

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

June 19, 2020

Sheldon Greer, P.E.  
RESPEC  
5971 Jefferson St. NE Suite 101  
Albuquerque, New Mexico 87109

RE: **Lot 27 Block 1 Volcano Cliffs Unit 22 SAD 228  
8009 Canoncito Dr. NW  
Grading and Drainage Plan  
Engineers Stamp Date 5/12/2020 (D10D003N27)**

Mr. Greer,

Based upon the information provided in your submittal received 6/17/2020, this plan is approved for Grading Permit.

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

**Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.**

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, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.**

**Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist 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

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

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

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

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

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

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

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

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

**Owner:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

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

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

**TYPE OF SUBMITTAL:** \_\_\_\_\_ PLAT (\_\_\_\_# OF LOTS) \_\_\_\_\_ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

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

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

Check all that Apply:

### TYPE OF SUBMITTAL:

- \_\_\_\_\_ ENGINEER/ARCHITECT CERTIFICATION
- \_\_\_\_\_ PAD CERTIFICATION
- \_\_\_\_\_ CONCEPTUAL G & D PLAN
- \_\_\_\_\_ GRADING PLAN
- \_\_\_\_\_ DRAINAGE MASTER PLAN
- \_\_\_\_\_ DRAINAGE REPORT
- \_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- \_\_\_\_\_ ELEVATION CERTIFICATE
- \_\_\_\_\_ CLOMR/LOMR
- \_\_\_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)
- \_\_\_\_\_ TRAFFIC IMPACT STUDY (TIS)
- \_\_\_\_\_ 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: \_\_\_\_\_

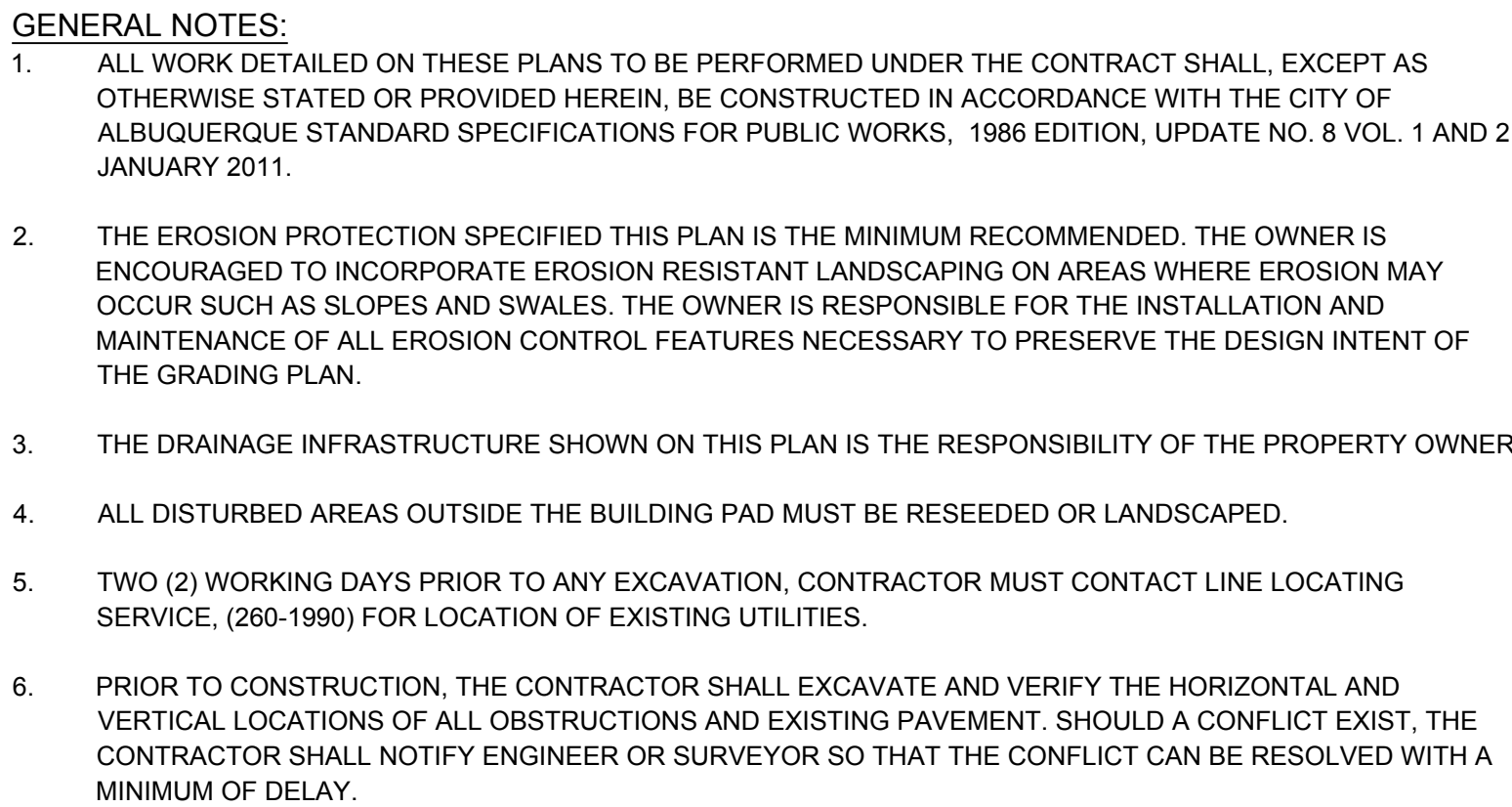
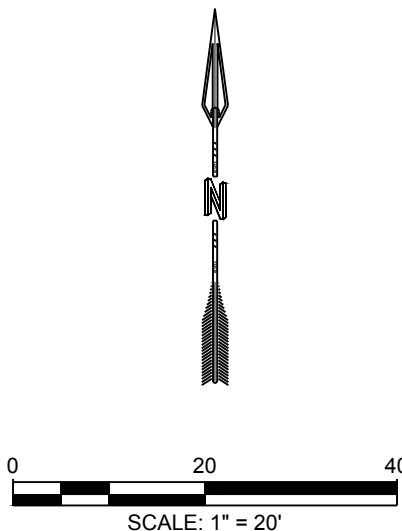
FEE PAID: \_\_\_\_\_



