60" RCP
- 1,696-LF 72" RCP
- 844-LF 6' x 5' RCB
- 302-LF 12' x 6' CONCRETE CHANNEL
- ASSOCIATED DRAINAGE APPURTENANCES

RCP Section

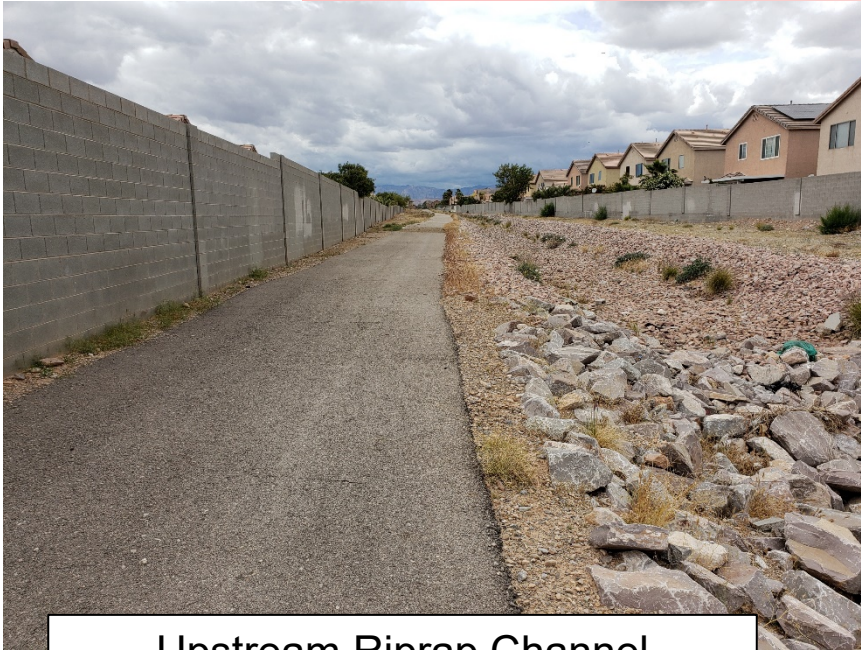


REINFORCED CONCRETE PIPE TRENCH SECTION (PAVED AREAS)

TRENCH SECTION NOTES:

- 1) SEE DETAIL B ON SHEET DD-1.01 FOR PAVING SECTION
- 2) SAWCUT TO THE EDGE OF THE LANE OR TO THE CENTER OF THE LANE. CLEAN SAWCUT AREAS AND APPLY TACK COAT PRIOR TO PLACEMENT OF NEW PAVEMENT.
- 3) TYPE II AGGREGATE BASE COMPACTED TO 90% DENSITY OR OPTIONAL CLASS 1 CLSM FROM BOTTOM TO SPRINGLINE OF RCP.
- 4) SUITABLE NATIVE MATERIAL SCARIFIED 6" AND RECOMPACTED TO 90% DRY DENSITY.
- 5) SEE USDCCA DRAWING No. 505 FOR PIPE BEDDING DETAILS.

Existing Facilities



Upstream Riprap Channel



Downstream Earthen/
Grouted Riprap Channel

Project Cost

Description	Design	Construction
Right-of-Way	\$35,000	-
Environmental	\$27,700	-
Design Engineering	\$537,300	-
Entity Design Labor	\$30,000	-
CLOMR / LOMR	\$20,000	-
Construction	-	\$6,000,000
Construction Management	-	\$600,000
Entity Labor Cost	-	\$50,000
Subtotal	\$650,000	\$6,650,000
TOTAL	\$7,300,000	

Funding Eligibility Requirements

- Design documents are 90 percent complete
- All necessary right-of-way has been obtained
- All necessary local, state, and federal permits including environmental and NDOT Permit have been satisfied

Construction Schedule

Award of Bid	February 2022
Construction Start Date	May 2022
Project Duration	12 Months
Construction Completion Date	May 2023



Westwood



Questions?