CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



August 16, 2020

Jackie McDowell, PE McDowell Engineering, Inc. 7820 Beverly Hills Ave NE Albuquerque, NM 87121

RE: Lot 8 Block 3 Unit 19, S.A.D. 228
Volcano Cliffs Subdivision
7809 Urraca Rd. NW
Grading and Drainage Plan
Engineers Stamp Date 4/13/2021 Rev (D10D003U8)

Ms. McDowell,

Based upon the information provided in your submittal received 4/16/2021, this plan is approved for Grading Permit.

PO Box 1293

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Albuquerque

Please inform the builder/owner to attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

NM 87103

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan dated 4/13/2021. <u>Also, dirt ramps are not allowed, either crusher fines or lumber may be used to climb a curb. If a swimming pool is added later a revised G&D plan will be required.</u>

www.cabq.gov

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

Ernest Armijo, P.E.

Principal Engineer, Planning Dept. Development Review Services



City of Albuquerque

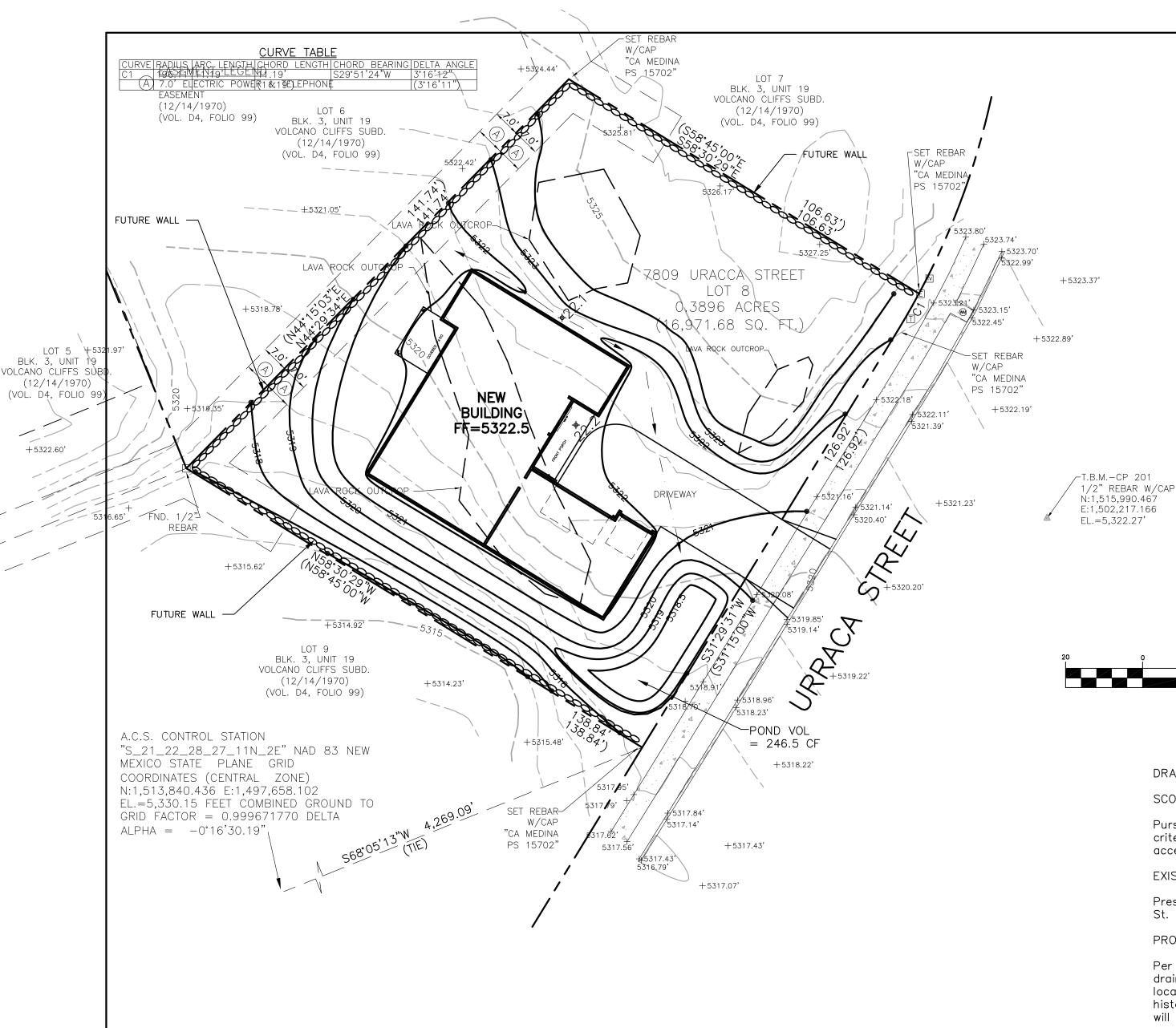
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Building P		rmit #: Hydrology File #: _	
DRB#:			
Legal Description:			
City Address:			
Applicant:			Contact:
Address:			
Phone#:	Fax#:		E-mail:
Other Contact:			Contact:
Address:			
Phone#:			
TYPE OF DEVELOPMENT:	PLAT (# of lots)	RESIDENCE	DRB SITE ADMIN SI
IS THIS A RESUBMITTAL?	Yes No		
DEPARTMENT TRANSPO	RTATIONHY	DROLOGY/DRAINAC	GE
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT APPLIC ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?		TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY 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 FLOODPLAIN DEVELOPMENT PERMIT OTHER (SPECIFY)	

