

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

January 31, 2019

Richard Dourte, P.E.
RHD Engineering LLC
4305 Purple Sage Ave. NW
Albuquerque, New Mexico 87120

RE: **Lot 35 Block 6 Unit 2 SAD 227**
7904 Kibo Rd. NW
Unser Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 1/25/19 (E10D056)

Dear Mr. Dourte,

Based upon the information provided in your submittal received 1/31/19, this plan is approved for Grading Permit. Please inform the builder/owner to attach a copy of this approved plan and letter into the construction sets in the permitting process prior to sign-off by Hydrology.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan. Also inform the contractor to use lumber, asphalt millings or any type of material other than dirt, to ramp over the curb stone.

Prior to building permit approval a pad certification will be required.

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,

James D. Hughes, P.E.
Principal Engineer, Hydrology
Planning Department

RR/JDH
C: File E10D056



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Lot 35, Bk 6, Volcano Cliffs Building Permit #: _____ Hydrology File #: E10D056
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: Lot 35, Block 6, Volcano Cliffs no. 2
City Address: 7904 Kibo Drive NW

Applicant: RHD Engineering, LLC Contact: Richard Dourte
Address: 4305 Purple Sage Ave. NW, Alb. NM, 87120
Phone#: 505.288.1621 Fax#: _____ E-mail: rhengineering@outlook.com

Other Contact: Joe Simons Architecture Contact: Joe Simons
Address: PO Box 67408, Alb. NM 87193-7048
Phone#: _____ Fax#: _____ E-mail: joe@simonsarchitecture.com

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: 1-28-19 By: Richard Dourte

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

January 25, 2019

Mr. James D. Hughes, PE
Principal Engineer, Planning Department
Development Review Services
600 Second Street
City of Albuquerque, NM 87102

RE: Lot 35, Block 6, Volcano Cliffs No. 2 Subd, SAD 227 (E10D056)
7904 Kibo dr NW

Dear Mr. Hughes,

Thank you for your letter dated January 24, 2019 (enclosed) regarding the above referenced project.
The following is in response to your item(s):

1. Ponding was increased to provide capacity for the 100yr, 10 day event.
2. The easement on the west side of the site, along with the 5' and 7' utility easements on the east and south have been included.

If you have any questions, please feel free to call me at 288-1621.

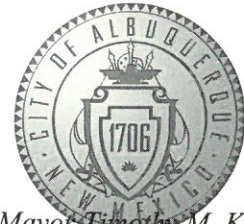
Sincerely,



Richard Dourte, PE
RHD Engineering, LLC

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor ~~Timothy~~ M. Keller

January 24, 2019

Richard Dourte, P.E.
RHD Engineering LLC
4305 Purple Sage Ave. NW
Albuquerque, New Mexico 87120

RE: **Lot 35 Block 6 Unit 2 SAD 227**
7904 Kibo NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 1/22/19 (E10D056)

Dear Mr. Dourte,

Based upon the information provided in your submittal received 1/23/19, this plan cannot be approved for Grading Permit until the following comments are addressed.

PO Box 1293

- Provide a section of the NE corner showing how the flows will drain to Kibo Ave. or a pond which will hold the 100 year 10 day volume.
- Provide the easement on the west side of the property.

Albuquerque

Prior to building permit approval a pad certification will be required.

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.

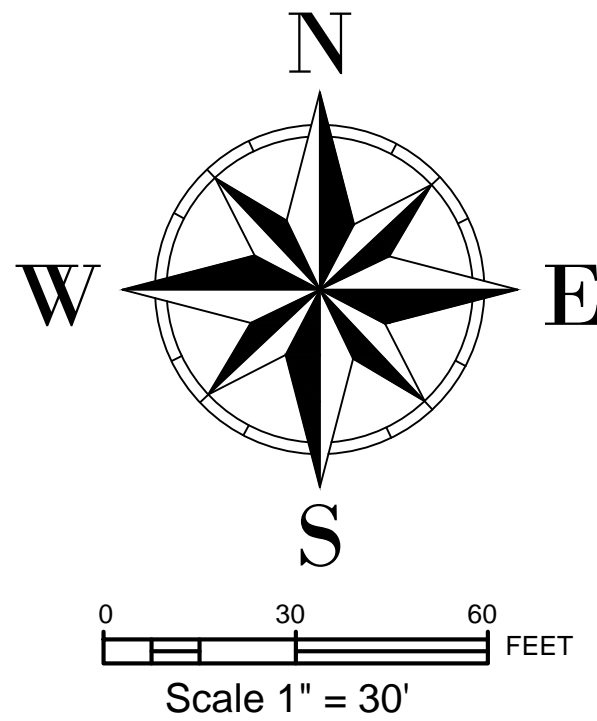
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James D. Hughes, P.E.
Principal Engineer, Hydrology
Planning Department

