

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 24, 2023

Robert Fierro, P.E.
Fierro & Company
6300 Montano Rd NW
Albuquerque NM, 87104

**RE: The Varela Residence Volcano Cliffs Unit 18
6505 Pato Rd NW, S.A.D. 228, Lot 21 Block 6
Grading and Drainage Plan Date 12/27/16 (D10D003M21)
Pad Certification Date 1/25/17
CO Approval Date 6/2/2020
Revised G&D plan for pool Date: 3/20/2023**

Mr. Fierro,

Based upon the information provided in your submittal received 3/24/2023, this plan is approved for a revised Grading Permit, and will now be the plan of record.

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

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

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 is required.

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Tiequan Chen, P.E.
Principal Engineer, Hydrology
Planning Department, Development Review Services

RR/SB
C: File D10D003M21



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:

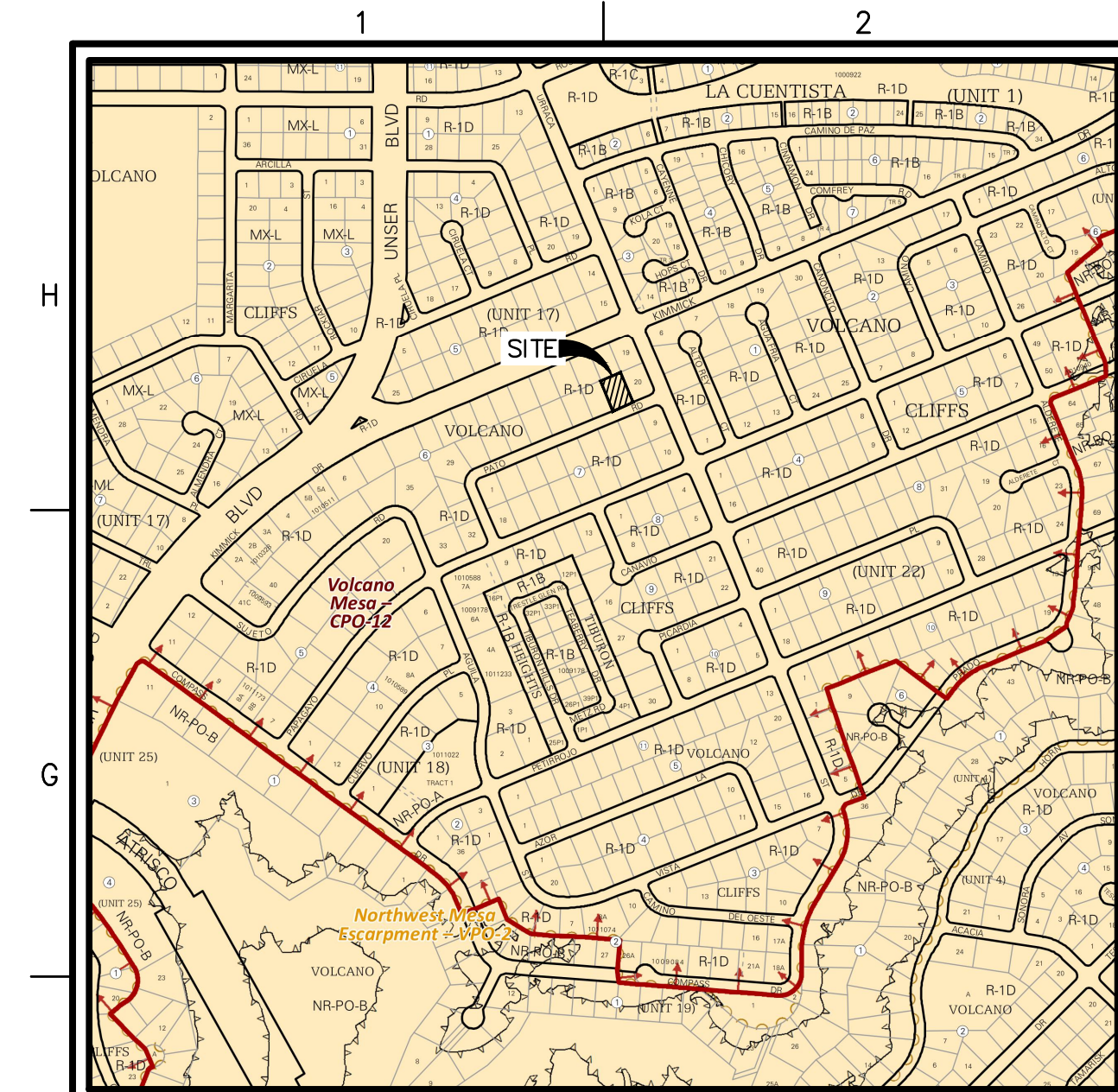
- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING 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 MAP
ZONE ATLAS MAP: D-10-Z