FEE PAID:_____



SURVEY NOTES:

7809 URACCA STREET, ALBUQUERQUE, NEW MEXICO

LOT 8, BLOCK 3, UNIT 19, VOLCANO CLIFFS SUBDIVISION, BERNALILLO COUNTY, NEW MEXICO FILED DECEMBER 14, 1970 IN VOLUME D4, FOLIO 99 WITH THE BERNALILLO COUNTY CLERKS OFFICE.

SURVEY INFORMATION

TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY TERRA LAND SURVEYS, LLC.

PROJECT BENCHMARK

PROJECT BENCHMARK IS A USGLO SECTION CORNER DISC SET IN A 12 INCH CONCRETE POST POURED AROUND THE ORIGINAL IRON PIPE 1 FOOT ABOVE GROUND STAMPED, "S21, S22, S28, S27. T11, R2E, 1911." TO REACH THE STATION BENCHMARK FROM THE INTERSECTION OF MONTANO ROAD AND UNSER BOULEVARD NORTHWEST, TRAVEL NORTHWEST ON UNSER BOULEVARD 0.78 MILES TO MOLTEN ROCK ROAD NORTHWEST, TURN LEFT AND TRAVEL 320 FEET TO 81ST STREET NORTHWEST AND THE STATION IS LOCATED ON THE SOUTHEAST QUADRANT OF

TEMPORARY BENCHMARK

PROJECT BENCHMARK CP 201 IS A TERRA LAND SURVEY 1/2" REBAR WITH PLASTIC CAP STAMPED "TERRA CONTROL" ELEVATION = 5,322.27 FEET (NAVD

<u>NOTES</u>

2. TOPOGRAPHIC SURVEY WAS COMPILED UTILIZING GROUND COORDINATES REFERENCED TO NAD 1983 NEW MEXICO CENTRAL ZONE. PRIMARY HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED UTILIZING GPS RTK METHODS. COMBINED GROUND TO GRID FACTOR IS 1.000329272089/0.999670836304 SCALED AROUND 0,0.

3. ELEVATIONS SHOWN FOR PIPES ARE INVERT ELEVATIONS UNLESS OTHERWISE

5. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL OF THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS

This is the plan to be used for any garden walls and any openings in the walls shall be placed 3" above final grade in the rear yard to allow for cross lot drainage from west to east (upstream to downstream).

PROPERTY LINE WALLS AND GARDEN WALLS SHALL HAVE TURNED BLOCKS OR WEEP HOLES FOR DRAINAGE. ALL OPENINGS IN THE WALLS SHALL BE 3" ABOVE GRADE

STANDARD GRADING NOTE: THE MAXIMUM GRADED SIDE SLOPE SHALL NOT EXCEED 3 FEET (HORIZONTALLY) TO 1 FOOT (VERTICALLY). AREAS DISTURBED BY GRADING WHICH WILL NOT BE TREATED WITH LANDSCAPING SHALL BE SEEDED.

STANDARD WALL AND PAD CERTIFICATION NOTES:

GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft

access, landscaping, and utility improvements.

7908 URRACA ST. NW. ALBUQUERQUE, NM 87120

DRAINAGE PLAN

EXISTING CONDITIONS:

PROPOSED CONDITIONS:

CALCULATIONS:

TOPOGRAPHY:

PROPERTY ADDRESS:

ZONE 1

Areas: (acres)

Treatment A

Treatment B

Treatment C

Treatment D

Total Q(p), cfs:

Treatment A

Treatment B

Treatment C

Treatment D

Volume

SCOPE:

ALL PERMITER GARDEN WALLS SHALL BE PERMITTED SEPARATELY.

