

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

December 5, 2022

David Aube, P.E.  
Cushing Terrell  
306 W. Railroad St., Ste. 104  
Missoula, MT 59802

**RE: APD Community Safety Department Facility  
Lot 20-A & Lot 24A, Block 9. Virginia Place Add'n  
1138 San Mateo Blvd. SE  
Grading Plan  
Engineer's Stamp Date: 12/2/2022  
Hydrology File: L18D054A**

Dear Mr. Aube,

Based upon the information provided in your submittal received 12/2/2022, the Grading & Drainage Plan is approved for 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

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

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

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

If you have any questions, please contact me at 505-924-3695 or [tchen@cabq.gov](mailto:tchen@cabq.gov).

Sincerely,

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

File: L18D045A



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title: APD Comm Safety Building Permit # \_\_\_\_\_ Hydrology File # \_\_\_\_\_

DRB# \_\_\_\_\_ EPC# \_\_\_\_\_

Legal Description: Lot 20-A, Virginia Place Add'n. City Address OR Parcel 1138 San Mateo BLVD SE

Applicant/Agent: Cushing Terrell Contact: Dave Aube

Address: 306 Railroad St, Suite 104 Phone: 406-540-3219

Email: daveaube@cushingterrell.com

Applicant/Owner: COA DMD Contact: Stacy Herrera

Address: Cushing Terrell Phone: 505-768-2768

Email: shererra@cabq.gov

TYPE OF DEVELOPMENT: \_\_\_ PLAT (#of lots) \_\_\_ RESIDENCE \_\_\_ DRB SITE \_\_\_ ADMIN SITE: X

RE-SUBMITTAL: X YES \_\_\_ NO

DEPARTMENT: \_\_\_ TRANSPORTATION X HYDROLOGY/DRAINAGE

Check all that apply:

### TYPE OF SUBMITTAL:

- \_\_\_ ENGINEER/ARCHITECT CERTIFICATION
- \_\_\_ PAD CERTIFICATION
- \_\_\_ CONCEPTUAL G&D PLAN
- \_\_\_ GRADING PLAN
- X DRAINAGE REPORT
- \_\_\_ DRAINAGE MASTER PLAN
- \_\_\_ FLOOD PLAN DEVELOPMENT PERMIT APP.
- \_\_\_ ELEVATION CERTIFICATE
- \_\_\_ CLOMR/LOMR
- \_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)
- \_\_\_ ADMINISTRATIVE
- \_\_\_ TRAFFIC CIRCULATION LAYOUT FOR DRB APPROVAL
- \_\_\_ TRAFFIC IMPACT STUDY (TIS)
- \_\_\_ STREET LIGHT LAYOUT
- \_\_\_ OTHER (SPECIFY)
- \_\_\_ PRE-DESIGN MEETING?

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- X BUILDING PERMIT APPROVAL
- \_\_\_ CERTIFICATE OF OCCUPANCY
- \_\_\_ CONCEPTUAL TCL DRB APPROVAL
- \_\_\_ PRELIMINARY PLAT APPROVAL
- \_\_\_ SITE PLAN FOR SUB'D APPROVAL
- \_\_\_ SITE PLAN FOR BLDG PERMIT APPROVAL
- \_\_\_ FINAL PLAT APPROVAL
- \_\_\_ SIA/RELEASE OF FINANCIAL GUARANTEE
- \_\_\_ FOUNDATION PERMIT APPROVAL
- \_\_\_ GRADING PERMIT APPROVAL
- \_\_\_ SO-19 APPROVAL
- \_\_\_ PAVING PERMIT APPROVAL
- \_\_\_ GRADING PAD CERTIFICATION
- \_\_\_ WORK ORDER APPROVAL
- \_\_\_ CLOMR/LOMR
- \_\_\_ FLOOD PLAN DEVELOPMENT PERMIT
- \_\_\_ OTHER (SPECIFY) \_\_\_\_\_

DATE SUBMITTED: 11-23-22



DRAWING INDEX

- CD-1 EXISTING CONDITIONS DRAINAGE STUDY
- CD-2 PROPOSED DRAINAGE STUDY
- CD-3 POD SECTIONS
- CD-4 POD SECTIONS

City of Albuquerque  
Planning Department  
Development Review Services  
HYDROLOGY SECTION

APPROVED

DATE: 12/5/2022  
BY: *Wanda Cha*  
HydroTrans # L18D045A

THE APPROVAL OF THESE PLANS SHALL NOT BE  
CONSIDERED A GUARANTEE OF THE CITY OF ALBUQUERQUE.  
THE CITY OF ALBUQUERQUE SHALL NOT BE  
RESPONSIBLE FOR ANY DAMAGE OR INJURY TO  
PERSONS OR PROPERTY, OR FOR ANY  
CONSTRUCTION OR CONSTRUCTION, SUCH APPROVAL AND  
REVISIONS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT  
AUTOMATICALLY.



