

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

January 30, 2024

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

RE: **Lot 21 Block 8 Volcano Cliffs Unit 22 SAD 228**
6308 Alderete Ct. NW
Grading and Drainage Plan
Engineers Stamp Date: 9/19/2023 (D10D003E21)
Pad Certification Date: 1/16/2024

Mr. Clark,

Based upon the information provided in your submittal received 1/29/2024, this plan is approved for Building permit.

PO Box 1293

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.

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. 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.

NM 87103

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

www.cabq.gov

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 D10D003E21



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title: 6308 Alderete NW Res. **Building Permit #** _____ **Hydrology File #** D-10 /
DRB# _____ **EPC#** _____

Legal Description: Lot 21, Blk 8, unit 22 Volcano Cliffs **City Address OR Parcel** 6308 Alderete NW

Applicant/Agent: Clark Consulting Engineers **Contact:** Phil
Address: 19 Ryan Rd, Edgewood, NM 87015 **Phone:** (505) 281-2444
Email: CCEalbq@aol.com

Applicant/Owner: _____ **Contact:** _____
Address: _____ **Phone:** _____
Email: _____

TYPE OF DEVELOPMENT: PLAT (#of lots) RESIDENCE DRB SITE ADMIN SITE: _____
RE-SUBMITTAL: YES NO

SECTION _____ : TRANSPORTATION HYDROLOGY/DRAINAGE
Check all that apply:

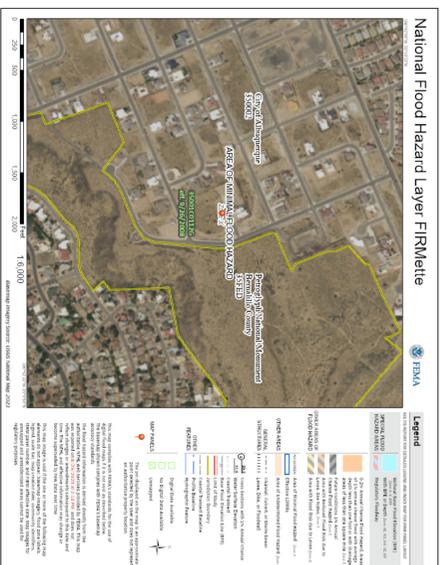
TYPE OF SUBMITTAL:

- ENGINEER/ARCHITECT CERTIFICATION
- PAD CERTIFICATION
- CONCEPTUAL G&D PLAN
- GRADING PLAN
- DRAINAGE REPORT
- DRAINAGE MASTER PLAN
- FLOOD PLAN DEVELOPMENT PERMIT APP.
- ELEVATION CERTIFICATE
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL) ADMINISTRATIVE
- TRAFFIC CIRCULATION LAYOUT FOR DRB APPROVAL
- TRAFFIC IMPACT STUDY (TIS)
- STREET LIGHT LAYOUT
- OTHER (SPECIFY)
- PRE-DESIGN MEETING?

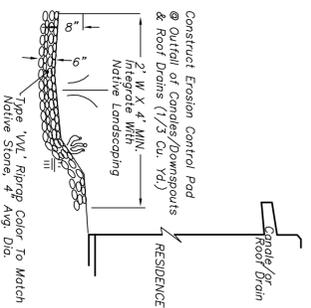
TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY
- CONCEPTUAL TCL DRB APPROVAL
- 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
- FLOOD PLAN DEVELOPMENT PERMIT
- OTHER (SPECIFY) _____