A PAD CERTIFICATION IS REQUIRED BEFORE THE BUILDING PERMIT IS RELEASED.

Pursuant to the latest City of Albuquerque and Bernalillo County Ordinances, the Drainage Plan shown hereon outlines the drainage management

Presently, the 0.39 acre site is undeveloped. The site is bounded on the west, north, and south by private property, and on the east by Urraca

St. NW. The site slopes from the north to the south. As shown on FEMA Panel #112G, the site is not located in a 100 year flood plain.

Per the SAD 227 and 228 Drainage Reports by Wilson & Company, drainage from the lots have been master planned to be intercepted by drainage features downstream of the properties. First flush ponding is required on all developments. As shown by the plan, the building is located in the center of the lot. Negligible off—site flows enter the site due to existing grades from the north and will continue to be allowed to historically flow through the site. On site flows will drain around the structure to new grades and flow to the ponding area. All roof drainage

The calculations shown hereon define the 100 year—6 hour design storm falling within the project area under existing and developed conditions.

The Hydrology is per "Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque, New

Proposed

100 year

Proposed

100 year

Proposed

A*(q)D

0.038

0.00

0.20

0.52

0.48

1.677

0.10

∥10 year

llExistina

10 year

Existing

Q(p)*A

0.003

0.09

0.00

0.00

0.09

P(360) = 2.20 inches

ELEV.

5318.5

10 year

10 year

A*(q)D

Proposed

Proposed

0.020

0.00

0.08

0.27

0.32

0.66

inches

AREA

660

llExistina

2 year

Existing

Q(p)*A

0.000

0.00

0.00

0.00

0.00

VOL. (CF)

246.5

2 year

2 year

Q(p)*A

Proposed

0.00

0.00

0.08

0.19

Proposed

0.008

POND VOLUME PROVIDED:

P(10 day) = 3.67

Mexico in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority.

Existing

Existina

FIRST FLUSH REQUIRED POND VOL = 0.34"/(12"/FT)*(0.11 AC * 43560 SF/AC) = 136 CF

100 year

Existing

Q(p)*A

0.39

0.00

0.00

0.00

0.39

0.014

623

0.50

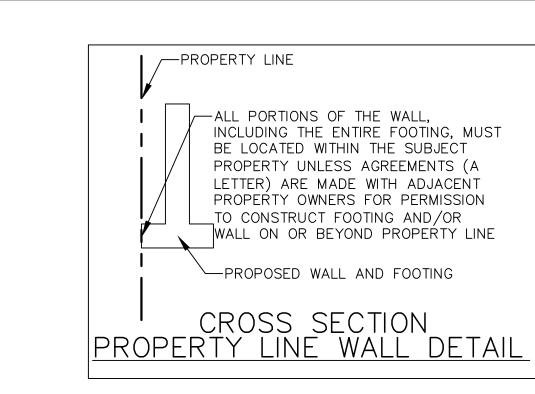
0.00

0.00

0.00

0.50

criteria for controlling developed runoff on and exiting the project site. A single family home is proposed for the site with associated parking,



will discharge from the roof to the lot and be directed around the structure to the drainage paths.

Supplemental calculations are shown as part of this Grading and Drainage plan.

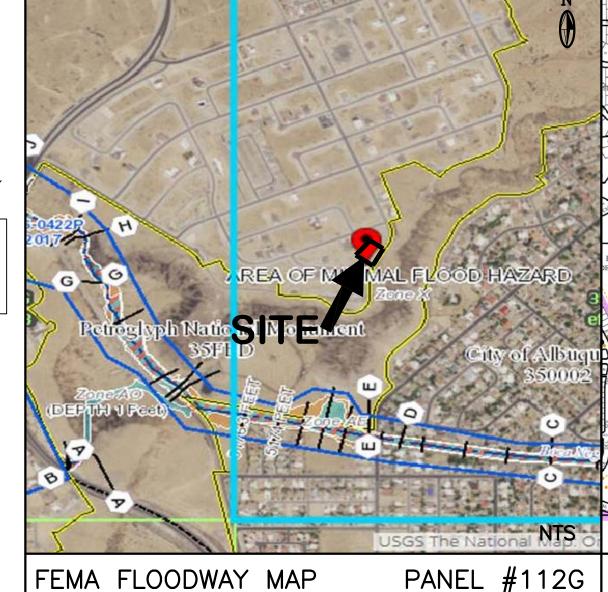
Topographic information provided by Christopher Medina dated January, 2021.