RR/JDH
C: File E10D056

DRAINAGE NARRATIVE:

1. THIS SITE IS LOCATED WITHIN THE SAD 227 DRAINAGE PLAN. AN ALLOTMENT OF 3600SF OF IMPERVIOUS AREA PER LOT IS PERMITTED TO DRAIN TO THE SAD 227 STORM DRAIN SYSTEM. THIS SITE IS PROPOSED TO HAVE 3925SF OF IMPERVIOUS AREA. THE DIFFERENCE IN THE RUNOFF WILL NEED TO BE PONDED ONSITE. THIS SITE WOULD BE REQUIRED TO POND ONLY 26CF. SEE THE DRAINAGE CALCULATIONS BELOW.
2. BASIN N IS REQUIRED TO POND THE 100YR 10 DAY EVENT =501CF. THIS IS GREATER THAN THE FIRST FLUSH VOLUME OF 26CF. THE TWO PONDS FOR THIS AREA ARE 430CF+80CF= 510CF. THUS THE VOLUME PROVIDED IS GREATER THAN THE VOLUME REQUIRED.
3. BASIN S IS REQUIRED TO POND THE FIRST FLUSH VOLUME OF 86CF, THE POND VOLUME IS 100CF. THUS THE POND VOLUME PROVIDE IS GREATER THAN THE VOLUME REQUIRED.



GENERAL NOTES:

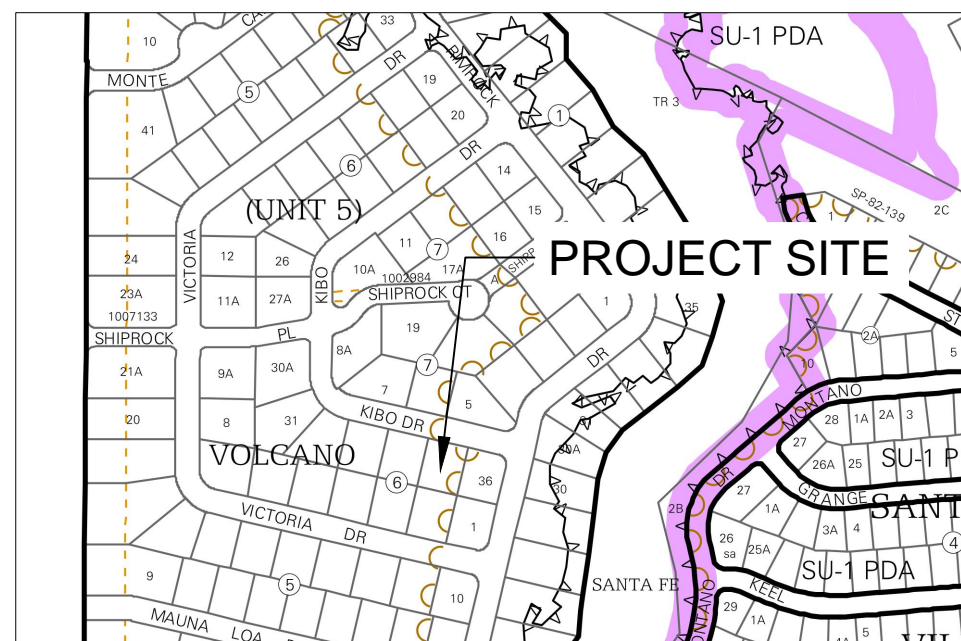
1. THIS SITE IS NOT LOCATED IN A FEMA FLOOD HAZARD ZONE (REFER TO THE FIRM MAP 35001C0113G, EXCERPT ATTACHED).
2. RHD ENGINEERING, LLC RECOMMENDS THAT THE OWNER OBTAIN A GEOTECHNICAL REPORT PRIOR TO DESIGN OF BUILDING FOOTING/FOUNDATION.
3. SLOPE STABILAZATION SHALL BE USED ON SLOPES GREATER THAN A 3:1 SLOPE, PER MANUFACTURER RECOMMENDATIONS.
4. ALL SWPPP REQUIREMENTS SHALL BE ADHERED TO.
5. ALL WORK ON THIS PLAN SHALL BE DONE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARDS. ALL APPLICABLE PERMITS SHALL BE OBTAINED PRIOR TO WORK COMMENCING.
6. ALL WORK IN THE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARDS.
7. THE SURVEY INFORMATION WAS PROVIDED BY MR. DAVID ACOSTA, NMPS 21082, CONSTRUCTION SURVEY TECHNOLOGIES, INC.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



