

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

May 5, 2025

Bryan Bobrick, P.E.  
Isaacson & Arfman, Inc.  
128 Monroe St. N.E  
Albuquerque, NM 87108

**RE: Mt. Calvary Cemetery – New Burial Area**  
**1900 Edith Blvd. NE**  
**Grading and Drainage Plans**  
**Engineer's Stamp Date: 04/29/2025**  
**Hydrology File: H15D051**

Dear Mr. Bobrick:

Based upon the information provided in your submittal received 05/01/2025, the Grading & Drainage Plan is approved for Grading Permit and Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PO Box 1293

**PRIOR TO CERTIFICATE OF OCCUPANCY:**

Albuquerque

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

NM 87103

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

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), 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3314 or [amontoya@cabq.gov](mailto:amontoya@cabq.gov).

Sincerely,

Anthony Montoya, Jr., P.E.  
Senior Engineer, Hydrology  
Planning Department, Development Review Services



CALCULATIONS: Mt. Cavalry Cemetery : 4/28/2025

Based on Drainage Design Criteria for City of Albuquerque

Article 6-2 Hydrology dated June 26, 2020

100-YEAR, 6-HOUR STORM

AREA OF SITE: 61855 SF = 1.42 ACRE

HISTORIC FLOWS:

	SF	%
Area A	0	0%
Area B	0	0%
Area C	61855	100%
Area D	0	0%
Total	61855	100%

DEVELOPED FLOWS:

	SF	%
Area A	0	0%
Area B	29690	48%
Area C	0	0%
Area D	32165	52%
Total	61855	100%

EXCESS PRECIP:

	Precip. Zone	2
Area A	Ea	= 0.62
Area B	Eb	= 0.80
Area C	Ec	= 1.03
Area D	Ed	= 2.33

On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm)

Weighted E =  $\frac{EaAa + EbAb + EcAc + EdAd}{Aa + Ab + Ac + Ad}$

Hist. E = 1.03 m. Dev. E = 1.60 m.

On-Site Volume of Runoff: V360 =  $E^3A / 12$

Hist. V360 = 5309 CF Dev. V360 = 8225 CF

On-Site Peak Discharge Rate:  $Qp = QpAa + QpAb + QpAc + QpAd / 43.56$

For Precipitation Zo 2

QpA	= 1.71	QpC	= 3.05
QpB	= 2.36	QpD	= 4.34

Hist. Qp = 4.3 CFS Dev. Qp = 4.8 CFS

STORMWATER PONDING IS NOT PROVIDED FOR THIS DEVELOPMENT DUE TO LIMITED SPACE NEEDED FOR EXISTING, PROPOSED, AND FUTURE BURIAL SITES. THE MAJORITY OF THE PROPERTY (480%) IS GRASS / UNPAVED. STORMWATER QUALITY PAYMENT IN LIEU THAT WOULD BE OTHERWISE OWED IS WAIVED FOR NEW DEVELOPMENT OR REDEVELOPMENT WITHIN CITY LIMITS AS OF 1959.

LEGEND

5478.21

EXISTING CONTOUR

5478.21

EXISTING SPOT ELEVATION

77

PROPOSED 1.0' CONTOUR

77.0

PROPOSED SPOT ELEVATION

FLOW DIRECTION

City of Albuquerque

Planning Department

Development Review Services

HYDROLOGY SECTION

APPROVED

DATE: 5/5/2025

BY: *Carolina M. Lopez*

HydroTeam # H15D051

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 OMISSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. SUCH 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 BUILDING PERMIT HAS BEEN FILED ON THE DEVELOPMENT.

INLINE DRAIN DETAIL

RETAINING WALL

PIPE END

1" CONC. CHANNEL CURB VARIES 6" (AT STREET) TO 12" (AT PIPE OUTLET)

18" LOCKING, DOMED GRATE IN WITH 8" CONC. COLLAR

18" NOS INLINE DRAIN WITH 12" OUTLET

12" DIA. N12WT

INV. ELEVATION SHOWN ON PLAN

12" DIA. N12WT BEND

CURB & GUTTER

C.O.A. VICINITY MAP

FLOOD MAP

PROJECT INFORMATION

PROPERTY: THE PROPERTY IS A PREVIOUSLY UNDEVELOPED COMMERCIAL PROPERTY BOUNDED ON THE NORTH BY MT CALVARY CEMETERY, TO THE EAST BY LOCUST PL, TO THE SOUTH BY ODELIA RD NE, AND TO THE WEST BY EDITH BLVD NE.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE CONSTRUCTION OF A NEW BURIAL AREA WITH ASSOCIATED PARKING & PAVING.

