

# CITY OF ALBUQUERQUE

Planning Department  
David Campbell, Director



Mayor Timothy M. Keller

July 8, 2019

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

**Re: Lot 18 Block 38 Volcano Cliffs Subd. SAD 228  
6636 Sujeto Rd NW  
Grading & Drainage Plan  
Engineer's Stamp dated: 6-28-19 (D10D003K15)**

Dear Mr. Afaghpour,

Based upon the information provided in your submittal received 7/3/2019, this plan is approved for Building Permit.

PO Box 1293

Please inform the builder/owner to attach a copy of this approved plan and letter to the construction sets in the permitting process prior to sign-off by Hydrology.

Albuquerque

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.

NM 87103

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 924-3986 or Rudy Rael at 924-3977.

www.cabq.gov

Sincerely,

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

RR/JDH  
C: file D10D003K15



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 6636 SUJETO ROAD., NW Building Permit #: \_\_\_\_\_ Hydrology File #: D10D003K15  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: LOT 18, BLOCK 38, VOLCANO CLIFF, UNIT 18  
City Address: 6636 SUJETO ROAD, 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: \_\_\_\_\_

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT (# of lots)  RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

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

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

Check all that Apply:

**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?

**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: 7-2-2019 By: SHAWN BIAZAR

COA STAFF: \_\_\_\_\_

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

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

**Location**  
 Lot 15, Block 5, Volcano Cliffs Subdivision, Unit 18 is located at 6636 Sujeto Rd., NW containing 0.6910 acre. 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 Lot 15.

**Existing Drainage Conditions**  
 This site falls within Master Drainage Plan for SAD 228. This lot drains north. No offsite runoff enters this site. There are existing block walls along west and east.

**Proposed Conditions and On-Site Drainage Management Plan**  
 This site is to maintain existing pattern drain to the north per master drainage plan. We are ponding the water harvest volume generated by this site, this plan has shallow water harvesting pond in excess of drainage regulation.

**FLOW, 1ST FLUSH, 100 YR/10-DAY VOLUME CALCULATIONS**

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

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

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

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

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

**DRAINAGE BASIN:**

LOT 15 AREA = 30,097.89 (SF) = 0.6910 (AC)

**LAND TREATMENT:**

ALLOWABLE PER SAD 228      ROPOSED LOT 15

AA = 0.00%	0.00%
AB = 10.00%	35.00%
AC = 40.00%	35.00%
AD = 50.00%	30.00%

BASIN	AREA (SP)	AREA (AC)	Treatment				100 YEAR, 6-HR.		Weighted Volume (ac-ft)	Flow cfs			
			% (acre)	% (acre)	% (acre)	% (acre)	Volume (ac-ft)	Flow cfs					
ALLOWED	30,097.89	0.6910	0%	0.00	10%	0.0691	40%	0.2784	50%	0.3455	1.4480	0.083	2.44
PROPOSED	30,097.89	0.6910	0%	0.00	35%	0.2419	35%	0.2419	30%	0.2073	1.1720	0.0675	2.09

**PONDING VOLUME REQUIREMENTS (90TH PERCENTILE/FIRST FLUSH)**

VOLUME REQUIRED = 0.34 INCHES x IMPERVIOUS AREA = (0.34/12 x 7,900.00) = 223.83 CF

**PONDING VOLUME CALCULATION**

TOTAL POND AREA PROVIDED = PONDING CALCULATIONS:

POND A:  
 AREA @ ELEV. 28.25 = 564.33 SF  
 AREA @ ELEV. 27.50 = 395.55 SF  
 POND VOLUME = (564.33 + 395.55) / 2 \* 0.75 = 359.94 CF

POND B:  
 AREA @ ELEV. 29.25 = 188.37 SF  
 AREA @ ELEV. 28.50 = 57.00 SF  
 POND VOLUME = (188.37 + 57.00) / 2 \* 0.75 = 92.01 CF

