

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

6/25/2025

Jesus Lopez, P.E.  
Smith Engineering Company  
2201 San Pedro Dr NE  
Albuquerque, NM 87110

**RE: Isleta Amphitheater Additional Parking**  
**5601 University Blvd. SE**  
**Drainage Plan**  
**Engineer's Stamp Date: 7/23/2025**  
**Hydrology File: R15D002C**  
**Case # HYDR-2025-00222**

Dear Mr. Lopez:

Based upon the information provided in your submittal received 7/23/2025, the Drainage Plan is approved for Grading and Building Permit.

PO Box 1293

Albuquerque

NM 87103

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, [jhughes@cabq.gov](mailto:jhughes@cabq.gov), 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3695 or [tchen@cabq.gov](mailto:tchen@cabq.gov).

Sincerely,

[www.cabq.gov](http://www.cabq.gov)

Tiequan Chen, P.E.  
Principal Engineer, Hydrology  
Planning Department, Development Review Services

THE ISLETA AMPHITHEATER ADDITIONAL PARKING LOT PROJECT WILL INCREASE THE PARKING COUNT BY A TOTAL OF 2,500 SPACES AT FULL BUILD OUT IN SUPPORT OF EVENTS HELD AT THE ISLETA AMPHITHEATER. THE PROPOSED DEVELOPMENT IS AN APPROXIMATELY 10-AC PARKING LOT AND ASSOCIATED ACCESS ROADS ALONG WITH A PEDESTRIAN TRAIL FROM THE PARKING LOT TO THE AMPHITHEATER ENTRANCE. FEMA FLOODWAY MAP DATED SEPTEMBER 26, 2008 INDICATES THE SITE IS LOCATED WITHIN FEMA FLOOD ZONE X, AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

BECAUSE THE SITE IS SITUATED ON THE CLOSED LANDFILL, INFILTRATION INTO THE LANDFILL IS NOT RECOMMENDED. THEREFORE, STORMWATER RETENTION AND WATER QUALITY VOLUMES ARE NOT RECOMMENDED FOR THIS DEVELOPMENT.

THE CITY OF ALBUQUERQUE DPM CHAPTER 6 WAS USED TO PERFORM HYDROLOGIC CALCULATIONS FOR THE SITE. THE SITE IS SITUATED WITHIN ZONE 2 OF THE DPM'S PRECIPITATION ZONES. THE PEAK FLOW RATES WERE DEVELOPED FOR THE 100-YEAR DESIGN STORM USING TABLE 6.2.14 AND EQUATION 6.6. AS THESE BASINS ARE RELATIVELY SMALL, CONVEYANCE ROUTING WAS NOT CONDUCTED AND THE TOTAL FLOW RATE IS THE SIMPLE SUMMATION OF THE BASINS. THE 100-YEAR 6-HOUR VOLUME WAS CALCULATED USING TABLE 6.2.13 AND EQUATIONS 6.1 AND 6.2. RETENTION PONDS ARE NOT RECOMMENDED FOR THIS DEVELOPMENT, THEREFORE THE 100-YEAR 6-HOUR VOLUMES ARE USED FOR COMPARISON.

THE PROJECT AREA IS MOSTLY BARREN LAND WITH SPARSE BRUSH VEGETATION AND SANDY SOILS. THE LANDFILL AREA HAS MINIMAL VEGETATIVE COVER AND IS HIGHLY DISTURBED BY VEHICULAR TRAFFIC. IN GENERAL, THE SITE SLOPES FROM SOUTHEAST TO NORTHWEST INTO A TRIBUTARY CHANNEL TO THE TIJERAS ARROYO, APPROXIMATELY ONE MILE DOWNSTREAM OF THE PROJECT. THE SLOPES VARY FROM FLAT AREAS (0% TO 4%) TO EMBANKMENT SIDE SLOPES (33% TO 50%).

BASIN OFF EX4 IS A PORTION OF THE MDS NORTH-SOUTH ROAD WHICH DRAINS INTO THE PROJECT SITE.

BASIN OFF PR4 REMAINS UNCHANGED AND SURFACE FLOWS INTO BASINS PR2 AND PR3.

