

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

December 15, 2020

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

RE: **Lot 17 Block 6 SAD 228**
Volcano Cliffs Subdivision Unit 19
6309 Vista Del Prado NW
Grading and Drainage Plan
Engineers Stamp Date 3/29/2020 (D10D003F17)
Pad Certification Date 4/26/2020
CO Certification Dated: 12/10/2020

Dear Mr. Soule,

Based upon the information provided in your submittal received 12/14/2020, this plan cannot be approved for Certificate of Occupancy until the following comments are addressed.

- South side yard and rear yard not following G&D plan. Concrete placed not allowing flows to exit into front yard.
- North side yard missing swale directing flows to front yard.
- Wire trash pen in neighbor's yard, out house in neighbor's yard.
- Pond in SE corner of yard smaller than proposed.

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: 6309 vista del prado **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 17 BLOCK 6 Volcano Cliffs unit 19
City Address: 6309 vista del prado

Applicant: SUN VALLEY HOMES **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 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?

IS THIS A RESUBMITTAL?: _____ Yes ☒ No

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: _____

| Weighted E Method | | | | | | | | | | | |
|-------------------|--------------|-----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-----------------------|
| Basin | Area (sf) | Area (acres) | Treatment A | | Treatment B | | Treatment C | | Treatment D | | Weighted E (ac-ft) |
| | | | % | (acres) | % | (acres) | % | (acres) | % | (acres) | |
| ALLOWED | 12434.00 | 0.285 | 0% | 0 | 20% | 0.057 | 46% | 0.1313 | 34% | 0.097 | 1.259 |
| PROPOSED | 12435.00 | 0.285 | 0% | 0 | 16% | 0.046 | 32% | 0.0913 | 52% | 0.148 | 1.448 |
| COMPARISON | | | | | | | | | | | 0.005 |

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm- zone 1
Ea= 0.44 Qa= 1.29
Eb= 0.67 Qb= 2.03
Ec= 0.99 Qc= 2.87
Ed= 1.97 Qd= 4.37

| | | |
|----------------------------------|-----|---------------|
| ONSITE Conditions | | |
| FIRST FLUSH WATER QUALITY VOLUME | | |
| REQUIRED (CF) | 572 | PROVIDED (CF) |
| WATER QUALITY FLOOD CONTROL | 196 | 572 |

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain the lot to the front street. The land treatments proposed exceed the fully developed conditions set forth within the master drainage plan, therefore we are ponding 572 CF which is in excess of required volume of 179 CF. Due to walls there is no significant upland flow. Minor flow through weep holes is allowed to enter and pass through the site. This plan is in conformance to the master drainage plan.

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 3/29/20. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by DAVID ACOSTA NMPLS#21082. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

