

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

April 7, 2025

Philip W. Clark, PE
Clark Consulting Engineers
19 Ryan Rd
Edgewood, NM 87015

RE: **Lot 12 Block 6 Volcano Cliffs Unit 22 SAD 228
6204 Camino Alto NW
Grading and Drainage Plan
Engineers Stamp Date: 3/24/2025 (D10D003B12)**

Mr. Clark,

Based upon the information provided in your submittal received 4/7/2025, this plan is approved for grading permit. **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. Place this note on the plan.

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 after this approval a new grading and drainage plan will need to be resubmitted showing the changes for the land treatments.

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

If you should have any questions please contact me at 505-924-3695 or Rudy E. Rael at 505-924-3977

Sincerely,

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

RR/TC
File D10D003B12

VICINITY MAP

NOTES

1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2020.
2. AN EXCAVATION/CONSTRUCTION PERMIT IS REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY R.O.W. AN APPROVED COPY OF THIS PLAN MAY BE SUBMITTED AT THE TIME OF APPLICATION.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL LANDSCAPING AREA SHALL BE SOFT-LINED WITH NATIVE VEGETATION AND/OR GRAVEL.
5. CONTRACTOR SHALL ENSURE THAT NO SITE SOILS/SEDIMENT OR SILT ENTER THE RIGHT-OF-WAY DURING CONSTRUCTION.
6. REVEGETATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1072, NATIVE SEED MIX.
7. MAXIMUM SITE GRADING TO VERTICAL, 2:1, DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

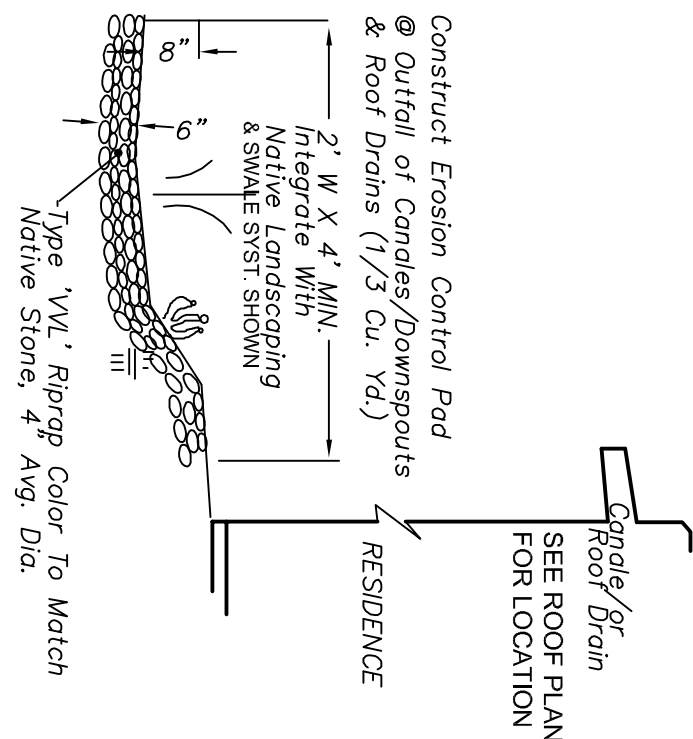
LEGEND

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CALCULATIONS

EROSION CONTROL PAD

NO SCALE



DESIGN CRITERIA

HYDROLOGIC METHODS PER CHAPTER 6. HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM), 2020 EDITION FOR CITY OF ALBUQUERQUE, "Peak Discharge Rates For Small Watersheds"
DISCHARGE RATE: $Q = Q_{PEAK} \times AREA$, "Peak Discharge Rates For Small Watersheds"
VOLUMETRIC DISCHARGE: $VC = E_{weighted} \times AREA$
PITOMETER: $HT = 2.17 \text{ in.}$, Zone 1, $TC = 12 \text{ Min.}$
DESIGN STORM: $100\text{-YEAR}/6\text{-HOUR}$, $10\text{-YEAR}/6\text{-HOUR} [] = 10\text{-YEAR VALUES}$

DEVELOPED CONDITIONS

DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA

	AREA	LAND UTILIZATION	% Peak	E
UNDEVELOPED	0.00 A _c (-%)	A	1.54(0.30)	0.55(0.11)
LANDSCAPING, Native, <10%	0.10 A _c (28%)	B	2.16(0.81)	0.93(0.26)
GRAVEL & COMPACTED SOIL	0.10 A _c (29%)	C	2.87(1.46)	0.75(0.43)
ROOF - PAVEMENT	0.15 A _c (43%)	D	4.12(2.57)	2.24(1.43)
	0.35 A _c			


WHERE: C = 1.4
SAD 288 SETS MAX LT D OF 36%
THEREFORE: .07 X 0.35 X .43560 X 2.24/12 = 199 CF
CHECK 1ST FLUSH, AKA EPA SWO & 2020 DPM - USE 0.42%
THEN: 0.42%/12 X 0.15 X .43560 = 229 CF


1. PHILIP W. CLARK, A PROFESSIONAL ENGINEER LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT I HAVE VISITED THE SITE SHOWN HEREON, AND THAT THE CONTOURS SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO SIGNIFICANT EARTHWORK OR MAJOR DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE DETERMINED.

PHILIP W. CLARK NMPE #10265

3/24/25

24/25



 Clark Consulting Engineers	
Edgewood, New Mexico 87015 Tel: (505) 261-2444	
DATE	REVISION
LOT 12, BLOCK 6, JOYCANO CLIFFS, UNIT 22 ALBUQUERQUE, BERNALILLO COUNTY, NM 6204 CAMINO ALTO RD NW Grading & Drainage Plan	