

**Clark County
Regional Flood Control District**

Citizens Advisory Committee

May 27, 2021



Item # 21

- Fairgrounds Detention Basin and Outfall – Clark County
(For possible action)
 - a. Action to accept the project presentation



Fairgrounds Detention Basin and Outfall

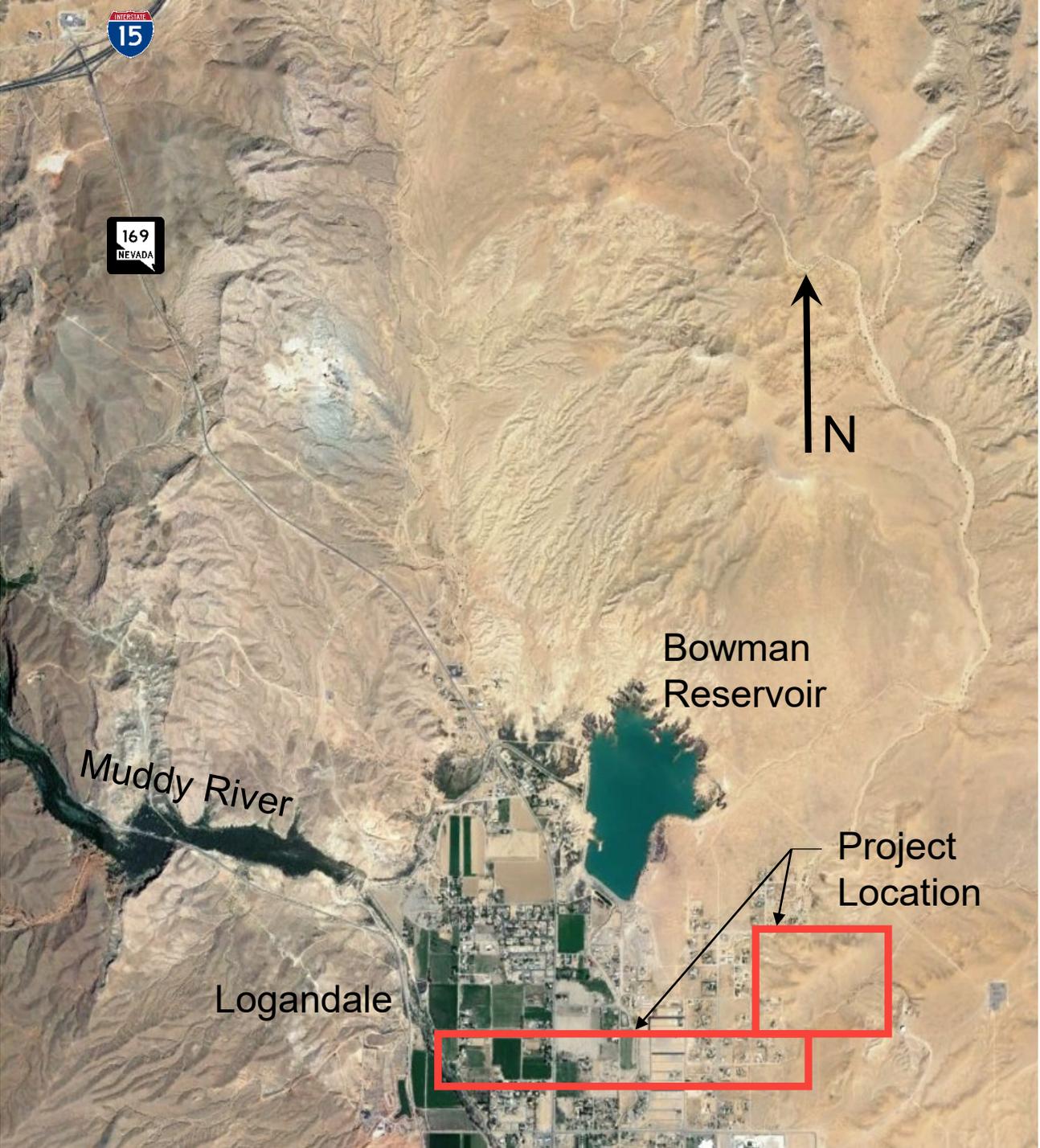
For
Clark County Public Works



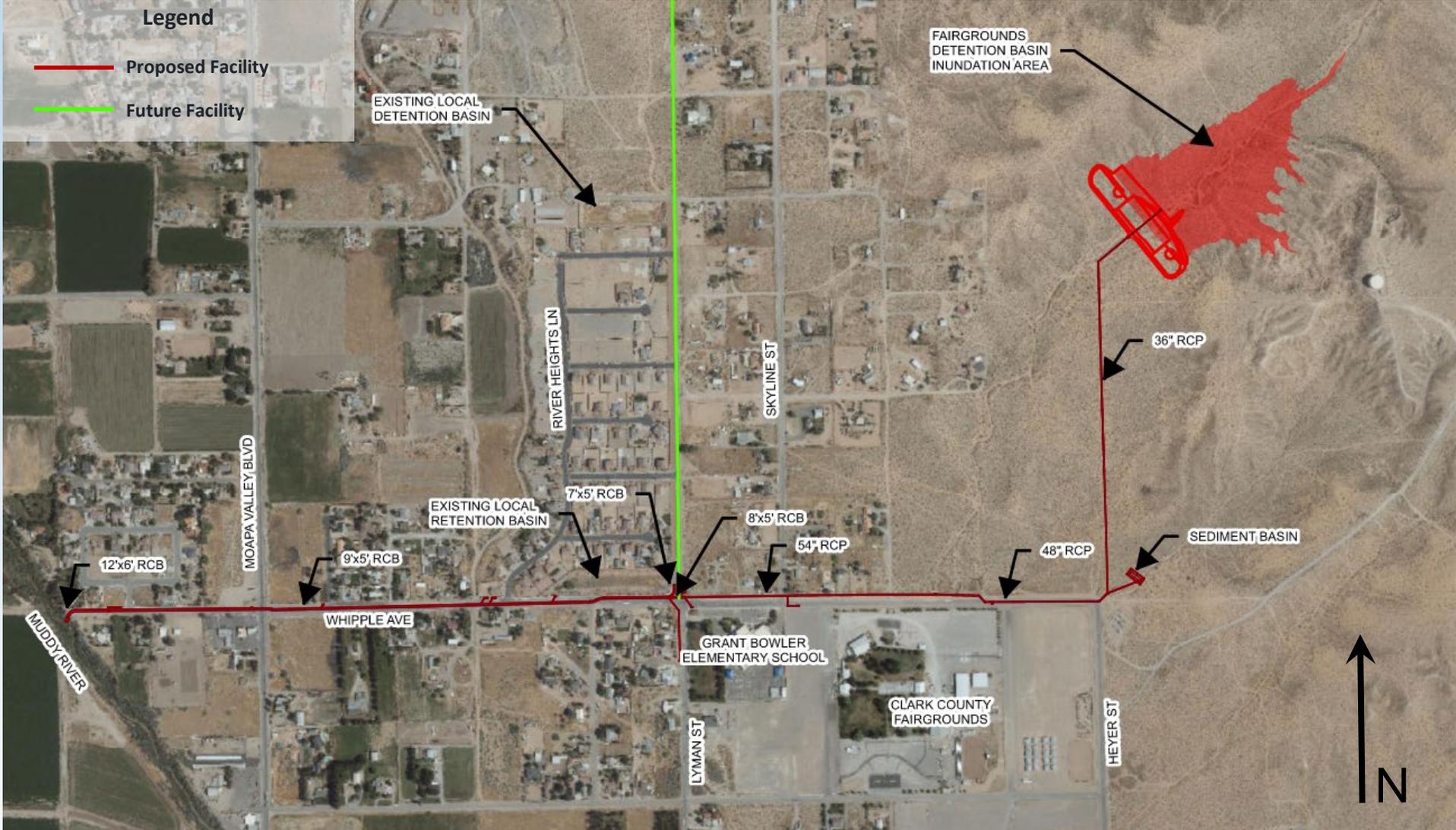
By
WSP



Project Vicinity

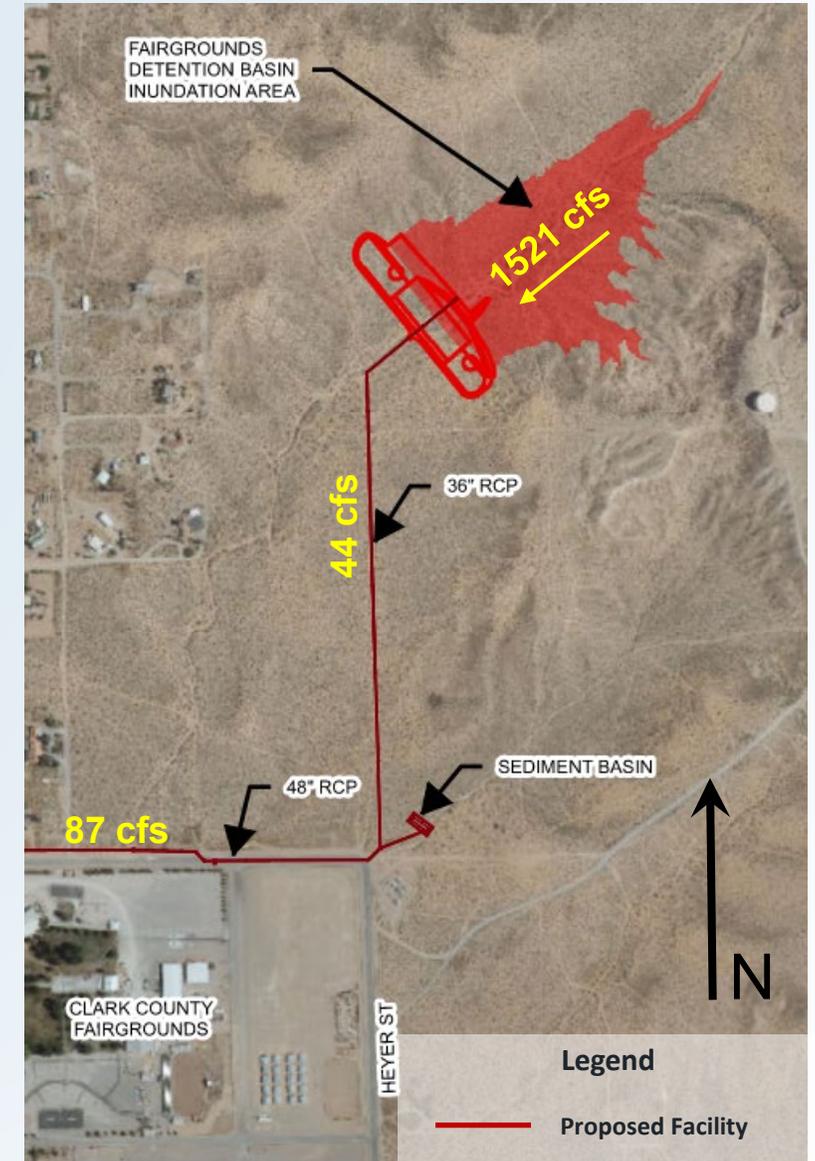


