

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

July 13, 2021

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

RE: **Lot 28 Block 8 Volcano Cliffs Unit 22 SAD 228
6315 Petirrojo Dr. NW
Grading and Drainage Plan
Engineers Stamp Date 5/10/2021 (D10D003E28)
Pad Certification Date 7/12/2021**

Mr. Soule,

PO Box 1293

Based upon the information provided in your submittal received 7/12/2021, this plan is approved for Building Permit.

Albuquerque

Please inform the builder/owner to attach a copy of this approved plan and this letter 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 and Pad Certification. Also, let the owner/contractor know that if a pool is to be added in the future the G&D plan will need to be modified showing the location of the pool and the land treatment differences.

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: 6315 PETIRROJO **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 28, Block 8 VOLCANO CLIFFS UNIT 22
City Address: 6315 PETIRROJO

Applicant: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924 ALB NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: ___ PLAT RESIDENCE ___ DRB SITE ___ ADMIN SITE

Check all that Apply:

DEPARTMENT:
 HYDROLOGY/ DRAINAGE
 TRAFFIC/ TRANSPORTATION

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
 BUILDING PERMIT APPROVAL
 CERTIFICATE OF OCCUPANCY

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?

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) _____

IS THIS A RESUBMITTAL?: Yes ___ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

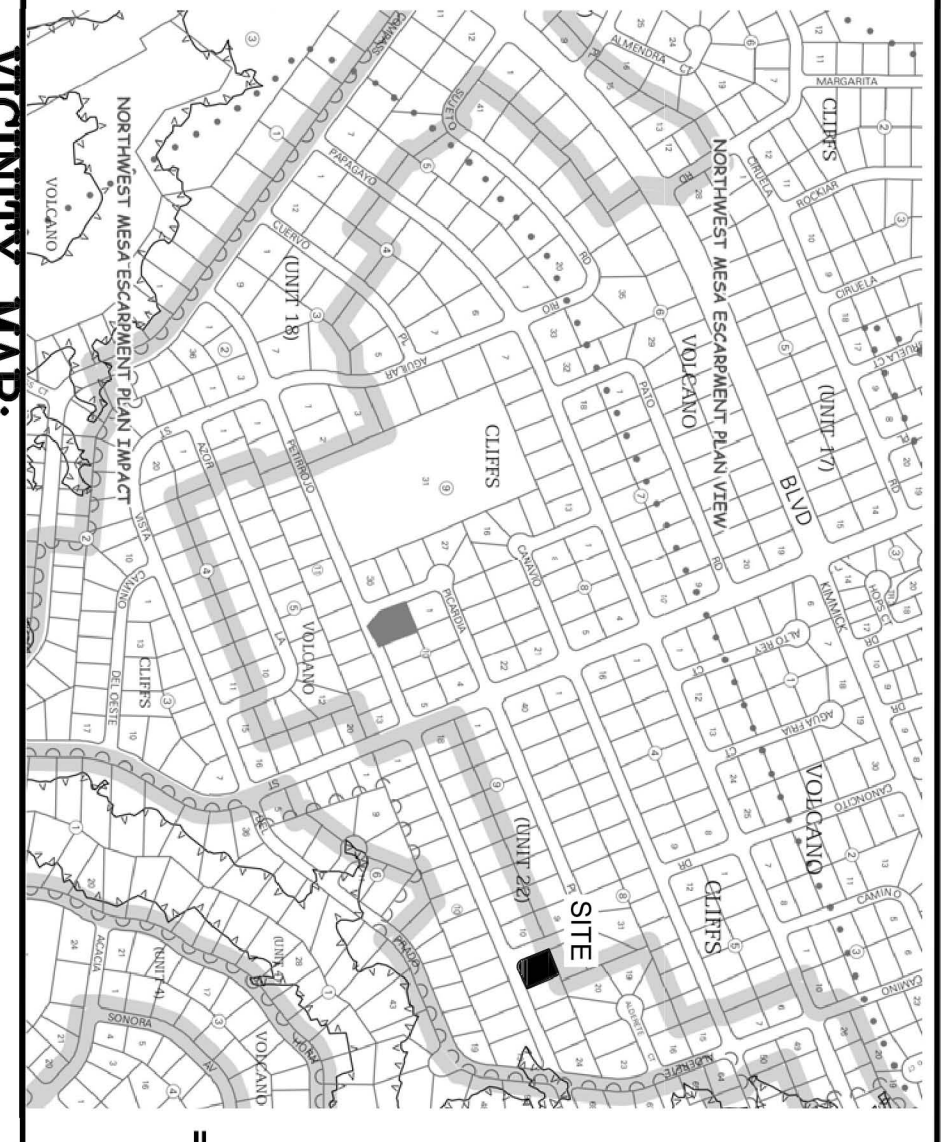
I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 5/10/21