BASIN 100 (ALLOWABLE)

Area of Treatment A	=	0.000	ft ²
Area of Treatment B	=	1700.00	ft ²
Area of Treatment C	=	6800.00	ft ²
Area of Treatment D	=	8500.00	ft ²
Total Area	=	17000.00	ft ²
		0.390	ac

Volumetric Flow

Weighted E	=	1.448	inches
Volume (6hr)	=	0.047	acre-ft
Volume (24hr)	=	0.055	acre-ft
Volume (4days)	=	0.062	acre-ft
Volume (10days)	=	0.071	acre-ft

Peak Rate of Discharge

Q₁₀₀ = 1.380 cfs

BASIN 200 (PROPOSED)

Area of Treatment A	=	0.000	ft ²
Area of Treatment B	=	1700.00	ft ²
Area of Treatment C	=	8048.00	ft ²
Area of Treatment D	=	7252.00	ft ²
Total Area	=	17000.00	ft ²
		0.390	ac

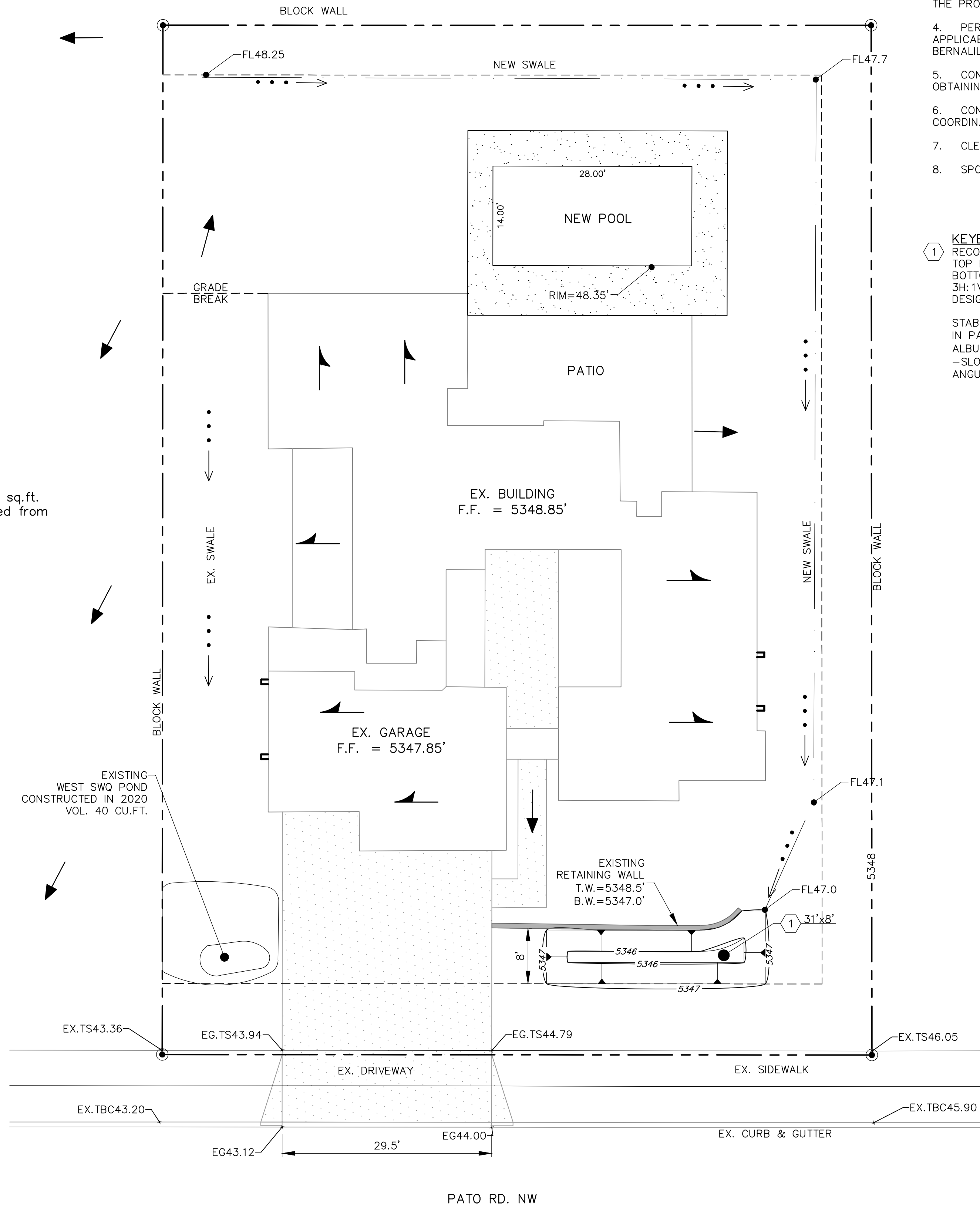
Volumetric Flow

Weighted E	=	1.376	inches
Volume (6hr)	=	0.045	acre-ft
Volume (24hr)	=	0.051	acre-ft
Volume (4days)	=	0.058	acre-ft
Volume (10days)	=	0.065	acre-ft

Peak Rate of Discharge

Q₁₀₀ = 1.337 cfs

Land Treatment was conservatoire.
Land Treatment including pool is 6,436 sq.ft.
Therefore, runoff rates are not increased from
previous approved plan.



LEGAL DESCRIPTION
LOT 21, BLOCK, 6, VOLCANO CLIFFS UNIT 18

GENERAL GRADING NOTES:

1. THE CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES SHOWN AND COORDINATE WITH ALL UTILITY OWNERS PRIOR TO ANY EXCAVATION.
2. THE CONTRACTOR SHALL LIMIT DISTURBANCE OF NATIVE VEGETATION TO A MINIMUM.
3. THIS PLAN RECOMMENDS POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES TO PROHIBIT PONDING OF RUNOFF WHICH MAY CAUSE STRUCTURAL SETTLEMENT. FUTURE ALTERATION OF GRADES ADJACENT TO THE PROPOSED STRUCTURES IS NOT RECOMMENDED.
4. PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF BERNALILLO COUNTY, NEW MEXICO.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF OR OBTAINING EXCESS CUT OR FILL MATERIAL REQUIRED FOR FINAL GRADE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH NEW MEXICO ONE CALL PRIOR EXCAVATION.
7. CLEAR AND GRUBBING PER NM APWA SECTION 201 SPECIFICATION.
8. SPOT ELEVATIONS ARE TO FINISH GRADE UNLESS NOTED OTHERWISE.

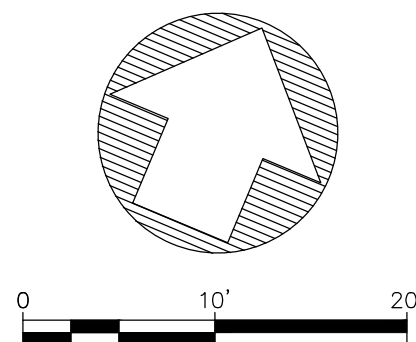
KEYED NOTES:

- 1 RECONSTRUCT EAST STORM WATER QUALITY POND
TOP ELEV.=5147.0
BOTTOM ELEV. = 5146.0
3H:1V SIDE SLOPE
DESIGN VOLUME=144 CU.FT.

STABILIZE SLOPES PER THE FOLLOWING CRITERIA AS LISTED BELOW AND IN PART 6-4(E) MEANS OF EROSION CONTROL OF CITY OF ALBUQUERQUE'S DEVELOPMENT PROCESS MANUEL.
-SLOPES BETWEEN 2.5H:1V TO 3H:1V PROTECT WITH 1.5" ANGULAR ROCK
ANGULAR HAND-PLACED WITH NO LANDSCAPE FABRIC

LEGEND

- PROPERTY BOUNDARY
- FLOW PATH
- FLOW DIRECTION
- SURFACE DRAINAGE
- PROPERTY CORNER
- WATER METER
- TELEPHONE PEDESTAL
- TV PEDESTAL
- ELECTRICAL PEDESTAL
- UTILITY EASEMENT LINE
- FLOWLINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EX. EXISTING
- EG. EXISTING GRADE
- FG. FINISH GRADE
- FL. FLOW LINE
- TBC. TOP BACK OF CURB
- TS. TOP OF SIDEWALK



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www.fierrocompany.com



THE ESTRADA RESIDENCE
6505 PATO RD. NW
ALBUQUERQUE, NM

PROJECT NAME

BY	DESCRIPTION	DATE	REV.

PROJECT NO:	162055
DESIGNED BY:	RJF
DRAWN BY:	STAFF
CHECKED BY:	RJF
DATE:	MARCH 2023

SHEET TITLE

**GRADING
PLAN**

SHEET NO:

C-1.0