

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

January 29, 2020

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

RE: **Lot 4 Block 6 Unit 18, S.A.D. 228**  
**Volcano Cliffs Subdivision**  
**6616 Kimmick Dr. NW**  
**Grading and Drainage Plan**  
**Engineers Stamp Date; 12-23-19 (D10D003M14)**  
**Pad Certification Date; 1/22/20**

Dear Ms. McDowell,

PO Box 1293

Based upon the information provided in your submittal received 1/23/20, this plan is approved for Building Permit.

Albuquerque

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

NM 87103

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

www.cabq.gov

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

Sincerely,

Ernest Armijo, P.E.  
Principal Engineer, Hydrology  
Planning Department

RR/EA  
C: File D10D003M14





# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** \_\_\_\_\_ **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** \_\_\_\_\_

**City Address:** \_\_\_\_\_

**Applicant:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

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

IS THIS A RESUBMITTAL? \_\_\_\_\_ Yes \_\_\_\_\_ No

**DEPARTMENT** \_\_\_\_\_ TRANSPORTATION \_\_\_\_\_ HYDROLOGY/DRAINAGE

Check all that Apply:

### 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) \_\_\_\_\_

**DATE SUBMITTED:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_



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:

ALL PERMITER GARDEN WALLS SHALL BE PERMITTED SEPARATELY.

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

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.

MAINTAIN EXISTING BACK OF SIDEWALK ELEVATION (WATER BLOCK) AT NEW DRIVEPADS

T.B.M.—CP 101 1/2" REBAR W/CAP "TERRA CONTROL" N:1517589.318 E:1499635.222 EL.=5,335.15'

TC/BC 5335.18 FL 5334.56

X 5334.75

LOT 4 BLOCK 6 VOLCANO CLIFFS SUBDIVISION UNIT 18

EXISTING WALL

X 5334.85

X 5332.17

X 5332.38

FND. REBAR W/CAP "PS 10025"

X 5332.20

X 5332.01

X 5332.29

X 5332.20

X 5332.20

X 5332.20

KIMMICK DR. NW

(UNSER FRONTAGE ROAD) (ASPHALT)

TC/BC 5335.85

TC/BC 5335.18 FL 5334.56

TC/BC 5335.18 FL 5334.56

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CP 102 1/2" REBAR W/CAP "TERRA CONTROL" N:1517696.693 E:1499774.259 EL.=5,336.37'

TC/BC 5336.60

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CP 100 1/2" REBAR W/CAP "TERRA CONTROL" N:1517537.663 E:1499843.268 EL.=5,332.60'

TC/BC 5332.60

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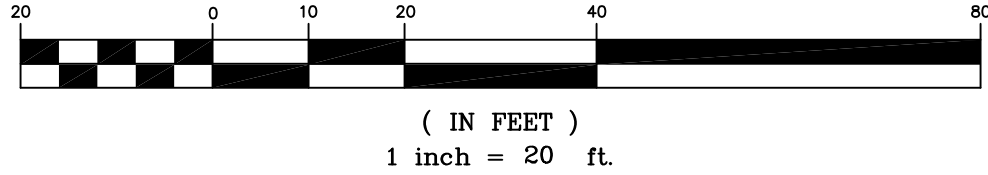
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GRAPHIC SCALE



FND. REBAR W/CAP "PS 10025"

ZONE 1

Areas (acres)	Existing	Proposed
Treatment A	0.53	0.00
Treatment B	0.00	0.23
Treatment C	0.00	0.05
Treatment D	0.00	0.25
Total (acres) =	0.53	0.53

POND VOLUME PROVIDED:	ELEV.	AREA	VOL. (CF)
5332	1264		377.5
5331.5	246		

ADDED TYPE C AMOUNT

Volume	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed	2 year Existing	2 year Proposed
Volume (acre-feet) =	0.019	0.058	0.004	0.032	0.000	0.016
Volume (cubic feet) =	847	2,527	154	1,389	0	684

FIRST FLUSH REQUIRED POND VOL = 0.34"/(12"/FT)\*(0.25 AC \* 43560 SF/AC) = 309 CF

Total Q(p), cfs:	100 year Existing Q(p)/A	100 year Proposed Q(p)/A	10 year Existing Q(p)/A	10 year Proposed Q(p)/A	2 year Existing Q(p)/A	2 year Proposed Q(p)/A
Treatment A	0.68	0.00	0.13	0.00	0.00	0.00
Treatment B	0.00	0.47	0.00	0.17	0.00	0.01
Treatment C	0.00	0.14	0.00	0.07	0.00	0.02
Treatment D	0.00	1.09	0.00	0.72	0.00	0.42
Total Q (cfs) =	0.68	1.70	0.13	0.97	0.00	0.45

LEGEND

EXISTING PROPOSED

CONTOUR 6045 6045

PROPERTY LINE

ROAD

SETBACK

WALL

SPOT ELEVATION X 5333.53

SURVEY NOTES:

PROJECT LOCATION

6616 KIMMICK DRIVE NORTHWEST, ALBUQUERQUE, NEW MEXICO

LEGAL DESCRIPTION

LOT 4, BLOCK 6, VOLCANO CLIFFS SUBDIVISION, UNIT 18

SURVEY INFORMATION

TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY TERRA LAND SURVEYS, LLC. CORRALES, NEW MEXICO JULY 2017.

