

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

November 9, 2020

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

**RE: Lot 8 Block 5 Volcano Cliffs Unit 18 SAD 228
8002Compass Dr. NW
Grading and Drainage Plan
Engineers Stamp Date 10/11/2020 (D10D003K8)
Pad Certification Date 11/6/2020**

Dear Mr. Soule,

PO Box 1293

Based upon the information provided in your submittal received 11/9/2020, 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 dated 3/15/2020 and Pad Certification Date 9/14/2020.

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: 8002 COMPASS DR **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 8B BLOCK 5 VOLCANO CLIFFS UNIT 18
City Address: 8002 COMPASS

Applicant: DERICK SANCHEZ **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

| | | | | | | | | | | 100-Year, 6-hr. | | | |
|------------|--------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-----------------|-----------------------|-------------------|-------------|
| Basin | Area (sf) | Area (acres) | Treatment A | | Treatment B | | Treatment C | | Treatment D | | Weighted E (ac-ft) | Volume (ac-ft) | Flow cfs |
| | | | % (acres) | % (acres) | % (acres) | % (acres) | % (acres) | % (acres) | | | | | |
| ALLOWED | 10890.00 | 0.250 | 0% | 0 | 20% | 0.050 | 46% | 0.115 | 34% | 0.085 | 1.259 | 0.026 | 0.80 |
| PROPOSED | 10890.00 | 0.250 | 0% | 0 | 20% | 0.050 | 29% | 0.0725 | 51% | 0.128 | 1.426 | 0.030 | 0.87 |
| COMPARISON | | | | | | | | | | | | 0.003 | |

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) | PROVIDED (CF) |
|---------------|------------------|------------------|
| WATER QUALITY | 0 | 178 |
| FLOOD CONTROL | 151 | 178 |

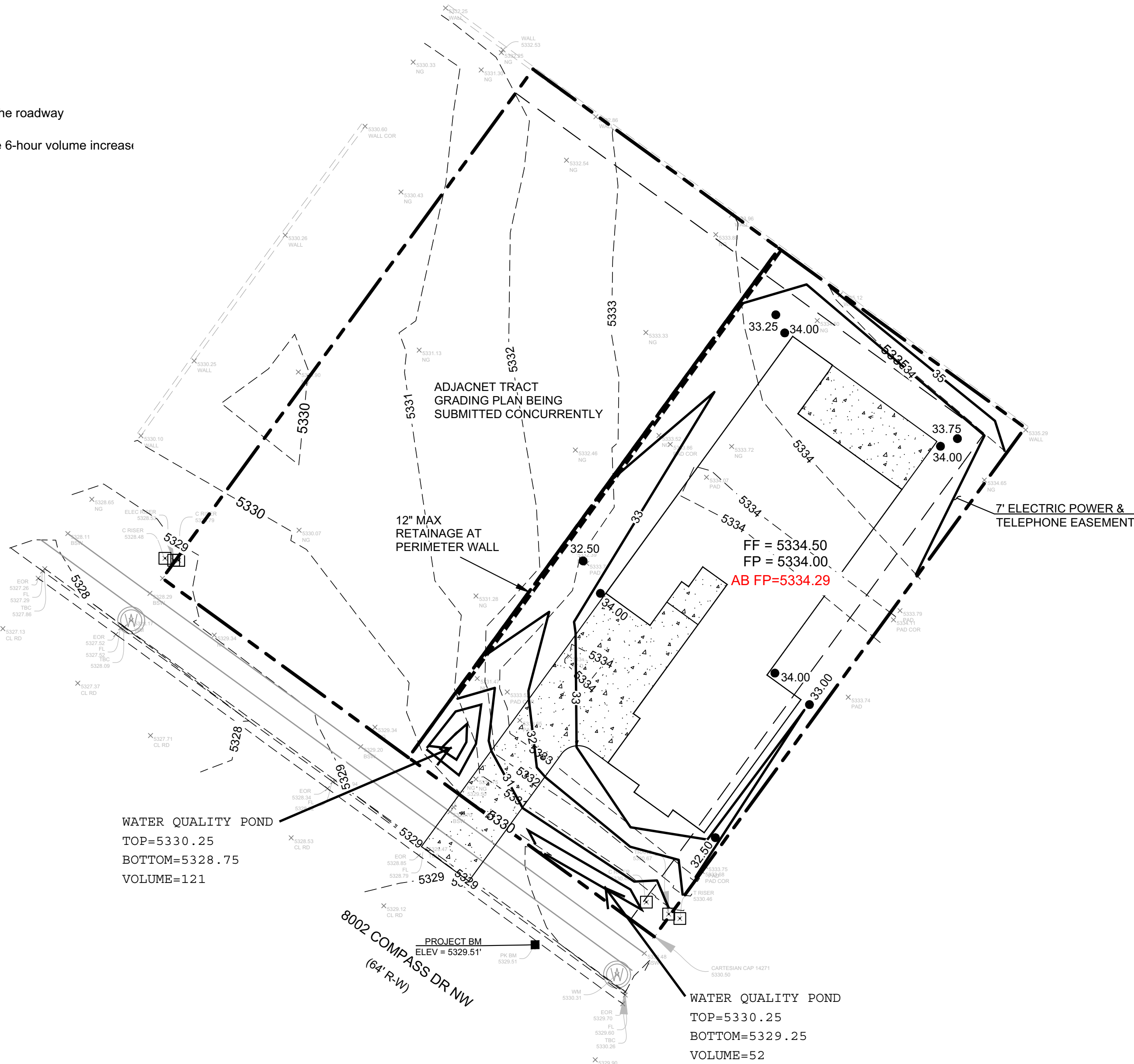
Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the roadway per the master drainage plan. Due to height restrictions we are keeping the pad as low as possible. there is not measurable upland flow. This plan does exceed the allowed impervious area therefore propose to retain the 6-hour volume increase. This plan is in conformance to the master drainage plan