VICINITY MAP: E-10-Z



FIRM MAP: 35001C0113G

LEGAL DESCRIPTION:

LOT 35, BLOCK 6, VOLCANO CLIFFS NO. 2
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. RETAIN THE FIRST .34' OF STORM RUNOFF FROM IMPERVIOUS AREA OF DEVELOPMENT TO CONFORM TO THE WATER QUALITY REQUIREMENTS.

LEGEND

- 46.00
TW=44.00
PROPOSED SPOT ELEVATION
TOP OF WALL ELEVATION
BOTTOM OF WALL ELEVATION
EXISTING CONTOUR
EXISTING INDEX CONTOUR
PROPOSED CONTOUR
PROPOSED INDEX CONTOUR
LOT LINE
RIGHT-OF-WAY
PROPOSED RETAINING WALL
PROPOSED ROCK FACE WALL
EXISTING CURB AND GUTTER
PROPOSED EDGE OF CONCRETE
PROPOSED FLOWLINE
EXISTING WALL
PROPOSED BASIN BOUNDARY

Project: Lot 35, block 6, Volcano Cliffs no. 2				
Drainage Calculations - Zone 1				
Depth (inches) at 100yr Storm				
Zone	P ₆₀	P ₃₆₀	P ₁₄₄₀	P _{15days}
1	1.87	2.20	2.66	3.12
2	2.01	2.35	2.75	3.30
3	2.14	2.60	3.10	3.95
4	2.23	2.90	3.65	4.70
Excess Precipitation, E(inches) - 6 HR				
Zone	A	B	C	D
1	0.44	0.67	0.99	1.97
2	0.53	0.78	1.13	2.12
3	0.66	0.92	1.29	2.36
4	0.80	1.08	1.46	2.64
Peak Discharge (CFS/ACRE) 100 YR				
Zone	A	B	C	D
1	1.29	2.03	2.87	4.37
2	1.56	2.28	3.14	4.70
3	1.87	2.60	3.45	5.02
4	2.20	2.92	3.73	5.25
*****DESIGN CRITERIA*****				
Area	SQ. FT	Acres	% Total	Design Flows (CFS)
A=	0	0.000	0%	A= 0 0.000 0.00
B=	0	0.000	0%	B= 0 0.000 0.00
C=	8400	0.193	70%	C= 8400 0.193 0.55
D=	3600	0.083	30%	D= 3600 0.083 0.36
Total	12000	0.275	100%	Total (CFS) 0.91
Weighted E=	1.284			
*****PROPOSED CONDITIONS BASIN S*****				
Area	SQ. FT	Acres	% Total	Design Flows (CFS)
A=	0	0.000	0%	A= 0 0.000 0.00
B=	0	0.000	0%	B= 0 0.000 0.00
C=	5125	0.118	63%	C= 5125 0.118 0.34
D=	3025	0.069	37%	D= 3025 0.069 0.30
Total	8150	0.187	100%	Total (CFS) 0.64
Weighted E=	1.354			
*****PROPOSED CONDITIONS BASIN N*****				
Area	SQ. FT	Acres	% Total	Design Flows (CFS)
A=	0	0.000	0%	A= 0 0.000 0.00
B=	0	0.000	0%	B= 0 0.000 0.00
C=	2950	0.068	77%	C= 2950 0.068 0.19
D=	900	0.021	23%	D= 900 0.021 0.09
Total	3850	0.088	100%	Total (CFS) 0.28
Weighted E=	1.219			
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A=	0	0.000	0%	A= 0 0.000 0.00
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