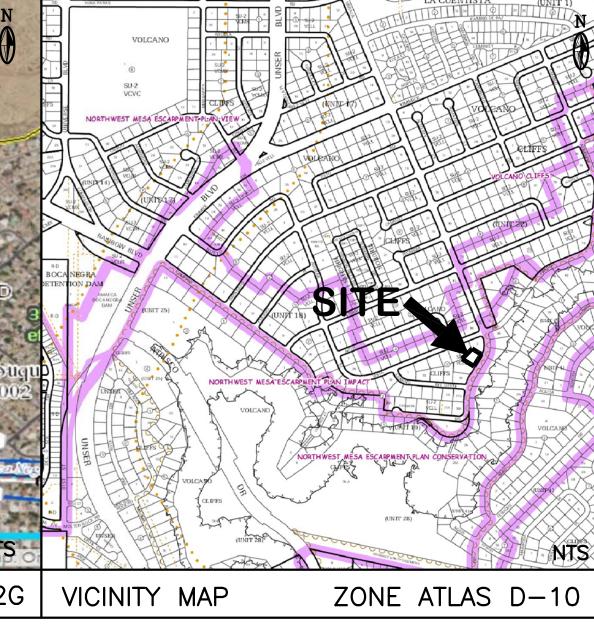
Total (acres) = 📗

Total Q (cfs) =

Volume (acre-feet) =

Volume (cubic feet) =





LEGEND

EXISTING

PROPOSED

SURVEY LEGEND

▲ FOUND CONTROL MONUMENT (AS NOTED) SET 1/2" REBAR W/CAP "C.A. MEDINA P.S. 15702" FND. REBAR (AS NOTED)

TELEPHONE PEDESTAL □ CABLE TV PEDESTAL ■ WATER METER

— — BLOCK WALL

ELECTRIC BOX

X7277.95 SPOT ELEVATION

CONCRETE HATCH

RETAINING WALL/WALL

×5321.78

SPOT ELEVATION

ENGINEER'S CERTIFICATION:

I, Jackie S. McDowell, hereby certify that I personally inspected the site shown on this plan on March 18, 2021 and as of that date it appeared that no filling, grading, or excavation had occurred thereon since completion of the topographic survey used to prepare this plan.

7908 URRACA ST. NW, ALBUQUERQUE, NM 87120 CITY OF ALBUQUERQUE, BERNALILLO COUNTY

NEW MEXICO LOT 8, BLOCK 3, UNIT 19 **VOLCANO CLIFFS SUBDIVISION**

NIETO, PETER (PAULA PEREZ) - G & D PLAN

TELE: 505-828-2430 • FAX: 505-821-4857 Checked JSM esigned JSM Drawn STAFF APRIL,2021 NIE0121L

PROJECT LOCATION

LEGAL DESCRIPTION

CORRALES, NEW MEXICO JANUARY 2021.

THE INTERSECTION. ELEVATION = 5,330.151 FEET.

1988 VERTICAL DATUM)

1. FIELD SURVEY PERFORMED IN DECEMBER 2020.

SPECIFIED.

4. CONTOURS SHOWN HEREON ARE AT A ONE FOOT INTERVAL REFERENCED TO THE NAVD 88 VERTICAL DATUM.

POSSIBLE FROM THE INFORMATION AVAILABLE.

GENERAL DRAINAGE PLAN NOTES:

foundation/structural design.

recommended.

recommended.

safety and health.

during construction.

seed mix.

1. It is recommended that the Owner obtain a

2. This plan recommends positive drainage away from all structures to prohibit ponding of runoff

grades next to the structures are not

3. Irrigation within 10 feet of any proposed

structure is not recommended. Irrigation water

4. This plan establishes on—site drainage and

assumes no responsibility for subsurface analysis,

foundation or structural design, or utility design.

5. Local codes may require all footings to be placed

in natural undisturbed soil. If the contractor plans

to place footings on engineered fill, a certification

6. It is recommended that the Owner obtain the

services of a Geotechnical Engineer to test and

7. The property boundary shown on this plan is

given for information only to describe the project

limits. Property boundary information shown hereon

8. All work shall be constructed in accordance with

the City of Albuquerque Standard Specifications for

9. All work on this project shall be performed in

soils/sediment or silt enters the righ-of-ways

11. Areas disturbed due to construction shall be

restored per City of Albuquerque Spec. 1012 native

accordance with applicable Federal, State, and Local

laws, rules, and regulations concerning construction

inspect all earthwork aspects of the project.

by a registered Professional Engineer is

does not constitute a boundary survey.

Public Works Construction with updates.

10. Contactor shall ensure that no site

adjacent to the structures could cause settlement.

Geotechnical Evaluation of the on-site soils prior to

adjacent to the structure. Future alterations of the