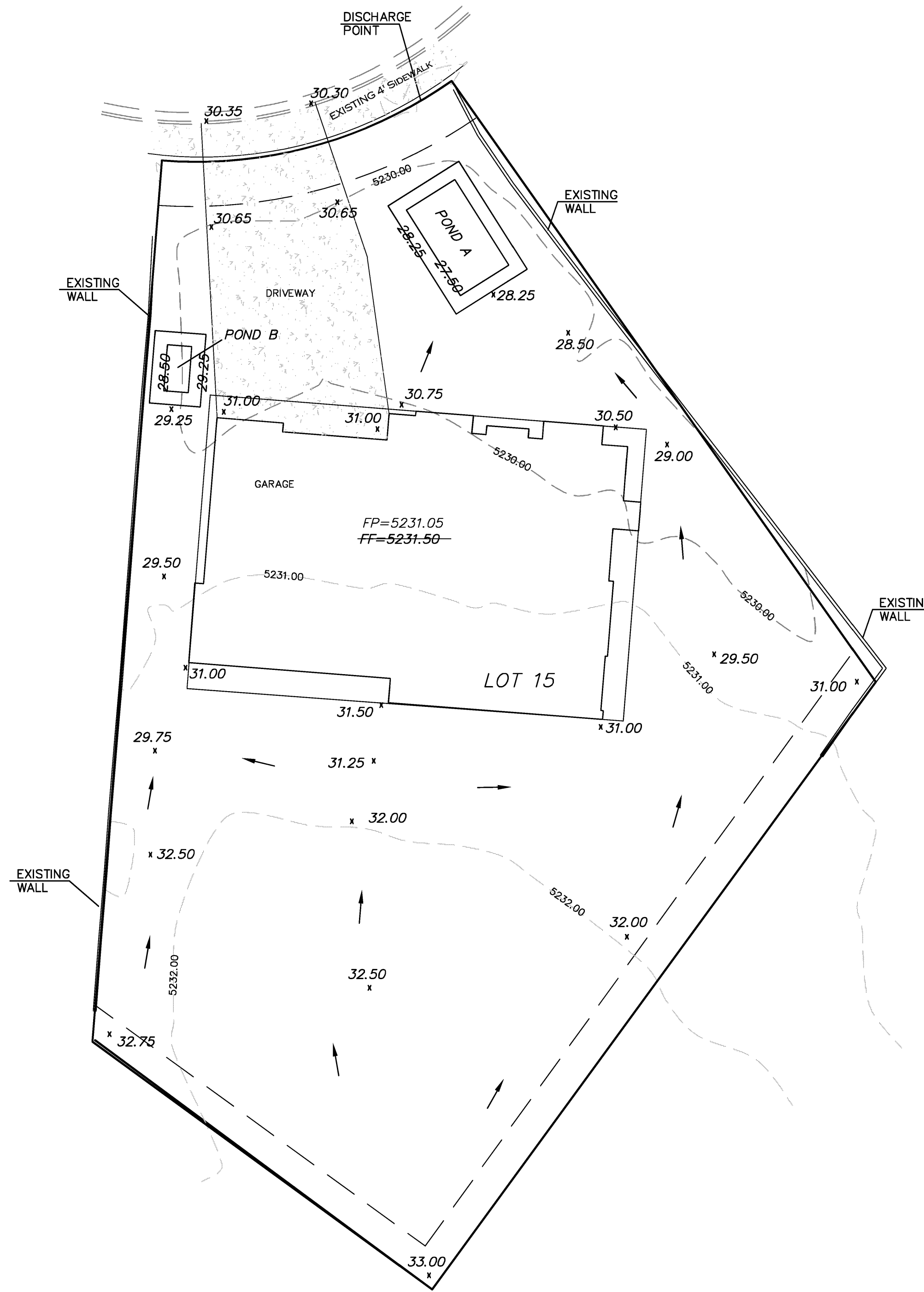
TOTAL PONDING VOLUME PROVIDED = 451.96 CF

**DRAINAGE CERTIFICATION**

I, REZA AFAGHPUR, NMPE 11814, OF SBS CONSTRUCTION AND ENGINEERING, LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 04-28-2019. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY NMPS 9801 LEONARD MARTINEZ, OF SBS CONSTRUCTION AND ENGINEERING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINISH PAD CERTIFICATE.

THE RECORD INFORMATION PRESENTED HEREON 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.

