

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

August 11, 2023

Shawn Biazar
SBS Construction and Engineering, LLC
10209 Snowflake Ct. NW
Albuquerque, NM 87114

**RE: 1756 Cliffside Dr. NW
Grading & Drainage Plan
Engineer's Stamp Date: 07/13/23
Hydrology File: H11D015C**

Dear Mr. Biazar:

Based upon the information provided in your submittal received 08/03/2023, the Grading & Drainage Plan is approved for Grading Permit (earthwork can get started for the earth pad on the house) and for action by the Development Hearing Officer (DHO) on Preliminary/Final Plat.

PRIOR TO BUILDING PERMIT:

1. Once the grading is complete, a pad certification (meaning that the earthwork and retaining walls are complete) will be required. Please include a site photo with the submittal. Also, at the time of pad certification approval, Hydrology will concurrently approve the Grading & Drainage Plan for Building Permit.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



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: _____

Location

This project is located at SE corner of 1756 Cliffside Drive N.W. & Cascade Place NW and contains 0.4658 acre. See attached portion of Vicinity Map H-11-Z for exact location.

Purpose

The purpose of this drainage report is to present a grading and drainage solution for the replat and the proposed house on Lot A-26-A. Lot A-26-B will provide a grading plan in the future prior to building permit.

Existing Drainage Conditions

This site drains from east to west.

Proposed Conditions and On-Site Drainage Management Plan

There is a proposed house on Lot A-26-A and the lot is designed to drain to Cascade Place. Lot A-26-B drainage pattern will remain the same. The site will be graded to drain a temporary retention pond until a future house grading and Drainage plan is submitted to City Hydrology for building permit approval. The required retention pond is 419.15 cf, and the proposed pond is 564.66 cf.

RUNOFF CALCULATIONS

BASIN	AREA (SF)	AREA (AC)	AREA (MI ²)
LOT A-26-A	13,400.47	0.30763	0.000481
LOT A-26-B	6,890.16	0.15818	0.000247

E = $\frac{EA(AA) + EB(AB) + EC(AC) + ED(AD)}{AA + AB + AC + AD}$

EA = 0.55
EB = 0.73
EC = 0.95
ED = 2.24

P-60 = 1.69
P-360 = 2.17
P-1440 = 2.49
P-10 Day = 3.90

PROPOSED LAND TREATMENTS

LOT A-26-A	LOT A-26-B
AA = 0.00%	AA = 0.00%
AB = 27.00%	AB = 100.00%
AC = 20.00%	AC = 0.00%
AD = 53.00%	AD = 0.00%
LOT A-26-A	LOT A-26-B
E = 1.46 IN	E = 0.73 IN
V-360 = 0.0335 AC-FT	V-360 = 0.0096 AC-FT
V-360 = 1,460.20 CF	V-360 = 419.15 CF
	AD = 0.0
	V-10 DAY = 419.15 CF