DATE SUBMITTED: 9/19/23



CURRENT FIRMETTE - FEMA PANEL



EROSION CONTROL PAD

NO SCALE

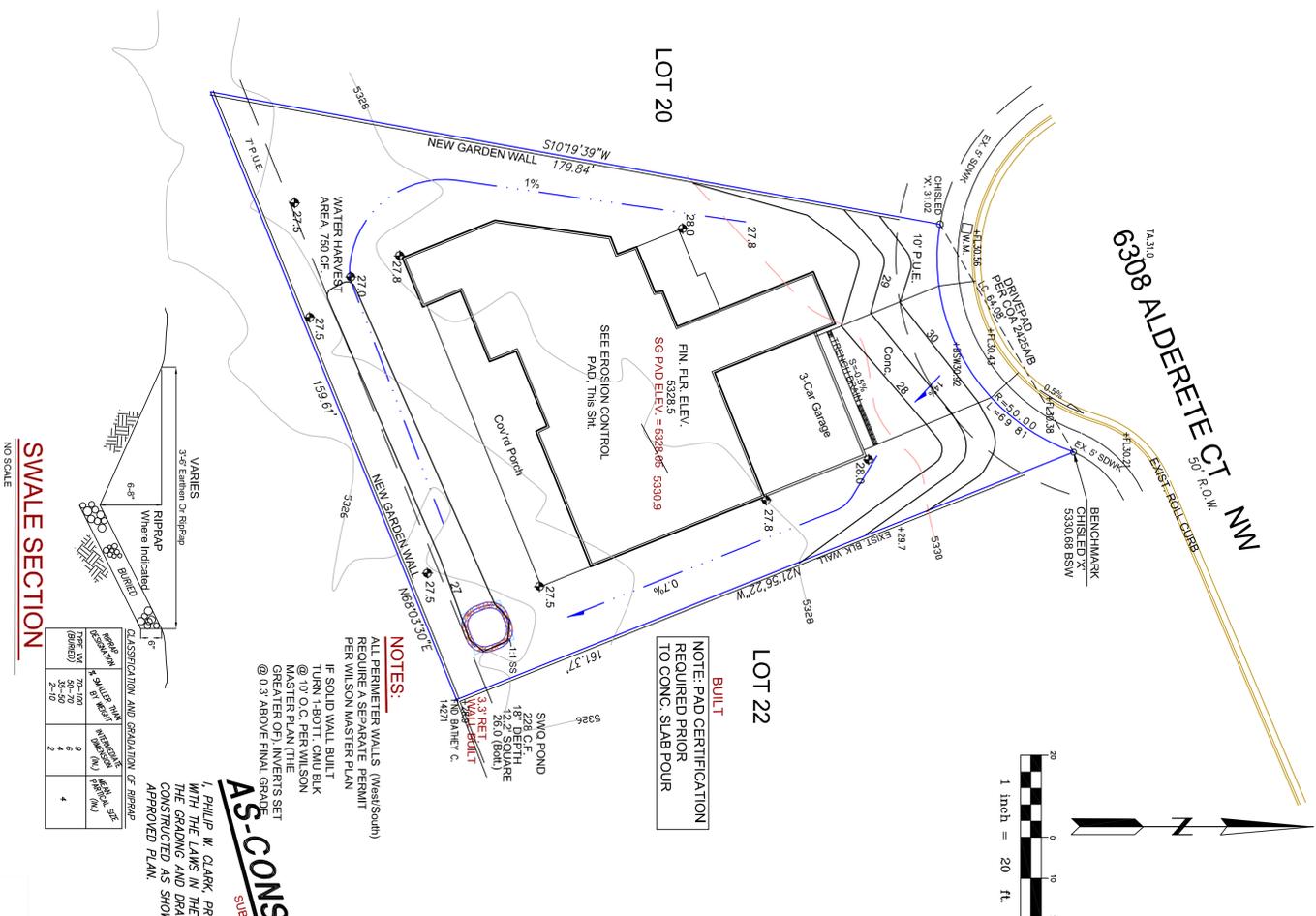
CALCULATIONS

DESIGN CRITERIA
 HYDROLOGIC METHODS PER CHAPTER 6, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM) 2020 EDITION FOR CITY OF ALBUQUERQUE.
 DISCHARGE RATE: $Q = Q_{PEAK} \times AREA$, "Peak Discharge Rates for Small Watersheds"
 VOLUMETRIC DISCHARGE: $VOLUME = E_{WEIGHTED} \times AREA$
 P100-6 Hr = 217 in, Zone 1, TC = 12 Min.
 DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [] = 10 YEAR VALUES