Drainage Summary

Project: Albuquerque Community Safety Facility  
Project Number: ABQ\_CSF  
Date: 10/11/22  
By: Dugan M

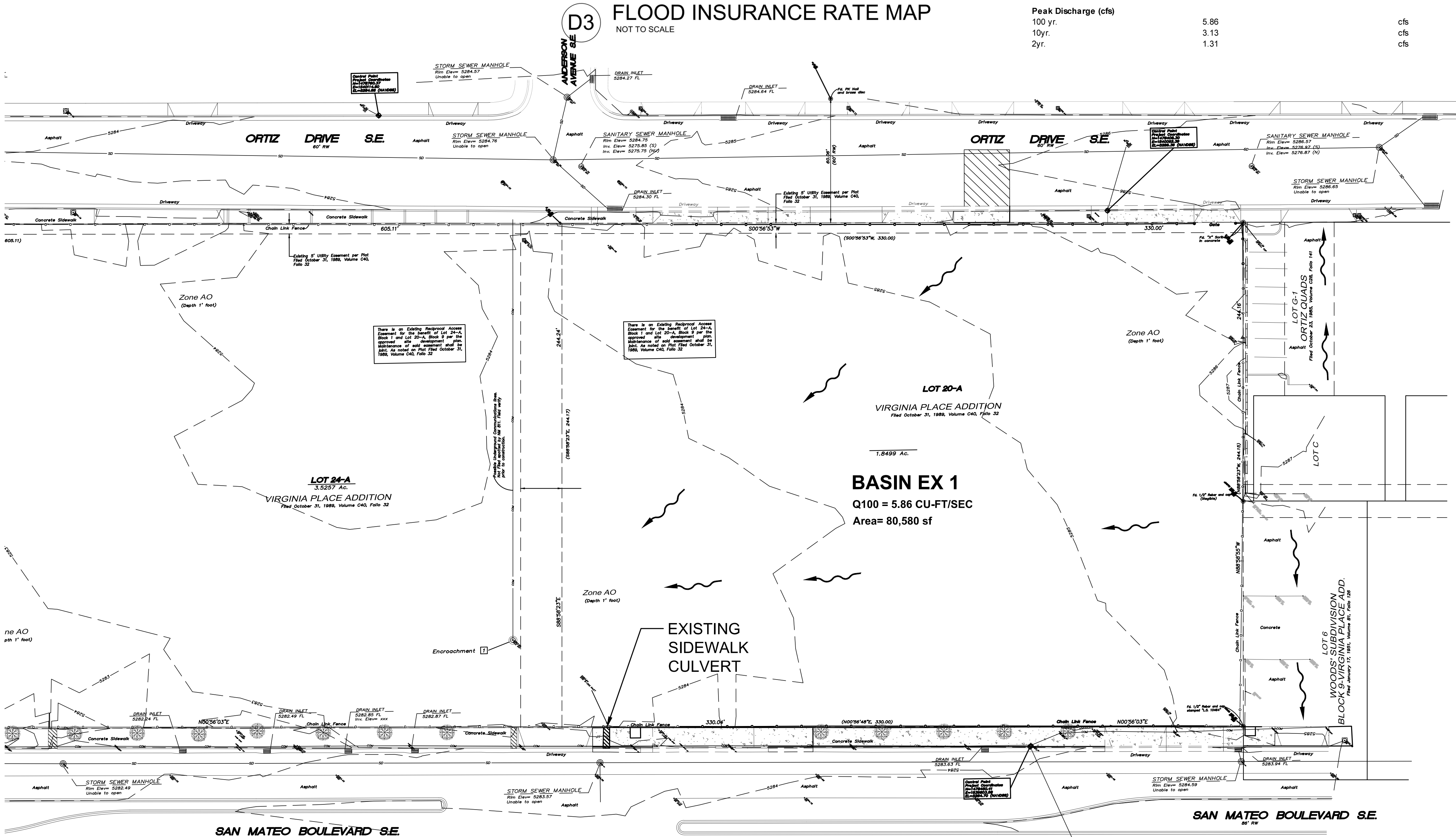
Site Location

Precipitation Zone 3 Per COA DPM Chapter 6

Existing summary

Basin Name	Ex Basin 1
Area (sf)	80580
Area (acres)	1.85
%A Land treatment	0
%B Land treatment	0
%C Land treatment	100
%D Land treatment	0
Soil Treatment (acres)	
Area "A"	0.00
Area "B"	0.00
Area "C"	1.85
Area "D"	0.00
Excess Runoff (acre-feet)	
100yr. 6hr.	0.1680
10yr. 6hr.	0.0802
2yr. 6hr.	0.0293
100yr. 24hr.	0.1680
Peak Discharge (cfs)	
100 yr.	5.86
10yr.	3.13
2yr.	1.31

D3 FLOOD INSURANCE RATE MAP  
NOT TO SCALE



I. PURPOSE AND SCOPE

THE PURPOSE OF THIS DRAINAGE PLAN IS TO PRESENT THE EXISTING AND PROPOSED DRAINAGE CONDITIONS FOR PROPOSED ALBUQUERQUE COMMUNITY SAFETY DEPARTMENT FACILITY, IN ALBUQUERQUE. THE ZONE ATLAS PAGE FOR THE SITE IS L-17.

II. SITE DESCRIPTION AND HISTORY

THE PROJECT SITE IS LOCATED ON THE EAST SIDE OF SAN MATEO BOULEVARD, BETWEEN SAN MATEO BLVD AND ORTIZ DRIVE SE.

THE SITE IS CURRENTLY VACANT LAND WITH FULLY DEVELOPED PROPERTIES SURROUNDING THE SOUTH AND UNDEVELOPED TO THE NORTH.

III. COMPUTATIONAL PROCEDURES

HYDROLOGIC ANALYSIS WAS PERFORMED UTILIZING THE DESIGN CRITERIA BASED ON CHAPTER 6, HYDROLOGY, OF THE DEVELOPMENT PROCESS MANUAL RELEASED 2020. TABLES WITHIN CHAPTER 6, WERE USED TO AID IN THE STUDY OF THE SITE HYDROLOGY.

