

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

September 22, 2017

Reza Afaghpour, PE
SBS Construction and Engineering, LLC
10209 Snowflake Ct NW
Albuquerque, NM 87114

**Re: Lot 13 Block 6 Volcano Cliffs Unit 5
8015 Victoria Dr. NW
Grading & Drainage Plan
Engineer's Stamp dated: 9-12-17 (E10D038)**

Dear Mr. Afaghpour,

Based upon the information provided in your submittal received 9/22/2017, this plan is approved for Grading Permit.

Please inform the builder/owner to attach a copy of this approved plan to 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 dated 9/12/17.

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer with pad cert language or a registered Land Surveyor with as build spot elevations.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3698.

Sincerely,

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

RR/JDH
C: email



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

Project Title: Lot 13, Blk 6, Volcano Cliffs Sub, Unit 5 Building Permit #: _____ Hydrology File #: E10D037
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: Lots 12 and 13, Block 6, Volcano Cliffs Subdivision, Unit 5
City Address: 8015 Victoria Dr. NW

Applicant: SBS CONSTRUCTION AND ENGINEERING, LLC Contact: SHAWN BIAZAR
Address: 10209 SNOWFLAKE CT., NW, ALBUQUERQUE, NM 87114
Phone#: (505) 804-5013 Fax#: (505) 897-4996 E-mail: AECLLC@AOL.COM

Other Contact: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

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

PRE-DESIGN MEETING?

_____ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 9-13-2017 By: SHAWN BIAZAR

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

Location
Lots 13, Block 6, Volcano Cliffs Subdivision, Unit 5 are located at ~8015 Victoria Dr. NW containing 0.284 acres. See attached portion of Vicinity Map E-10-Z for exact location.

Purpose
The purpose of this drainage report is to present a grading and drainage solution for new buildings and improvements for both Lot 13.

Existing Drainage Conditions
This site falls within Master Drainage Plan for S&D 227. Both lots drain north and west. Minor off-site runoff enters Lot 13 from the south. No other off-site flows enter this site.

Proposed Conditions and On-Site Drainage Management Plan
Most of the runoff under the developed conditions will drain to the front to Victoria Dr. NW. Some runoff will drain to the back and out north and west through some turned blocks. There are first flush ponds located at both the front and back of Lot 13 at discharge points. First flush volume requirement for Lot 13 is 134.76 cf and total volume (ponds C and D) is 716.50 cf.

FLOW, 1ST FLUSH, 100 YEAR/DAY VOLUME CALCULATIONS

$F = EA(AA) + EB(AB) + EC(AC) + ED(AD)$

$AA = AB + AC + AD$

$V-360 = E(AA + AB + AC + AD)$

$Q-360 = QA(AA) + QB(AB) + QC(AC) + QD(AD)$

$V-10 Day = V-360 + AD (P-10 Day - P-360) / 12 \text{ mth}$

$EA = 0.44 QA + 1.29 EB + 0.67 QB + 2.03 EC + 0.99 QC + 2.87 ED - 1.97 QD = 4.37$

DRAINAGE BASIN:

LOT 12 AREA = 13,208.40 (SF) = 0.30322 (AC)
LOT 13 AREA = 12,413.69 (SF) = 0.28498 (AC)

LAND TREATMENT:

ALLOWABLE PER S&D 227
AA = 12.00% 0.00% (0 SF)
AB = 13.00% 28.00% (3,475.83 SF)
AC = 39.00% 28.00% (3,475.83 SF)
AD = 34.00% 44.00% (5,462.03 SF)

LOT 13
Q = 0.94 CFS (ALLOWABLE)
Q = 0.94 CFS (PROPOSED)
V (1ST FLUSH REQUIRED) = 154.76 CF
V-10 DAY (ALLOWABLE) = 1,767.92 CF
V-10 DAY PROPOSED = 2,046.60 CF
V (PROVIDED) = 716.50 CF