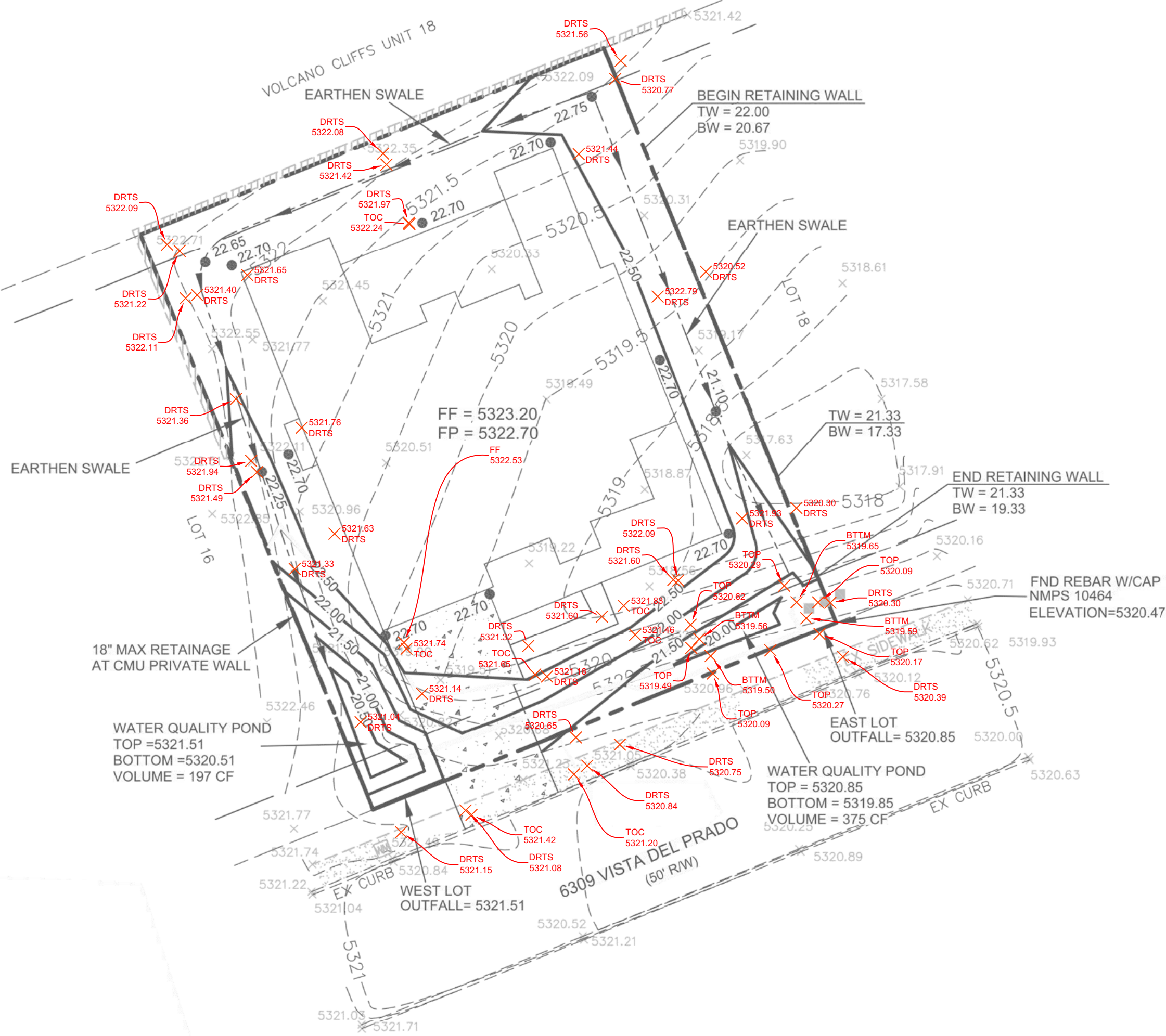


12/10/20

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 3/29/20

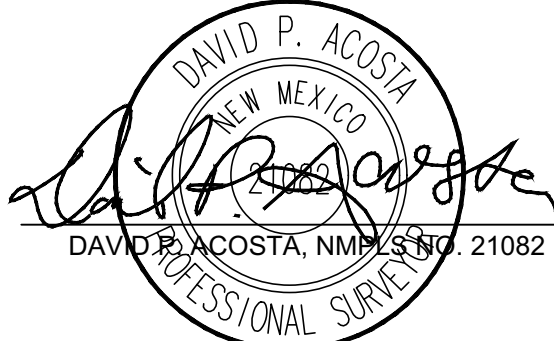


4/26/20



SURVEYOR'S CERTIFICATE:

I, DAVID P ACOSTA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21082, DO HEREBY CERTIFY THAT THIS AS-BUILT SURVEY WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO



12-10-20

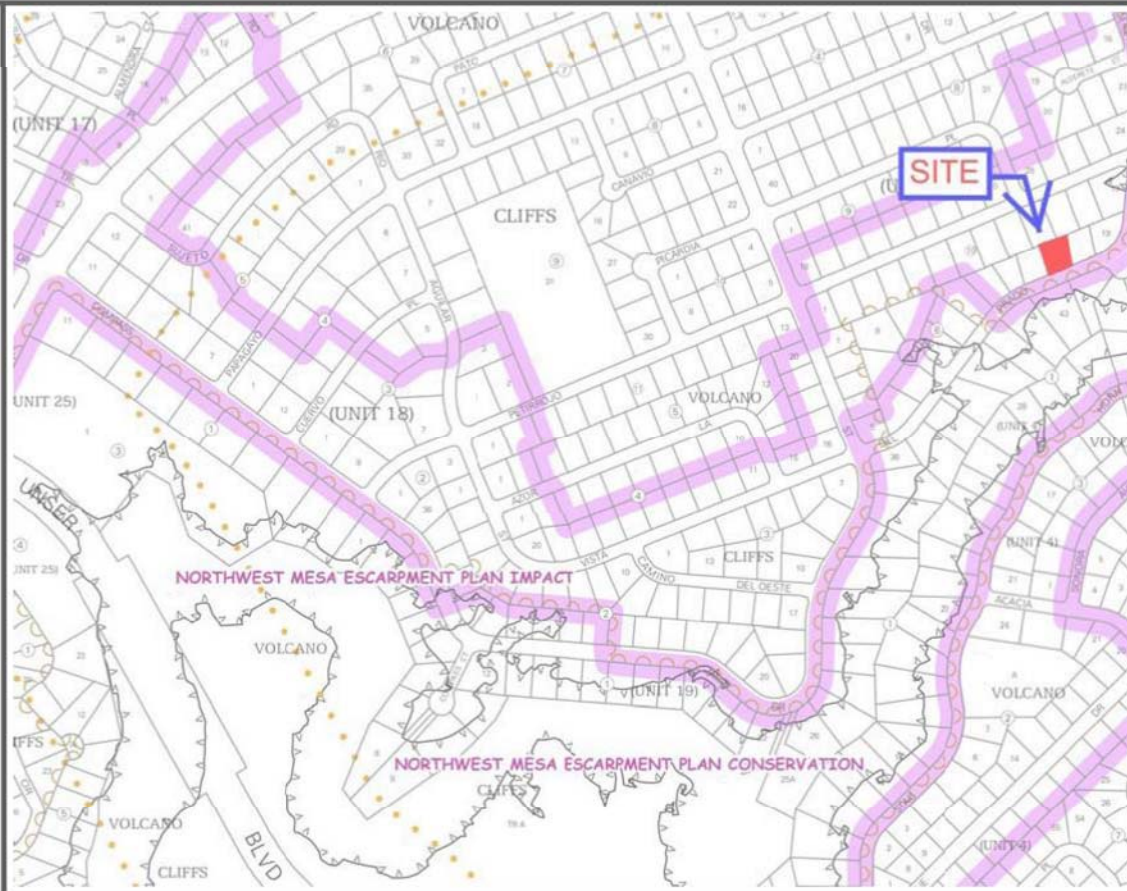
DATE

CAUTION:

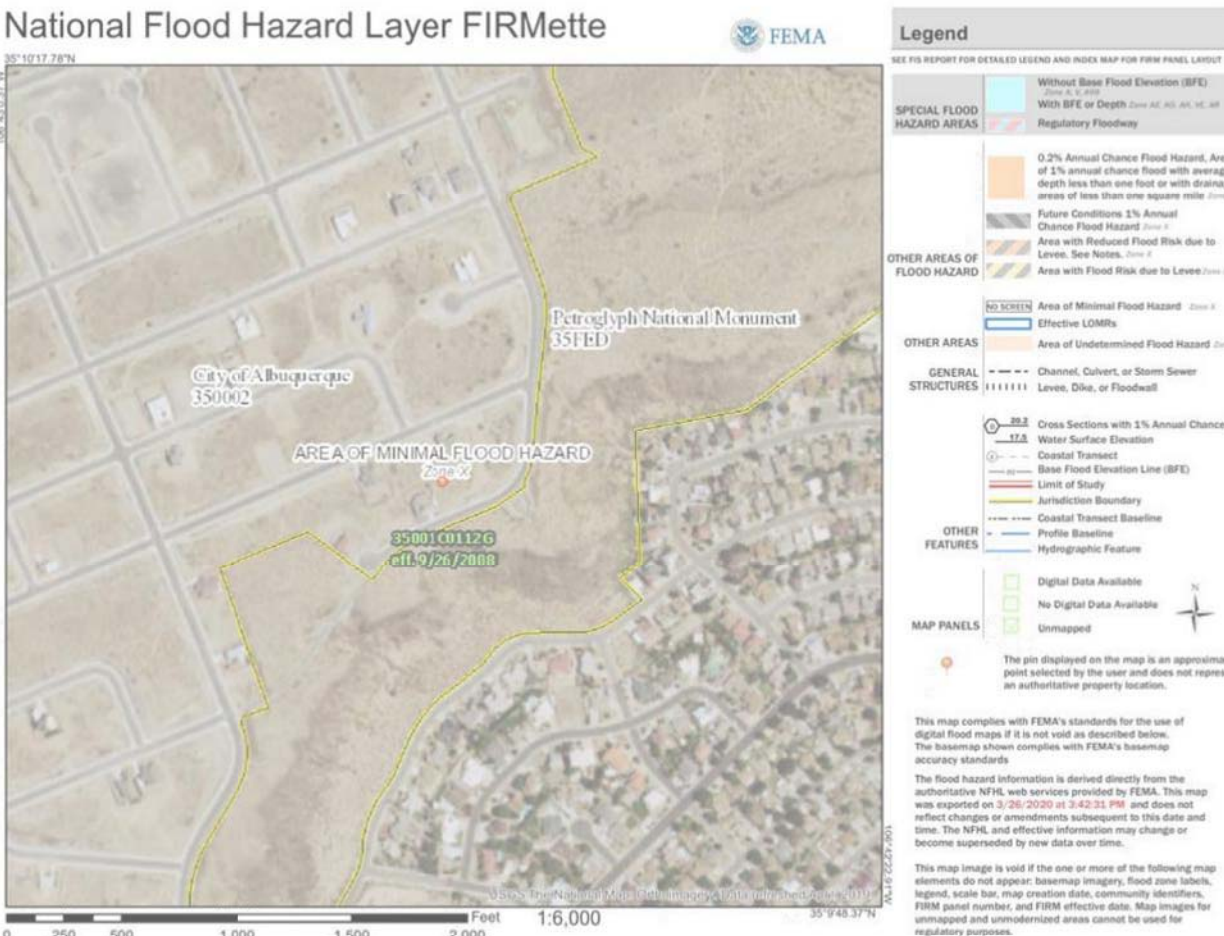
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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.



VICINITY MAP: D-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 17 BLOCK 6 UNIT 19 VOLCANO CLIFFS
CITY OF ALBUQUERQUE, BERNALILLO 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 |
| - - - - - | PROPOSED INDEX CONTOUR |
| + XXXXX | EXISTING SPOT ELEVATION |
| ● XXXX | PROPOSED SPOT ELEVATION |
| --- | BOUNDARY |
| --- | PROPOSED EARTHEN SWALE |
| --- | ADJACENT BOUNDARY |
| ===== | EXISTING CURB AND GUTTER |
| --- | PROPOSED CONCRETE DRIVEWAY |



| | | |
|---|--|--------------------|
| ENGINEER'S SEAL | LOT 17 BLK 6 UN 19 VOLCANO CLIFFS 6309 VISTA DEL PRADO | DRAWN BY DEM |
|  | GRADING AND DRAINAGE PLAN | DATE 3-28-20 |
| 3/29/20 |  <i>Rio Grande Engineering</i> 1608 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0899 | SHEET # C1 |
| DAVID SOULE P.E. #14522 | | JOB # _____ |