A = 1.54 CFS/AC
B = 2.16 CFS/AC
C = 2.87 CFS/AC
D = 4.12 CFS/AC

TOTAL QP = $QPA \cdot AA + QPB \cdot AB + QPC \cdot AC + QPD \cdot AD$

LOT A-26-A	LOT A-26-B
Q = 1.03 CFS	Q = 0.34 CF

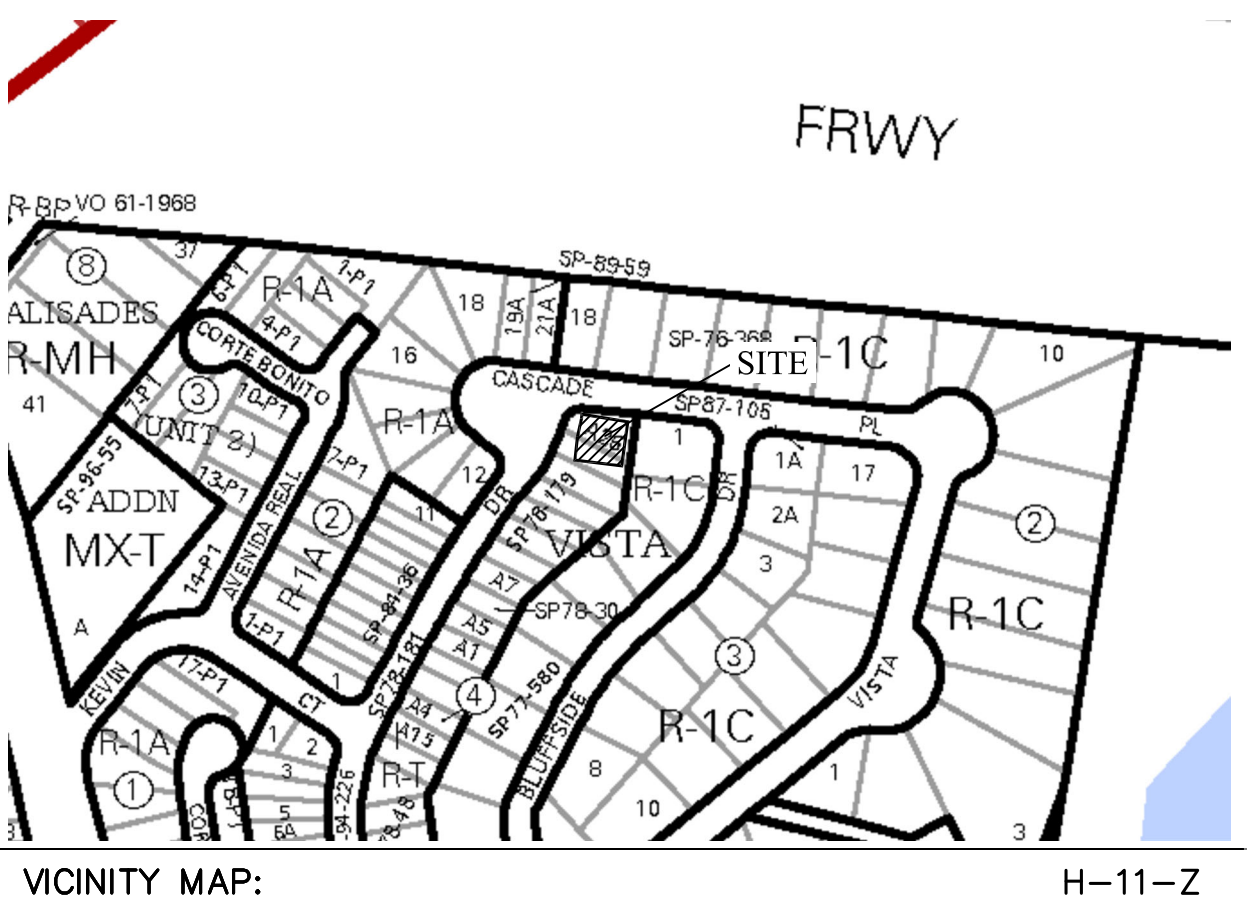
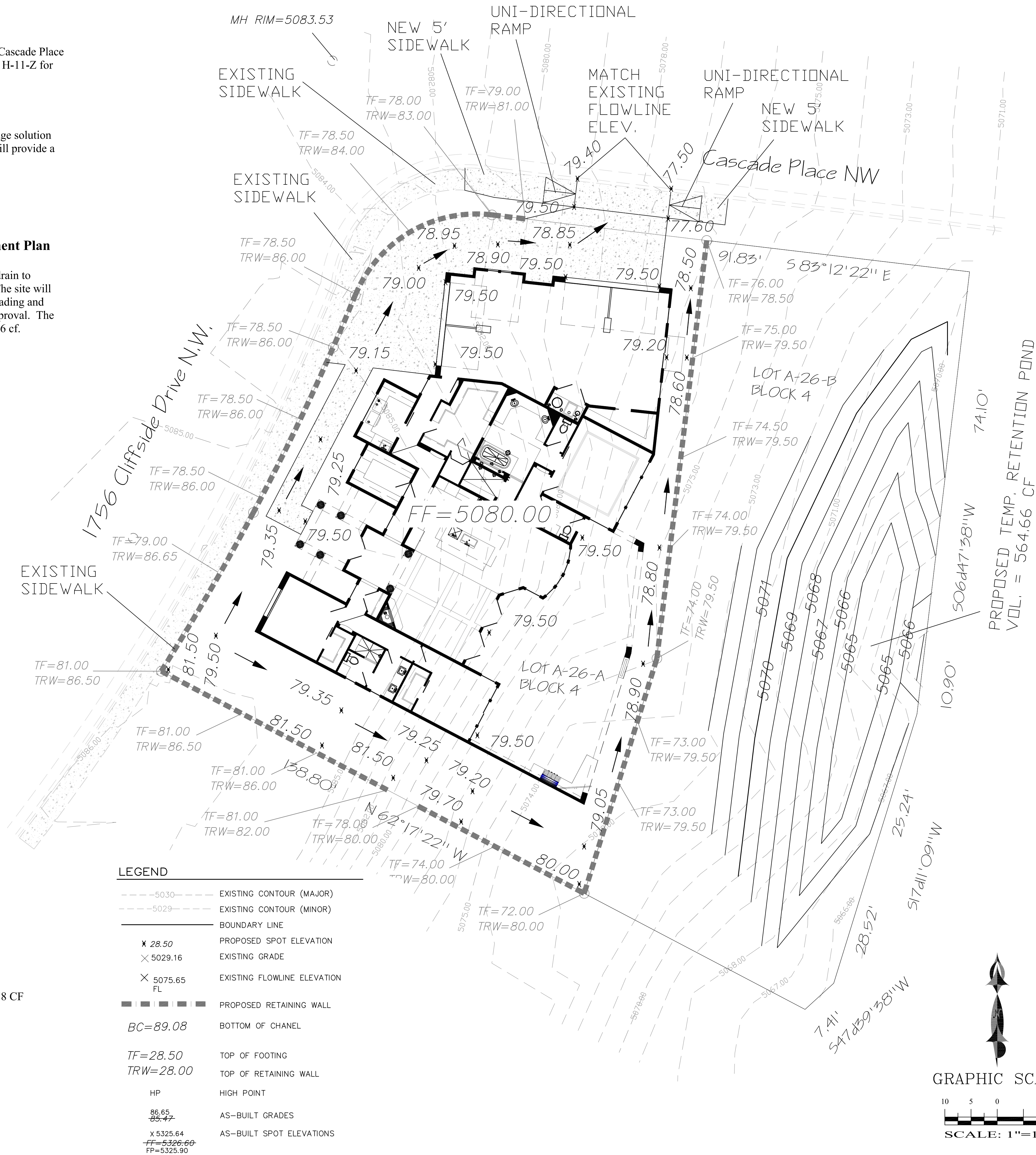
FIRST FLIUSH PONDING REQUIREMENT

