

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

February 23, 2023

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

RE: **Lot 11 Block 11 Volcano Cliffs Unit 18 SAD 228**
6508 Petirrojo Rd. NW
Grading and Drainage Plan
Engineers Stamp Date: 6/25/2021 (D10D003H23)
Pad Certification Date: 7/27/2021
CO Certification Date: 11/18/2021

Mr. Clark,

Based upon the information provided in your submittal received 2/22/2023, this plan is approved for Certificate of Occupancy by Hydrology.

PO Box 1293

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

Albuquerque

Sincerely,

NM 87103

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

www.cabq.gov

RR/TC
File D10D003H23



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 SOIL 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. DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

LEGEND

	EXIST. SPOT ELEVATION
	EXIST. CONTOUR
	NEW SPOT ELEVATION
	NEW CONTOUR
	NEW SWALE
	DRAINAGE DIRECTION, EXISTING
	FLOWLINE
	EXISTING POWER POLE
	NATURAL GROUND, EXISTING
	REAR AND CAP, EXISTING
	VUL, 4\"/>
	COBBLES / RIPRAP

PROJECT DATA

LEGAL DESCRIPTION (EXISTING):
LOT 11, BLOCK 11, VOICANO CLIFFS, UNIT 18
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
PROJECT BENCHMARK
NORTH RM OF EXISTING MANHOLE
SEE PLAN, ELEVATION = 5337.86, AS TIED FROM ACS CONTROL MONUMENT
SYSTEM (NAVD 88).

EXPRESSLY PREPARED FOR TERRANOVA BUILDERS

Clark Consulting Engineers
Edgewood, New Mexico 87015

DATE	REVISION	DATE	REVISION
7/21/21	ADDR. COA HYDR.	LOT 11, BLOCK 11, VOICANO CLIFFS, UNIT 18 ALBUQUERQUE, BERNALILLO COUNTY, NM	6508 PETIRROLO RD, NW Grading & Drainage Plan

I, 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 NOR MAJOR DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE DETERMINED.

PHILIP W. CLARK NWPE #10265

CALCULATIONS

DESIGN CRITERIA
HYDROLOGIC METHODS PER CHAPTER 6, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, (DPM) 2020 EDITION FOR CITY OF ALBUQUERQUE.
DISCHARGE RATE: Q=PEAK X AREA. "Peak Discharge Rates For Small Watersheds"
VOLUMETRIC DISCHARGE: VOLUME = EWeighted x AREA
P100-6 H# = 217 in, Zone 1, TC = 12 Min.
DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [] = 10 YEAR VALUES

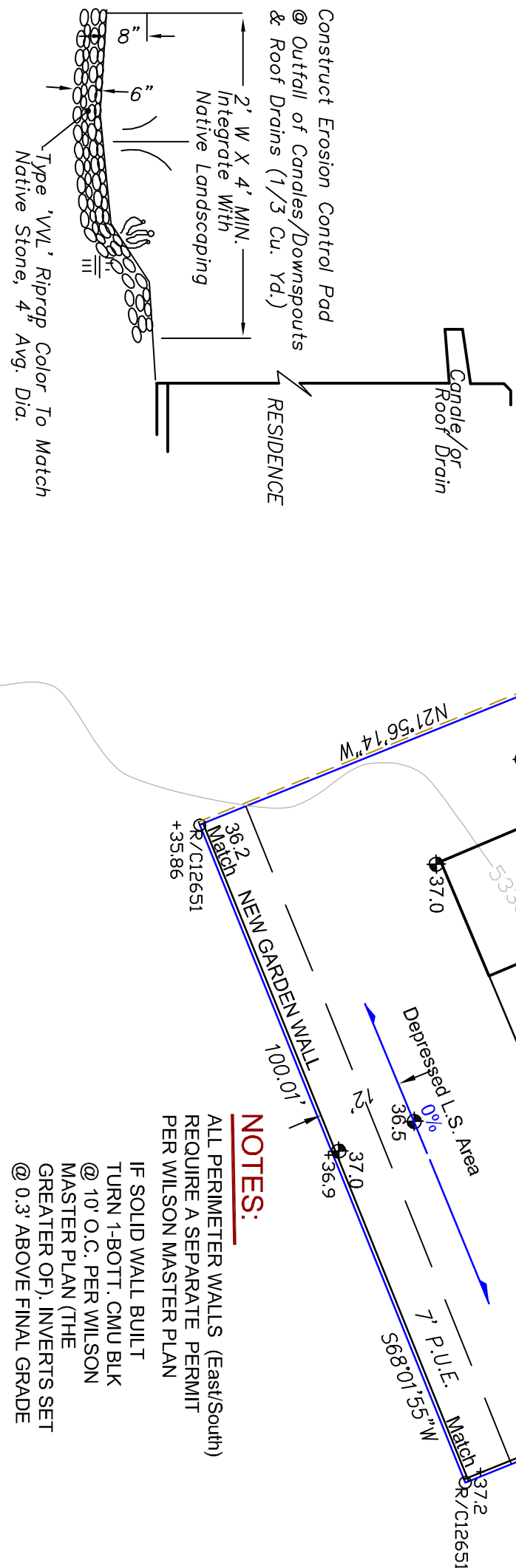
DEVELOPED CONDITIONS
DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA