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 THE INTERSECTION. ELEVATION = 5,330.151 FEET.

TEMPORARY BENCHMARK

TEMPORARY BENCHMARK IS CP 101 A SET 1/2 INCH REBAR WITH CAP STAMPED "TERRA CONTROL." ELEVATION=5,335.15 FEET (NAVD 1988 VERTICAL DATUM).

NOTES

- FIELD SURVEY PERFORMED IN JULY 2017.
- TOPOGRAPHIC SURVEY WAS COMPILED UTILIZING GROUND COORDINATES REFERENCED TO THE NAD 83 NEW MEXICO CENTRAL ZONE COORDINATE SYSTEM. PRIMARY HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED UTILIZING GPS RTK METHODS (COMBINED GROUND TO GRID FACTOR = 0.999671106 SCALED AROUND 0.0).
- ELEVATIONS SHOWN FOR PIPES ARE INVERT ELEVATIONS UNLESS OTHERWISE SPECIFIED.
- CONTOURS SHOWN HEREON ARE AT A ONE FOOT INTERVAL REFERENCED TO THE NAVD 88 VERTICAL DATUM.
- THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNER AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA SHOWN IS FROM A RECORD DOCUMENT.

GENERAL DRAINAGE PLAN NOTES:

- It is recommended that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
- This plan recommends positive drainage away from all structures to prohibit ponding of runoff adjacent to the structure. Future alterations of the grades next to the structures are not recommended.
- Irrigation within 10 feet of any proposed structure is not recommended. Irrigation water adjacent to the structures could cause settlement.
- This plan establishes on-site drainage and assumes no responsibility for subsurface analysis, foundation or structural design, or utility design.
- 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 by a registered Professional Engineer is recommended.
- It is recommended that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
- The property boundary shown on this plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey.
- All work shall be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction with updates.
- All work on this project shall be performed in accordance with applicable Federal, State, and Local laws, rules, and regulations concerning construction safety and health.
- Contactors shall ensure that no site soils/sediment or silt enters the right-of-ways during construction.
- Areas disturbed due to construction shall be restored per City of Albuquerque Spec. 1012 native seed mix.

PAD CERTIFICATE

LOT 4 BLOCK 6 VOLCANO CLIFFS UNIT 18 6616 KIMMICK DRIVE NW

LEGEND

- FOUND REBAR (AS NOTED)
- FOUND CHISELED "X"
- 53XX.XX SPOT ELEVATION
- CONCRETE HATCH

NOTES:

- FIELD SURVEY PERFORMED ON JANUARY 2020.
- ALL DISTANCES SHOWN ARE GROUND DISTANCES.
- BASIS OF BEARINGS IS STATE PLANE NAD 83 NM CENTRAL ZONE USING USGLO SECTION CORNER "S21, S22, S28, S27, T11, R2E, 1911"
- ELEVATIONS REFERENCED TO NAVD 88 VERTICAL DATUM. PROJECT BENCHMARK IS USGLO SECTION CORNER "S21, S22, S28, S27, T11, R2E, 1911" EL.=5,330.151 FEET.
- THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION SHOWN TAKEN FROM RECORD PLAT AND SHOWN FOR ORIENTATION ONLY.

SURVEYOR'S CERTIFICATION:

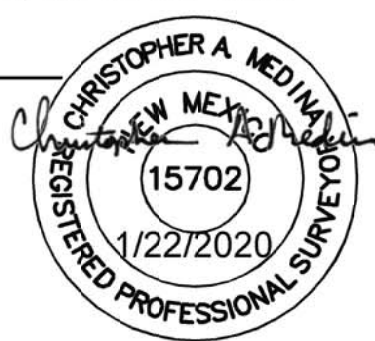
I, CHRISTOPHER A. MEDINA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15702, DO HEREBY CERTIFY THAT THIS TOPOGRAPHIC SURVEY AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION; THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND IS CORRECT AND TRUE TO THE BEST OF MY BELIEF AND KNOWLEDGE.

Christopher A Medina

CHRISTOPHER A. MEDINA, NMPLS NO. 15702

JAN. 22, 2020

DATE



CURVE TABLE

C1 160.41' 2648.71' 3'28'12" N52°00'53"E 160.39'

( IN FEET )

1 inch = 40 ft.

SHEET 1 OF 1

TERRA PROJECT NO. 2020-005



REV. 12-11-19  
REV. 12-23-19 - ADD TYPE C  
1-22-20 PAD CERTIFICATION

ENGINEER'S CERTIFICATION:

I, Jackie S. McDowell, hereby certify that I personally inspected the site shown on this plan on July 11, 2017 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.

6616 KIMMICK DR. NW, ALBUQUERQUE, NM 87120

CITY OF ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO

LOT 4, BLOCK 6, UNIT 18 VOLCANO CLIFFS SUBDIVISION

CANDELARIA - GONZALES - GRADING & DRAINAGE PLAN

McDowell Engineering, Inc.

7820 BEVERLY HILLS AVE. NE ALBUQUERQUE, NM 87122

TELE: 505-828-2430 FAX: 505-821-4857

Designed JSM Drawn STAFF Checked JSM Sheet of

File CAN0217L Date JULY,2017 1 1