LOT SIZE: 1.42 ACRES ±

LEGAL: A PORTION OF TRACT A-1 PLAT OF TRACT A-1 MT. CALVARY/SANTA BARBARA CEMETERY.

BENCHMARK: VERTICAL DATUM SHOWN HEREON WAS BASED UPON ALBUQUERQUE CONTROL SURVEY MONUMENT "9-J15" HAVING AN ELEVATION OF 5093.057.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0332G DATED 9/26/2008, THE SITE IS LOCATED WITHIN ZONE "X", DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

SURVEYOR: BRIAN J. MARTINEZ, CSI-CARTESIAN SURVEYS INC. P.O. BOX 44414 RIO RANCHO, NEW MEXICO 87174

DRAINAGE PLAN CONCEPT: SITE WILL BE RAISED/REGRADED USING STOCKPILED FILL. CEMETERY GRASS STORMWATER WILL BE ROUTED TO COLLECTION BASINS AND RELEASED TO ACCESS ROADS TO FOLLOW HISTORIC FLOWPATHS. RATIONAL METHOD CALCULATIONS SHOW AN INCREASE OF 0.5 CFS.

KEYED NOTES

- NEW PAVING AT ELEVATIONS SHOWN. SEE PAVING PLAN FOR MATERIAL, EXTENTS, JOINTS AND PAVING SECTIONS.
- ADA COMPLIANT PARKING SPACES AND ACCESS AISLES (2% MAX. SLOPE IN ANY DIRECTION), ACCESS RAMPS (MAX. 8.3% SLOPE, MAX. 2% CROSS-SLOPE), AND PEDESTRIAN WALK (MAX. 5% SLOPE, MAX. 2% CROSS-SLOPE).
- HIGH POINT / GRADE BREAK LOCATION.
- RELOCATE EXISTING STORM DRAIN PIPE AND GRADED SWALE TO DISCHARGE TO NEW 12" DEEP SEDIMENT BASIN AT ELEVATIONS SHOWN. PROVIDE ANGULAR ROCK EROSION PROTECTION AT OVERFLOW. ALL WORK (INCLUDING RAISING / LOWERING / RELOCATING IRRIGATION AND UTILITIES THIS AREA) TO BE COORDINATED WITH OWNER'S REPRESENTATIVE.
- ANGULAR ROCK EROSION PROTECTION TO LIMITS HATCHED. ALL EROSION PROTECTION TO BE 4" AVG. DIA. (2" TO 6") @ 8" DEEP OVER NON-WOVEN GEOTEXTILE (U135NW O.A.E.). ENGINEER RECOMMENDS OWNER OBSERVE SITE FOLLOWING STORM EVENTS TO IDENTIFY EROSION AND ADD ADDITIONAL PROTECTION AS NEEDED.
- SITE RETAINING WALL (REDI-SHOCK SYSTEM: 0' TO 8' RETAINING RANGE) TO ACHIEVE GRADE DIFFERENCE SHOWN. H.G.=GRADE ON HIGH SIDE OF WALL; L.G.=GRADE ON LOW SIDE OF WALL. OWNER TO OBTAIN STRUCTURALLY CERTIFIED DESIGN AND DETAILS INCLUDING TOTAL HEIGHT, FOOTING, GUARDRAILS, REINFORCING, ETC.

Isaacson & Arfman, Inc.

Civil Engineering Consultants

128 Monroe Street NE

Albuquerque, NM 87108

505-268-8828 | www.iacivil.com

NEW MEXICO

15088

04/29/2025

Engineer

NEW BURIAL AREA

Mt. Calvary Cemetery

ISSUE: CONSTRUCTION

PROJECT NUMBER: IA 2733

FILE:

DRAWN BY: BJB

CHECKED BY: GLD

DATE: 4/28/2025

DESCRIPTION

DATE

NO

SHEET TITLE

GRADING & DRAINAGE PLAN

SHEET NUMBER

CG-101