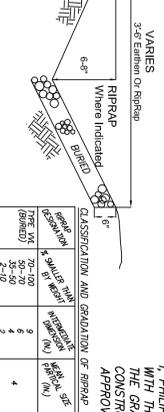
DEVELOPED CONDITIONS
 DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA

AREA	LAND TREATMENT	Q Peak	E
UNDEVELOPED	0.50	0.50	0.50
LANDSCAPING, Native	0.13	0.13	0.23
GRAVEL & COMPACTED SOIL	0.12	2.16	0.23
ROOF - PAVEMENT	0.15	2.87	0.43
	0.15	4.12	0.43

$E = 1.385 \text{ IN. VOL. 2011 CF}$
 WEIGHTED
 SUD 288 SETS MAX L1 D OF 38%, C OF 40%, & B @ 24%
 IE, E WEIGHTED = 1.347 Inches, VOL. 1956 CF
 THEREFORE: $0.4 \times 0.40 \times 43660 \times 12 = 58 \text{ CF}$
 CHECK 1ST FLUSH, AKA EPA SWQ & 2020 DPM - USE 0.42"
 THEN: $0.42 \times 12 \times 0.15 \times 43660 = 228 \text{ CF}$



SWALE SECTION



NO SCALE

NOTE: PAD CERTIFICATION REQUIRED PRIOR TO CONG. SLAB POUR

NOTES:
 ALL PERIMETER WALLS (Inland/South) REQUIRE A SEPARATE PERMIT PER WILSON MASTER PLAN
 IF SOLID WALL BUILT @ 10' O.C. PER WILSON TURN 140TT, CMU BULK GREATER OF 1 INVERTS SET @ 0.3' ABOVE FINAL GRADE

AS-CO-CONSTRUCTED

1. PHILIP W. CLARK, PROFESSIONAL ENGINEER, REGISTERED IN ACCORDANCE WITH THE LAWS IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE GRADING AND DRAINAGE IMPROVEMENTS INDICATED ON THE PLAN WERE CONSTRUCTED AS SHOWN, AND COMPLES WITH THE DESIGN INTENT OF THE APPROVED PLAN.

9/19/23
 PHILIP W. CLARK
 NEW MEXICO
 PROFESSIONAL ENGINEER
 14624



VICINITY MAP ZONE D-10

NOTES

1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECS. 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 MUST 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-WAYS DURING CONSTRUCTION.
6. REVEGETATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1012, NATIVE SEED MIX.
7. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION: 2 HORIZONTAL TO 1 VERTICAL, 2:1 LESS THAN 3' HIGH. DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

LEGEND

1.340	EXIST. SPOT ELEVATION
-10	EXIST. CONTOUR
24.0	NEW SPOT ELEVATION
54	NEW CONTOUR
---	NEW SWALE
---	DRAINAGE DIRECTION, EXISTING
FL	FLOWLINE
O PP	EXISTING POWER POLE
NC OR G	NATURAL GROUND, EXISTING
R&R	REBAR AND CAP, EXISTING
VVL, 4" AVG. DIA. SMOOTH RUN COBBLES / RIPRAP	

PROJECT DATA

LEGAL DESCRIPTION (EXISTING):
 LOT 21 BLOCK 8, VOLCANO CLIFFS UNIT 22
 ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
 PROJECT BENCHMARK
 CHISELED X IN BACK OF SIDEWALK, N.E. PROPERTY CORNER
 SEE PLAN, ELEVATION = 5330.68 AS TIED FROM ACS CONTROL MONUMENT
 SYSTEM (NAVD 89); COMMUNITY SCIENCES SURVEY.

EXPRESSLY PREPARED FOR TERRANOVA BUILDERS

Clark Consulting Engineers
 Edgewood, New Mexico 87015
 Phone: (505) 281-2444

DATE	REVISION
LOT 21, BLOCK 8, VOLCANO CLIFFS, UNIT 22 ALBUQUERQUE, BERNALILLO COUNTY, NM	6308 ALDERETE CT, NW Grading & Drainage Plan

DESIGNED BY: EWC
 DRAWN BY: COE
 CHECKED BY: PWC
 DATE: Aug 2023
 FILE #: G10-BOWWER
 1 OF 1