EROSION CONTROL NOTES:

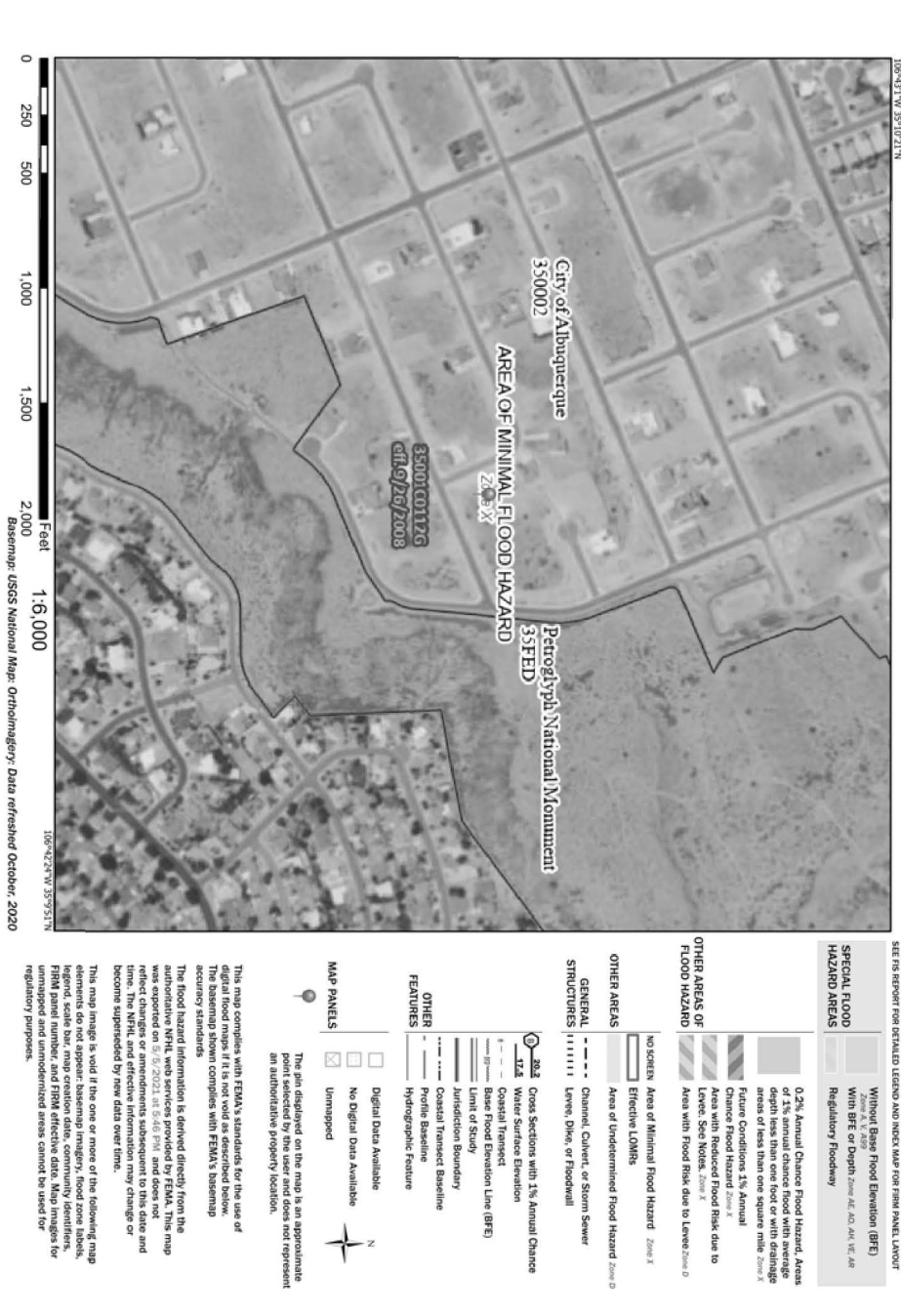
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES 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.