LOT A-26-A
IMPERVIOUS AREA = 7,102.55 SF
FIRST FLUSH VOL. REQUIRED. = $0.42" \times 7,102.55 / 12 = 248.58$ CF

PONDING VOLUME CALCULATION FOR LOT A-26-B (TEMPORARY RETENTION POND)

AREA @ ELEV. 5066 = 787.21 SF
AREA @ ELEV. 5065 = 342.11 SF
POND VOLUME = $(787.21 + 342.11) / 2 \times 1.0 = 564.66$ CF

PONDING VOLUME REQUIRED = 419.15 CF



VICINITY MAP: H-11-Z

FIRM MAP: 35001C0327J

LEGAL DESCRIPTION:
LOTS A-26-A & A-26-B BLOCK, 4

BENCHMARK
CITY BNCHMARK 20_H11, ELEVATION OF 5093.496 FEET ABOVE SEA LEVEL.

EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES

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

- GENERAL NOTES:
- CONTOUR INTERVAL IS HALF (1.00) FOOT.
 - ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION 20_H11, HAVING AN ELEVATION OF 5093.496 FEET ABOVE SEA LEVEL.
 - 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.
 - THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
 - SLOPES ARE AT 3:1 MAXIMUM.
 - ADD 5300 TO ALL PROPOSED SPOT ELEVATIONS.



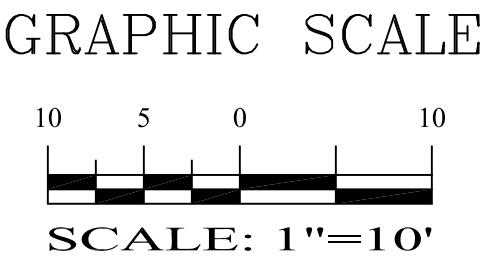
REZA AFGHPOUR
P.E. #11814

SBS CONSTRUCTION
AND ENGINEERING, LLC

7632 WILLIAM MOYERS AVE., NE
ALBUQUERQUE, NEW MEXICO 87122
(505)804-5013

LOTS A-26-A & A-26-B BLOCK, 4
GRADING PLAN

DRAWING: Cliffside_GD.dwg	DRAWN BY: SH-B	DATE: 7/13/2023	SHEET # 1
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LAST REVISION: 7/13/2023