Fairgrounds Detention Basin and Outfall

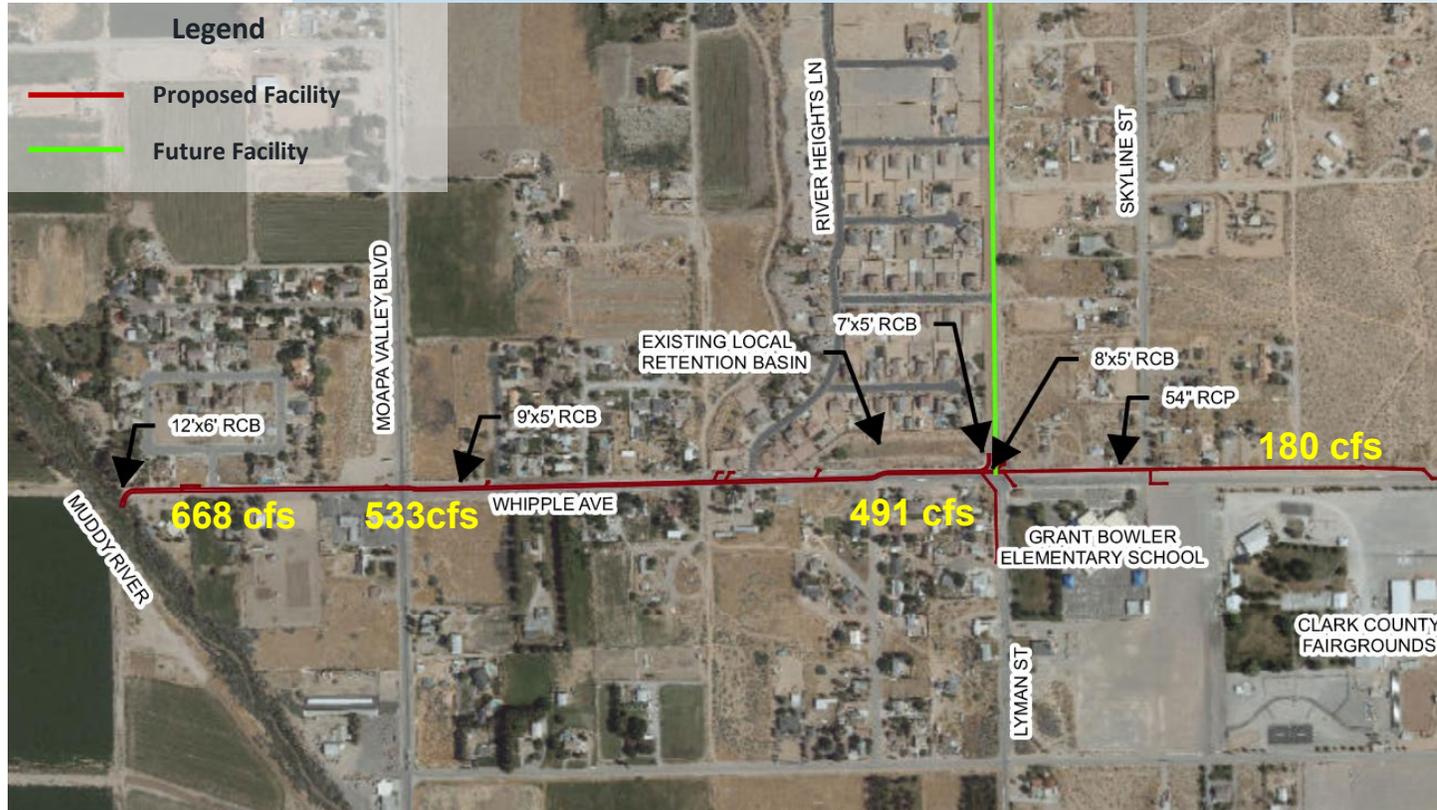


Fairgrounds Detention Basin and Outfall

- 135-acre feet Detention Basin with ogee crest spillway
- Outfall continues southwest then turns south for 798 feet, on BLM property
- 36" RCP continues south within Overton Power District ROW for 1890 feet
- Sediment Basin capacity 0.05 acre feet (80 cy) east of Heyer St. and connects to outfall