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



VICINITY MAP:

National Flood Hazard Layer Firmette



FIRM MAP:

LEGAL DESCRIPTION:
 LOT 28, BLOCK 8 AND LOT 22, BLOCK 8 VOLCANO CLIFF SUBDIVISION CITY OF ALBUQUERQUE, BERNILLO COUNTY, NEW MEXICO

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

- EXISTING CONTOUR
- - - - EXISTING INDEX CONTOUR
- - - - PROPOSED CONTOUR
- - - - EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- EXISTING CURB AND GUTTER
- PROPOSED EARTHEN SWALE
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE
- PROPOSED PONDING

Asbuilt
LOT 28, BLOCK 8
VOLCANO CLIFF UNIT 22

DATE 06/30/21
 CREW RGR /NMM
 DRAFTING SLN
 GPS VELD
 JN N510-04

Community Sciences Corporation
 Land Surveying
 (505) 897.0000

Weighted E Method

| Basin | Area (sq) | Area (acres) | Treatment A (sq) | % (acres) | Treatment B (sq) | % (acres) | Treatment C (sq) | % (acres) | Treatment D (sq) | % (acres) | Weighted E (ac-ft) | Volume (ac-ft) | Flow (cfs) | 24 Hour Volume (ac-ft) |
|------------|-----------|--------------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|--------------------|----------------|------------|------------------------|
| ALLOWED | 12692.00 | 0.289 | 0 | 0% | 24810.064 | 40% | 61157 | 38% | 0 | 0% | 14116 | 0.133 | 0.91 | 0.032 |
| PROPOSED | 12694.00 | 0.289 | 0 | 0% | 22281.064 | 39% | 0 | 0% | 0 | 0% | 14116 | 0.134 | 0.83 | 0.032 |
| COMPARISON | | | | | | | | | | | | | | |

Equations:

Weighted E = Ea*Pa + Eb*Pb + Ec*Pc + Ed*Pd / (Total Area)

Volume = Weighted E * Total Area

Flow = Qa * Pa + Qb * Pb + Qc * Pc + Qd * Pd

Where for 100-year, 6-hour storm-zone 1
 Ea= 0.55
 Eb= 0.73
 Ec= 0.95
 Ed= 2.24

Qa= 1.54
 Qb= 2.16
 Qc= 2.87
 Qd= 4.12

ONSITE Conditions
 FIRST FLUSH WATER QUALITY VOLUME
 REQUIRED (CF) 0
 PROVIDED (CF) 96

WATER QUALITY
 FLOOD CONTROL 92

This site is within the SUD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway per the master drainage plan. The site does exceed the SUD 228 developed conditions assumptions. Therefore ponding of 92' cfs is required. Upland flow is allowed to enter the site from the adjacent lot. The flows pass through overtopping to historic outfall. We are ponding the water harvest volume generated by the site. This plan is in conformance to the master drainage plan

ENGINEERS
 SEAL
 DAVID SOULE
 REGISTERED PROFESSIONAL ENGINEER
 NEW MEXICO
 LICENSE NO. 14322
 5/10/21

Lot 28 Blk 8 Un 22 VC
6315 Petrojo Road NW
GRADING AND DRAINAGE PLAN

Pio Grande Engineering
 10000 2nd St NW
 ALBUQUERQUE, NM 87189
 (505) 321-5889

DESIGN BY DEM
 DATE 5-4-21
 SHEET # C1
 JOB #