REZA AFAGHPUR, NMPE 11814      06/28/2019      DATE

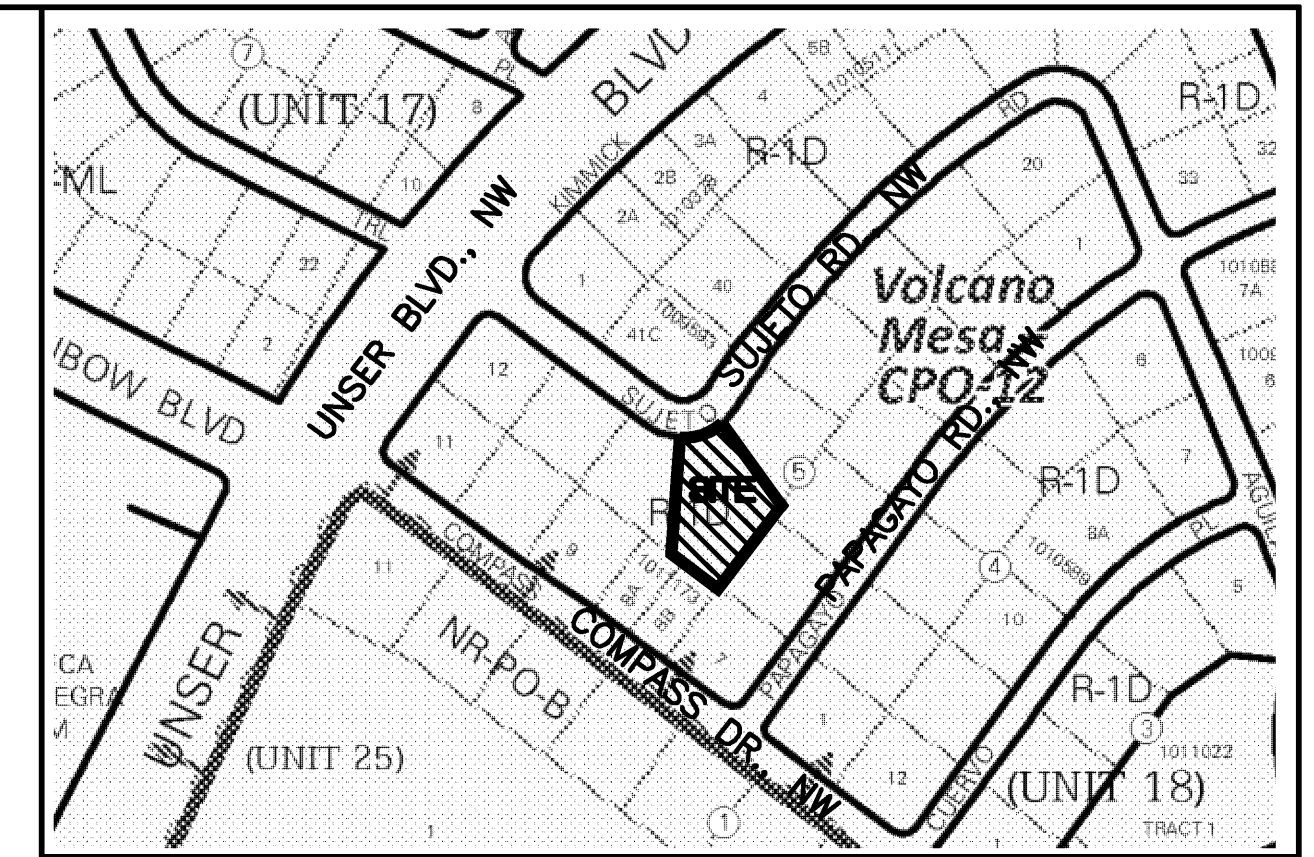


- NOTICE TO CONTRACTORS**
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
  2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
  3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL FOR LOCATING SERVICE, 280-1990 OR "811", FOR LOCATION OF EXISTING UTILITIES.
  4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
  5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
  6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
  7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

- GENERAL NOTES:**
1. CONTOUR INTERVAL IS HALF (1.00) FOOT.
  2. ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION CAL\_SAT\_A, HAVING AN ELEVATION OF 5329.531 FEET ABOVE SEA LEVEL.
  3. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
  4. THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
  5. SLOPES ARE AT 3:1 MAXIMUM.
  6. ADD 5300 TO ALL PROPOSED SPOT ELEVATIONS.

**EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION 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: FM35001C0113G

**LEGAL DESCRIPTION:**  
 Lots 15, Block 5, Volcano Cliffs Subdivision, Unit 18  
 ADDRESS: 6636 SUJETO RD., NW

**LEGEND**

---5030---	EXISTING CONTOUR (MAJOR)
---5029---	EXISTING CONTOUR (MINOR)
---	BOUNDARY LINE
x 28.50	PROPOSED SPOT ELEVATION
x 5029.16	EXISTING GRADE
x 5075.65	EXISTING FLOWLINE ELEVATION
█	PROPOSED RETAINING WALL
BC=89.08	BOTTOM OF CHANEL
TF=28.50	TOP OF FOOTING
TRW=28.00	TOP OF RETAINING WALL
HP	HIGH POINT
86.65	AS-BUILT GRADES
85.47	AS-BUILT SPOT ELEVATIONS
x 5325.64	AS-BUILT SPOT ELEVATIONS
FF=5326.60	AS-BUILT SPOT ELEVATIONS
FP=5325.90	AS-BUILT SPOT ELEVATIONS

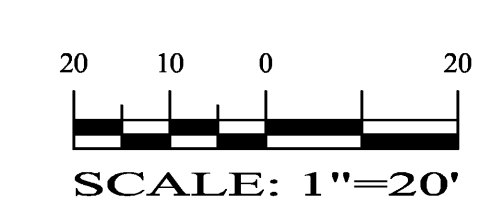


REZA AFAGHPUR  
 P.E. #11814

**SBS CONSTRUCTION AND ENGINEERING, LLC**

10209 SNOWFLAKE CT., NW  
 ALBUQUERQUE, NEW MEXICO 87114  
 (505)804-5015

**GRAPHIC SCALE**



Lots 15, Block 5, Volcano Cliffs Subdivision, Unit 18  
 6636 Sujeto Road, NW  
 GRADING PLAN

DRAWING: 201912-GD.DWG	DRAWN BY: SH-B	DATE: 4-28-19	SHEET # 1
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LAST REVISION: 4-28-2019