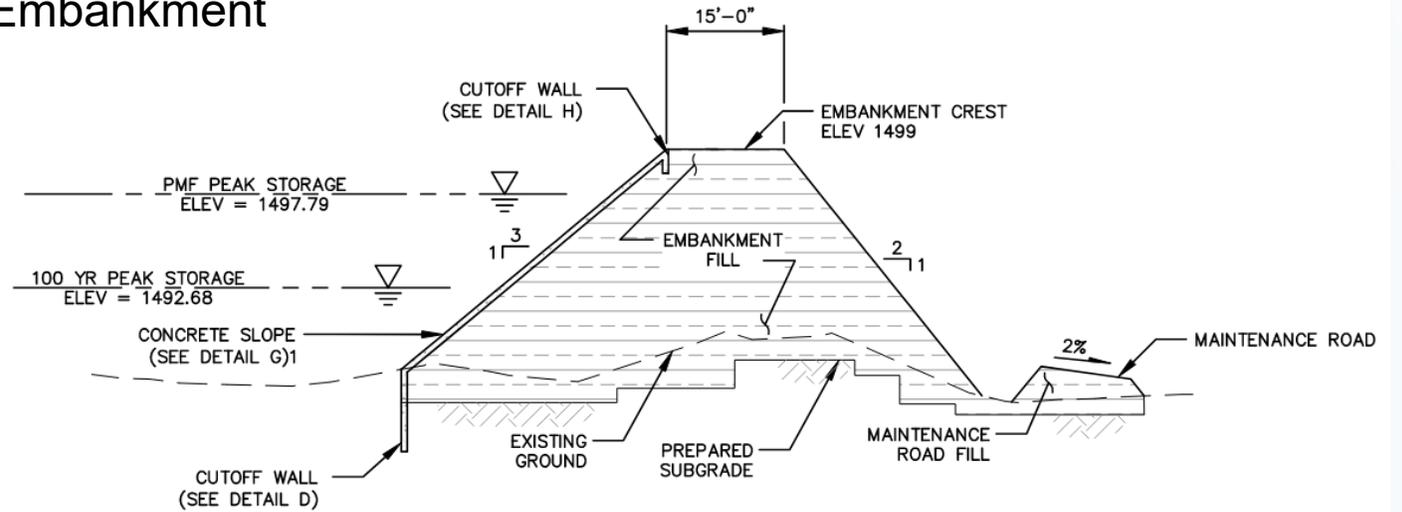
Fairgrounds Detention Basin and Outfall



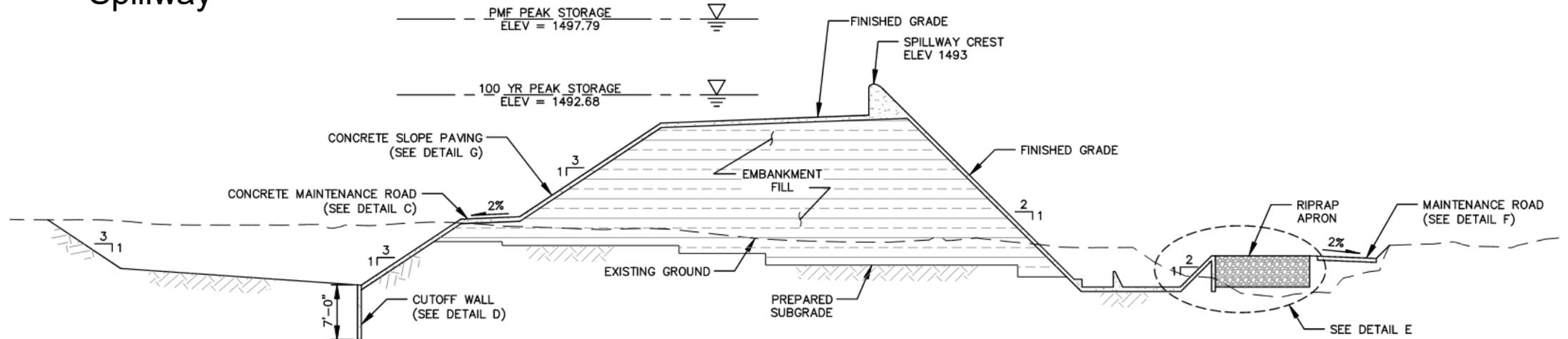
- From Heyer St. to Lyman St., 2,785 feet, outfall consists of 48" and 54" RCP and 8' x 5' RCB.
- Then increases to a 9' x 5' RCB and continues west 2,810 feet to Moapa Valley Boulevard.
- Increases to a 12'x6' RCB and extends 1,235 feet west in Whipple Ave.
- Outlets into an energy dissipator at the Muddy River