AREA	LAND TREATMENT	Q _{Peak}	E
UNDEVELOPED	0.00 AC (-8%) A	1.54(0.80)	0.55(0.11)
LANDSCAPING, NATIVE, <10%	0.09 AC (29%) B	2.16(0.87)	0.73(0.28)
GRAVEL & COMPACTED SOIL	0.09 AC (29%) C	2.87(1.46)	0.93(0.43)
ROOF - PAVEMENT	0.33 AC	4.12(2.57)	2.24(1.43)

SAD 288 SETS MAX L1 D OF 38%
THEREFORE: 05 X 0.33 X 43560 X 2.2412 = 134 CF
CHECK 1ST FLUSH, AKA EPA SWO & 2020 DPM - USE 0.42"
THEN 0.42712 X 0.135 X 43560 = 206 CF

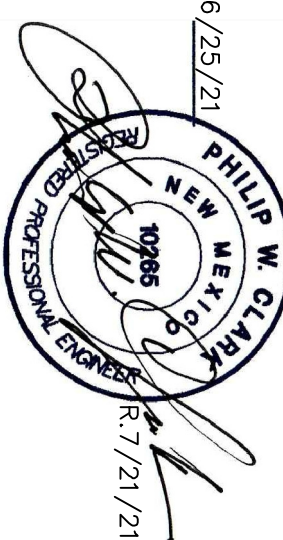
EROSION CONTROL PAD

NO SCALE



AS-CONSTRUCTED

SUBGRADE PWD 111821
FOR C.O. 22023, PMC, FIELD OBSERVATION
I, 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 COMPLIES WITH THE DESIGN INTENT OF THE APPROVED PLAN.
FOR C.O. 22023, PMC 11/18/21
PHILIP W. CLARK, P.E. #10265



DESIGNED BY: PMC	DRAWN BY: COE	Terranova Builders	1 OF 1
CHECKED BY: PMC	DATE: JUNE 2021	FILE #	G/D

City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6508 Petirrojo NW **Hydrology File #:** D10/

DRB#: _____ **EPC#:** _____ **Work Order#:** D003H23

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: Lot 11, Block 11, unit 18 Volcano Cliffs

City Address: same as Title

Applicant: CLARK CONSULTING ENGINEERS **Contact:** PHIL

Address: _____

Phone#: 281-2444
Fax#: xxxxx cell / txt 264.6042
E-mail: CCEalbq@aol.com

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF DEVELOPMENT: _____ PLAT ~~X~~ RESIDENCE _____ DRB SITE _____ ADMIN SITE _____

Check all that Apply:

DEPARTMENT:

HYDROLOGY/ DRAINAGE
TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

ENGINEER/ARCHITECT CERTIFICATION

PAD CERTIFICATION

CONCEPTUAL G & D PLAN

X GRADING PLAN

DRAINAGE REPORT

DRAINAGE MASTER PLAN

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

ELEVATION CERTIFICATE

CLOMR/LOMR

TRAFFIC CIRCULATION LAYOUT (TCL)

TRAFFIC IMPACT STUDY (TIS)

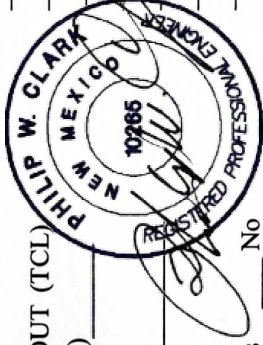
STREET LIGHT LAYOUT

____ OTHER (SPECIFY)

PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?:	X	Yes	No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DATE SUBMITTED: 2/20/23 By: Phil Clark



COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID: _____