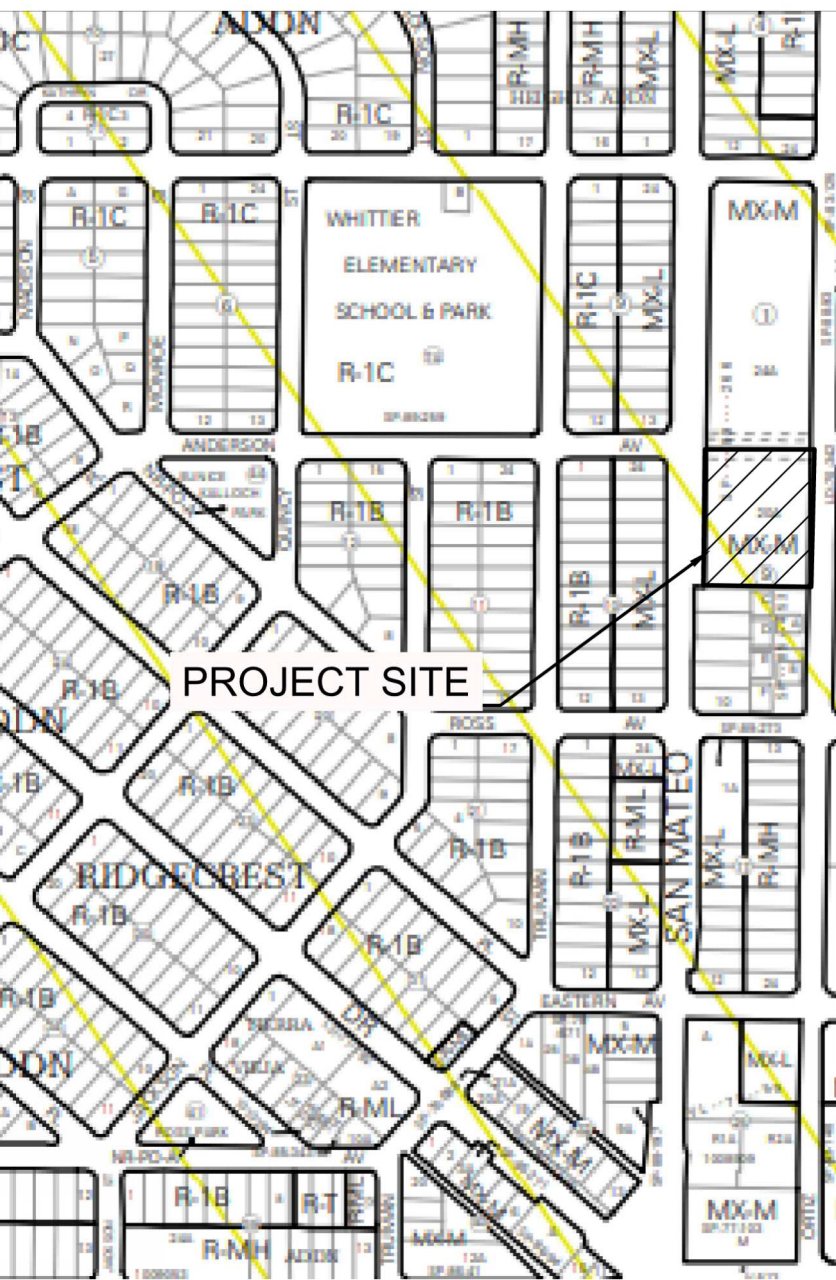
IV. PRECIPITATION

THE STORM EVENT USED FOR THE FOLLOWING CALCULATIONS IS THE 100YR-6HR STORM. THE PROJECT SITE IS LOCATED IN ZONE 3 (EAST OF SAN MATEO, AND WEST OF EUBANK).

V. EXISTING DRAINAGE CONDITIONS

CURRENTLY THE SITE IS VACANT LAND BUT HAS HAD PREVIOUS DEVELOPMENT THAT HAS SINCE BEEN DEMOLISHED. THE SITE GENERALLY DRAINS FROM SOUTH TO NORTH. THERE ARE SIDEWALK CULVERTS IN PLACE TO ALLOW WATER TO DRAIN INTO THE STREET ALONG SAN MATEO BOULEVARD. THE ADJACENT PROPERTIES TO THE SOUTH ARE DEVELOPED AND CURRENTLY DRAIN TO THE WEST AND EAST ONTO SAN MATEO BOULEVARD AND ORTIZ DRIVE SE. THEREFORE THERE IS NO OFF SITE DRAINAGE FROM THESE SITES. THE SITE TO THE NORTH IS UNDEVELOPED AND CONTINUES DRAINING TO THE NORTH, THEREFORE THERE IS NO OFF SITE DRAINAGE CROSSING THIS PROJECT SITE. THE TOTAL RUNOFF FROM THE EXISTING PARCEL IS 5.86 CFS.

THIS SITE IS IN A A0 FLOOD ZONE PER FEMA. THIS INDICATES THAT DURING 100 YEAR RAINFALL EVENTS THAT THE DEPTH OF FLOW WILL BE 1' DEEP.



C5 ZONE ATLAS PAGE L-17  
NOT TO SCALE

Cushing Terrell

cushingterrell.com  
800.757.9522

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Planners • Urban Designers • LEED®

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CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM

PROJECT TITLE:  
ALBUQUERQUE COMMUNITY SAFETY DEPARTMENT FACILITY

DRAWING TITLE:  
EXISTING CONDITIONS DRAINAGE STUDY

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
PERMIT DRAWINGS	City Project No. 7881.00	DG Project No. 6600.AS32	Zone Map No. L-17-Z
		DWG.	CD-1
			Sheet














 <div style="display: inline-block; vertical-align: middle;"> <h1 style="margin: 0;">CITY OF ALBUQUERQUE</h1> <h2 style="margin: 0;">CAPITAL IMPLEMENTATION PROGRAM</h2> </div>						
PROJECT TITLE: ALBUQUERQUE COMMUNITY SAFETY DEPARTMENT FACILITY						
DRAWING TITLE: POND SECTIONS						
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.		Mo./Day/Yr.	
PERMIT DRAWINGS	City Project No. 7881.00	DG Project No. 6600.AS32	Zone Map No. L-17-Z	DWG. CD-4	Sheet	