HYDROLOGY BASIN CALCULATIONS							
BASIN ID	AREA (AC)	LAND TREATMENT %				Q (100-YR) (CFS)	V (100YR-6HR) (AC-FT)
		A	B	C	D		
EXISTING							
EX1	50.1	50%	20%	28%	2%	113.6	3.4
EX2	5.5	20%	39%	39%	2%	14.0	0.4
OFFEX1	2.0	0%	1%	81%	18%	6.6	0.2
OFFEX2	3.0	0%	21%	47%	32%	10.0	0.3
OFFEX3	2.3	0%	10%	60%	30%	7.7	0.3
OFFEX4	1.7	0%	0%	63%	37%	6.0	0.2
TOTAL EX	64.6					157.8	4.8
PROPOSED							
PR1	39.9	50%	18%	30%	2%	91.0	2.7
PR2	5.5	20%	38%	38%	4%	14.1	0.4
PR3	10.2	30%	34%	34%	2%	24.9	0.7
OFFPR1	2.0	0%	1%	81%	18%	6.6	0.2
OFFPR2	3.0	0%	21%	47%	32%	10.0	0.3
OFFPR3	2.3	0%	10%	60%	30%	7.7	0.3
OFFPR4	1.7	0%	0%	63%	37%	6.0	0.2
TOTAL PR	64.6					160.3	4.9

BASINS COMPARISON						
BASIN ID	CALCULATED FLOW		CAPTURED W/ MDS PROJECT		TOTAL FLOW AT DISCHARGE POINT	
EXISTING	Q	V	Q	V	Q	V
EX1	113.6	3.4			113.6	3.4
EX2	14.0	0.4			14.0	0.4
OFFEX1	6.6	0.2			6.6	0.2
OFFEX2	10.0	0.3			10.0	0.3
OFFEX3	7.7	0.3			7.7	0.3
OFFEX4	6.0	0.2			6.0	0.2
TOTAL EX	157.8	4.8	0.0	0.0	157.8	4.8
PROPOSED	Q	V	Q	V	Q	V
PR1	91.0	2.7			91.0	2.7
PR2	14.1	0.4			14.1	0.4
PR3	24.9	0.7			24.9	0.7
OFFPR1	6.6	0.2	6.6	0.2	0.0	0.0
OFFPR2	10.0	0.3	10.0	0.3	0.0	0.0
OFFPR3	7.7	0.3	7.7	0.3	0.0	0.0
OFFPR4	6.0	0.2			6.0	0.2
TOTAL PR	160.3	4.9	24.3	0.8	136.1	4.1