|  |                                  |                                 |                                  |   |  |  |  |  |  |  |  |
|--|----------------------------------|---------------------------------|----------------------------------|---|--|--|--|--|--|--|--|
| <b>TABLE 2. WATER QUALITY STORM EVENT RUNOFF RATE AND VOLUME AS A PERCENT OF IMPERVIOUS AREA FOR 40-ACRE AND SMALLER SITES</b> |                                  |                                 |                                  | Existing Conditions: The existing site is not within a designated flood zone. The site surface drains to Agua Fria Cn NW. |  |  |  | Proposed Conditions: The proposed site improvements will include the construction of a single family residence with landscaping and onsite improvements. In accordance with the SUD 228 drainage management plan for unit 19, the runoff will free discharge allowable discharge.  |  |  |  |
| <b>Percent Impervious<br/>(%D)</b>   | <b>Runoff Depth<br/>(inches)</b> | <b>Runoff Rate<br/>(cfs/ac)</b> | <b>Runoff Volume<br/>(cubic)</b> |   |  |  |  | The allowable discharge was determined by analysis of the basin including the lot. The land use percentages of the basin were apportioned between roadways and lots based on area. The roof, driveway, and an additional 1500 SQ. FT. for structure improvements are included in the impervious area percentage for the lot. |  |  |  |
| 0  | 0                                | 0                               | 0                                |   |  |  |  |  |  |  |  |
| 20   | 0.09                             | 0.5                             | 327                              |   |  |  |  |  |  |  |  |
| 40   | 0.18                             | 0.8                             | 653                              |   |  |  |  |  |  |  |  |
| 60   | 0.27                             | 1.2                             | 980                              |   |  |  |  |  |  |  |  |
| 80   | 0.36                             | 1.35                            | 1037                             |   |  |  |  |  |  |  |  |
| 100  | 0.46                             | 1.5                             | 1670                             |   |  |  |  |  |  |  |  |

|                             |                        |                    |                        |       |  |       |       |       |        |                                      |   |
|-----------------------------|------------------------|--------------------|------------------------|-------|--|-------|-------|-------|--------|--------------------------------------|---|
| <b>Table Interpolation:</b> | Site Area<br>(sq. ft.) | Site Area<br>(ac.) | Imp. Area<br>(Sq. ft.) | % Imp | Runoff Vol.<br>(per ac.)                   |       |       |       |        |                                      |   |
|                             |                        |                    |                        |       | 0-20                                       | 20-40 | 40-60 | 60-80 | 80-100 |                                      |   |
|                             |                        |                    |                        |       |  |       |       |       |        |                                      |   |
|                             | 13994                  | 0.32               | 5400                   | 38.6% | 38.6                                       | 0     | 630.0 | 0     | 0      | 0                                    | - |
|                             |                        |                    |                        |       | Total Water Quality Volume Required: 630.0 |       |       |       |        | 1.40 Inches of runoff from Imp. Area |   |
|                             |                        |                    |                        |       | Provided: 0.0                              |       |       |       |        |                                      |   |

| Name   | Cut Factor | Fill Factor | 2d Area          | Cut          | Fill            | Net                   |
|--------|------------|-------------|------------------|--------------|-----------------|-----------------------|
| VOL FG | 1.00       | 1.00        | 13994.13 Sq. Ft. | 9.86 Cu. Yd. | 1535.80 Cu. Yd. | 1525.95 Cu. Yd.<Fill> |
| Totals |            |             | 13994.13 Sq. Ft. | 9.86 Cu. Yd. | 1535.80 Cu. Yd. | 1525.95 Cu. Yd.<Fill> |



**NOTE:**  
THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES. MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE ARE OF WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

**NOTE:**  
THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

**NOTE:**  
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RESPEC INC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING OF WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR **CLEANING AL 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 RESPONSIBILITIES OF THE CONTRACTOR.**
5. **ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.**

1. EXISTING PROPERTY LINE
2. EXISTING 10' P.U.E.
3. EXISTING STANDARD CURB AND GUTTER
4. EXISTING SIDEWALK
5. PAD EXTENTS
6. HIGH POINT OF SWALE
7. SWALE
8. MATCH DRIVEWAY TO BACK OF EXISTING SIDEWALK
9. IF PERIMETER WALL INSTALLED THEN PROVIDE TURNED BLOCK TO ALLOW FOR GROSS LOT DRAINAGE
10. PROPOSED DRIVEWAY LOCATION DRIVEWAY PERMIT BY OTHERS
11. EXISTING ADJACENT TO PROPERTY (RETAINING WALL MAY HAVE TO BE ADJUSTED WHEN EXISTING WALL ARE ENCOUNTERED.)
12. RUNDOWN