Typical Detention Basin Sections

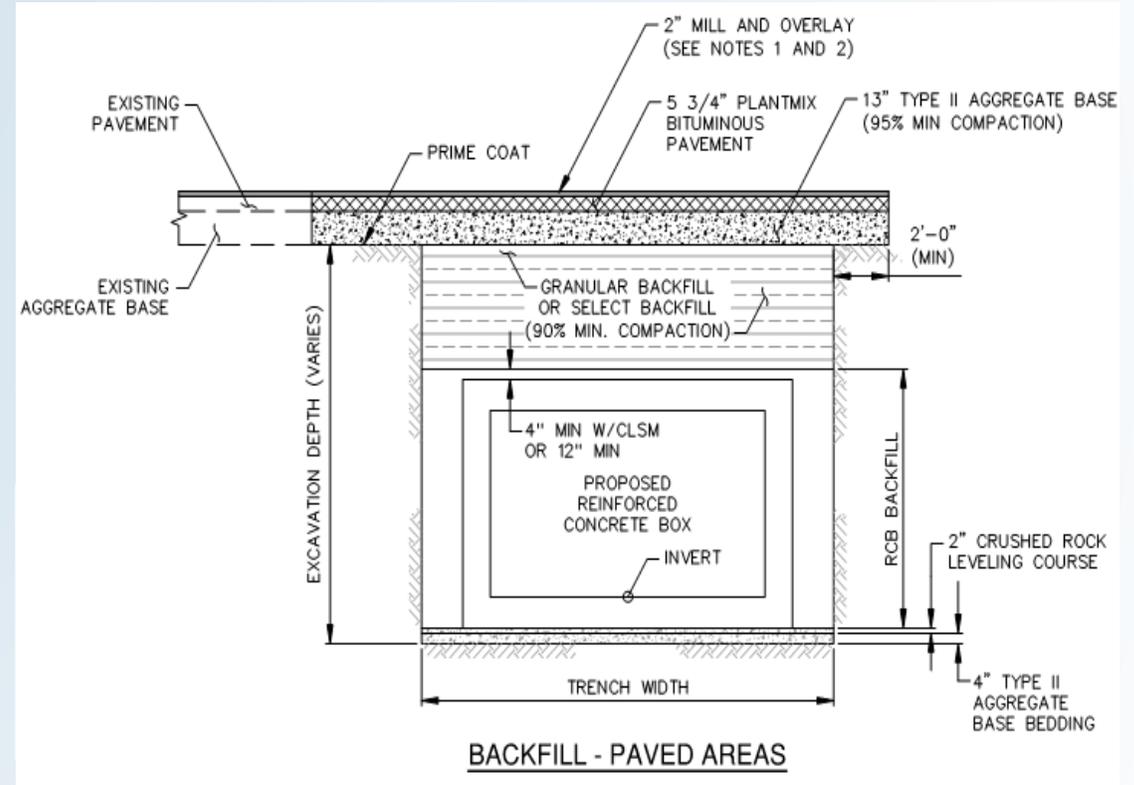
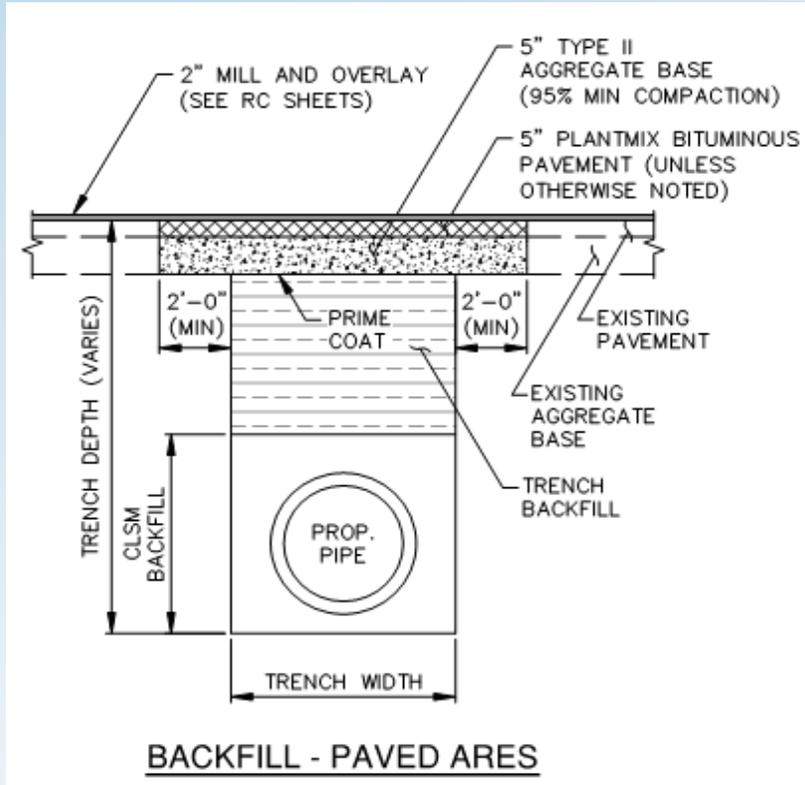
Embankment



Spillway



Typical Pipe or Box Section



Project Coordination

- Clark County Public Works
- Clark County Regional Flood Control District
- Bureau of Land Management
- Moapa Valley Water District
- Muddy River Irrigation Company
- Overton Power District



Project Cost

Fairgrounds Detention Basin and Outfall	
Design	\$727,000
Entity Design Labor Cost	\$60,000
Right-of-Way	\$95,000
Environmental	\$172,500
Emergency Action Plan	\$17,000
Construction	\$12,315,000
Construction Management	\$1,231,500
Entity Construction Management Labor	\$250,000
TOTAL	\$14,868,00

Funding Eligibility Requirements

- Design Documents are 90 percent complete.
- Environmental requirements have been satisfied.
- Required Permits have been acquired.
- All Rights-of-Entry have been obtained.

Construction Schedule

Award of Bid:	September 2021
Construction Start:	November 2021
Project Duration:	15 months
Construction Complete:	January 2023

Questions?

wsp.com

wsp