**City of Albuquerque  
Planning Department  
Development Review Services**

**HYDROLOGY SECTION**

**APPROVED**

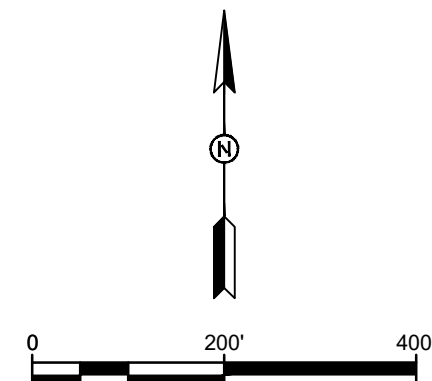
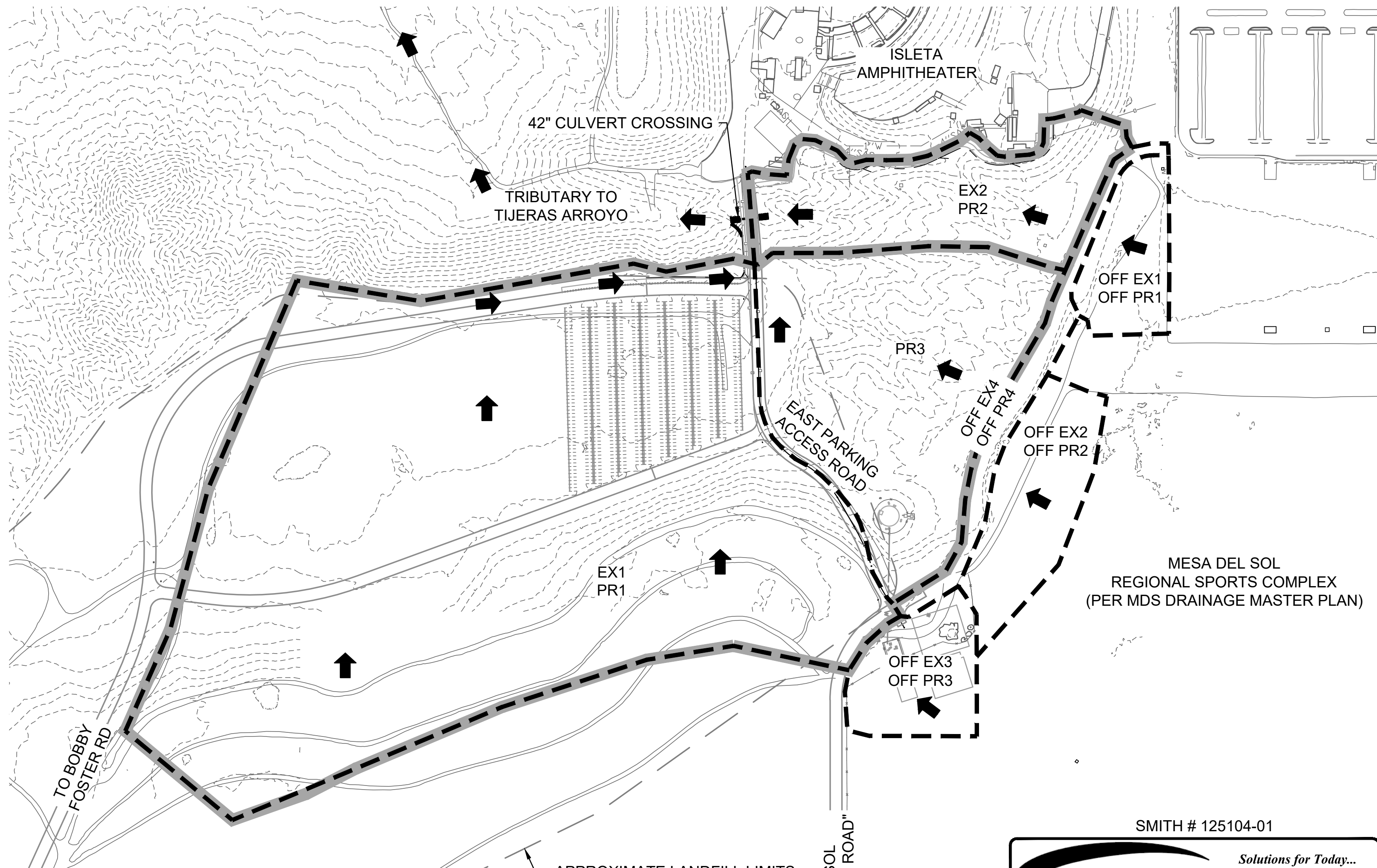
DATE: 7/28/2025

BY: Heena Cho

Hydro Trans # R15D002C

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUESTING CORRECTIONS FOR ERRORS OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. APPROVED PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

THE APPROVAL OF THESE PLANS/REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO SUBSEQUENT DEVELOPMENT IS PULLED ON THE DEVELOPMENT.





SMITH # 125104-01



*Solutions for Today...  
Vision for Tomorrow*

2201 San Pedro Dr NE  
Building 4, Suite 200  
Albuquerque, NM 87110  
Phone: 505-884-0700  
[www.smithengineering.pro](http://www.smithengineering.pro)

		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES	
TITLE: ISLETA AMPHITHEATER ADDITIONAL DRAINAGE PLAN			
Design Review		County Engineer Approval	
		Last Design Update	
COUNTY PROJECT NO. PWDN2025-0078		Zone Map No. R-15	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		CAPPED REBAR "CFA 22"		CONTRACTOR	
		NO.	BY	DATE	N 1,454,790.92 E 1,527,639.10		WORK RECORDED BY
					Z 5315.22		INSPECTION ACCEPTANCE BY
							FIELD APPLICATION BY
							DRAWINGS CORRECTED BY
						MICRO-FILM INFORMATION	
						RECORDED BY	
						NO.	

07/23/2025

		REVISIONS	
		DESIGNED BY - JL	DATE - 06/10/25
		DRAWN BY - OA	DATE - 07/23/25
		CHECKED BY - JL	DATE - 07/23/25

AL PARKING

Mo./Day/Yr.	

Sheet

**DRPLN**

CITY HYD FILE:  
R15D0020

COUNTY PROJECT NO.  
PWDN2025-0078

Zone Map No.  
R-15

Sheet  
DRPLN