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 10/11/20. THE PAD GRADE WAS CONSTRUCTED .29' ABOVE DESIGN GRADE. OWNER HAS BEEN MADE AWARE OF THIS LOT BEING IN A HEIGHT RESTRICTIVE AREA.



11/6/20

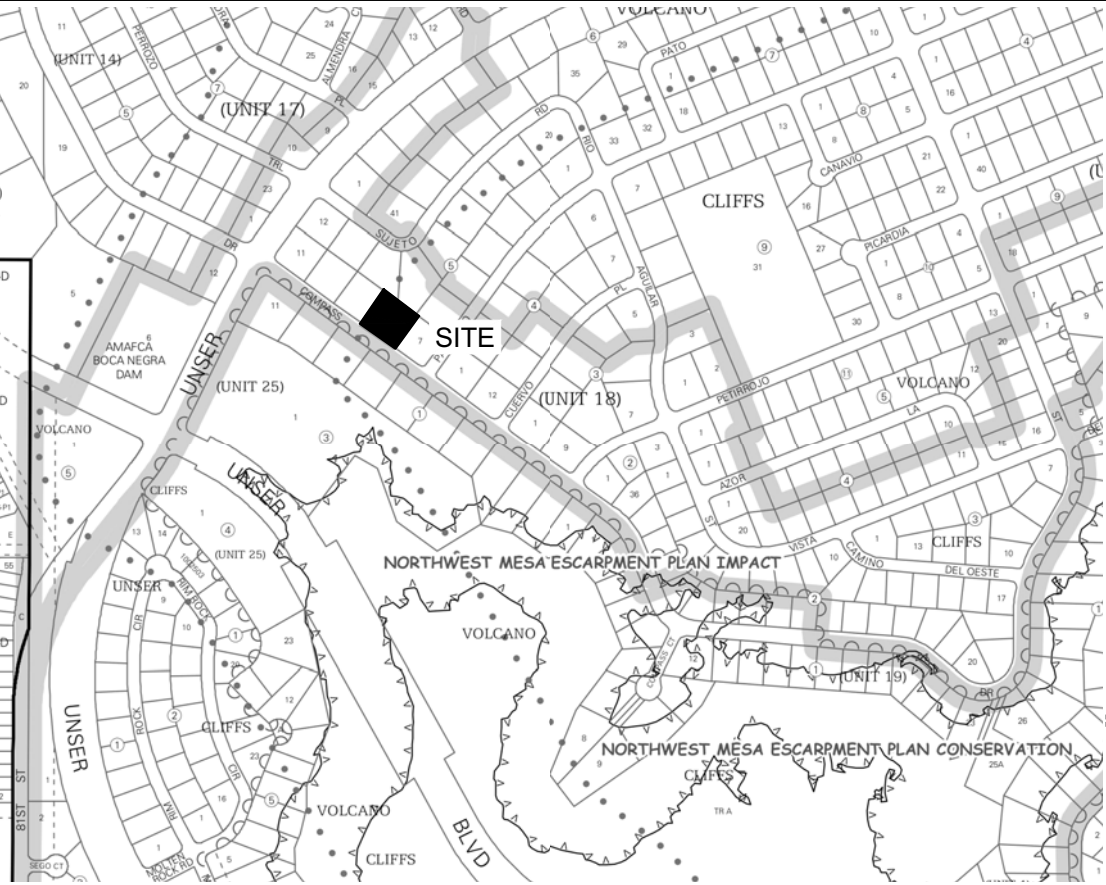


CAUTION:

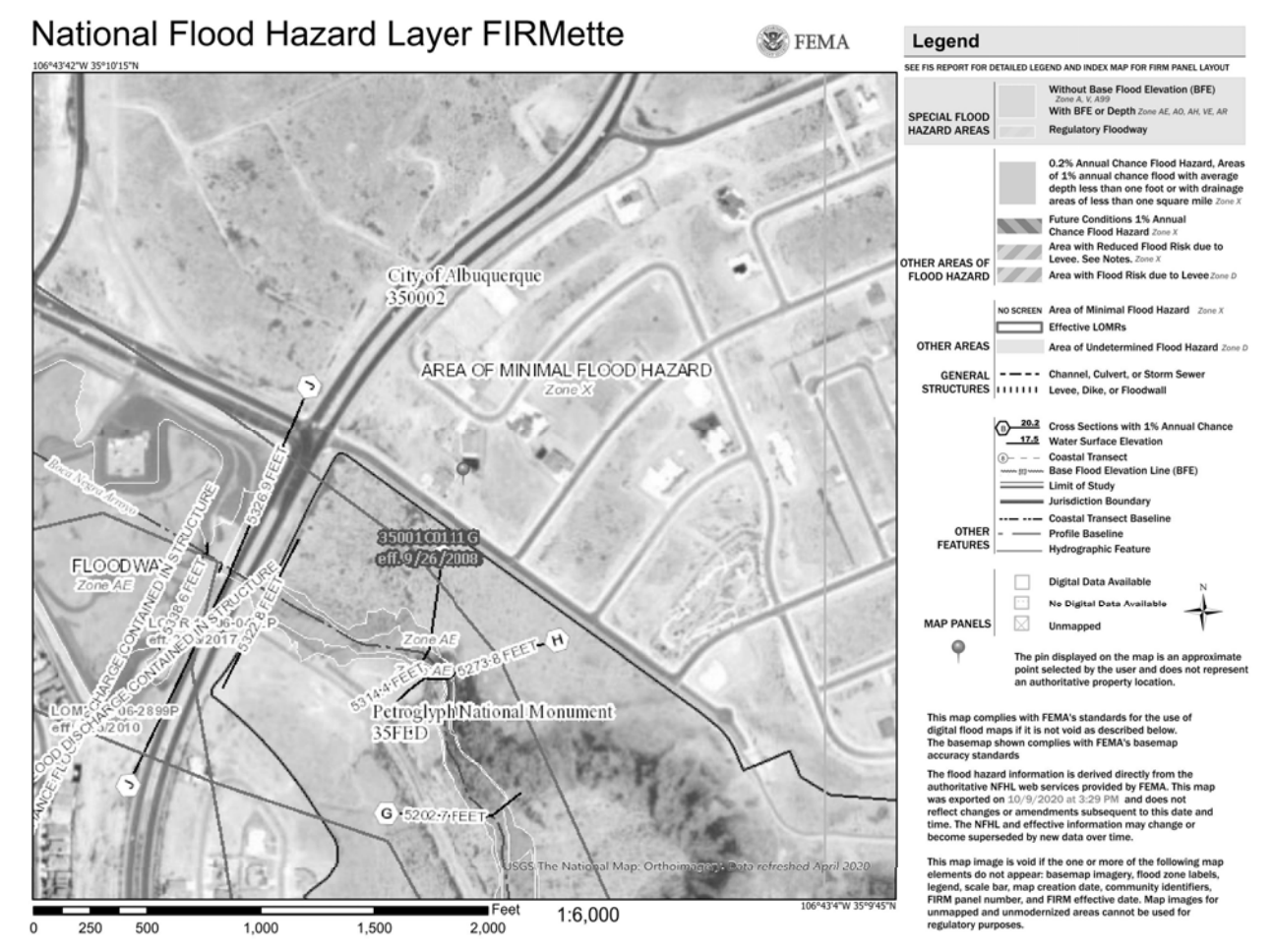
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 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:

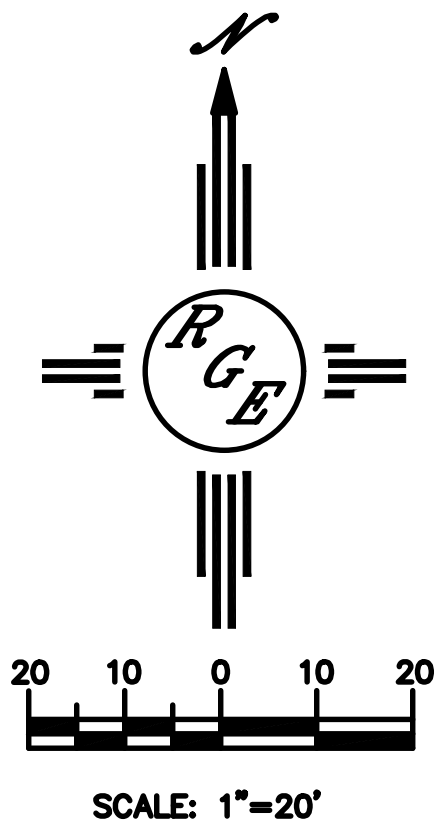
LOTS 8A & 8B BLOCK 5 UNIT 18 VOLCANO CLIFFS SUBDIVISION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

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

LEGEND

| | | | |
|-----|------|-----|--------------------------|
| --- | XXXX | --- | EXISTING CONTOUR |
| --- | XXXX | --- | EXISTING INDEX CONTOUR |
| --- | XXXX | --- | PROPOSED CONTOUR |
| --- | XXXX | --- | PROPOSED INDEX CONTOUR |
| + | XXXX | + | EXISTING SPOT ELEVATION |
| ● | XXXX | ● | PROPOSED SPOT ELEVATION |
| --- | --- | --- | BOUNDARY |
| --- | --- | --- | PROPOSED EARTHEN SWALE |
| --- | --- | --- | ADJACENT BOUNDARY |
| == | == | == | EXISTING CURB AND GUTTER |
| --- | --- | --- | PROPOSED GRAVEL DRIVEWAY |
| --- | --- | --- | PROPOSED PERIMETER WALL |



| | | |
|----------------------------|--|-------------------------|
| ENGINEER'S SEAL | LOTS 8B BLK 5 U 18 VC 8002 COMPASS DR NW GRADING AND DRAINAGE PLAN | DRAWN BY DEM |
| | | DATE 10-10-20 |
| DAVID SOULE P.E. #14522 | 10/11/20 | 8A 8B BLK 5 U 18 VC.DWG |
| | | SHEET # C1 |
| DAVID SOULE P.E. #14522 | 10/11/20 | JOB # |
| | | |