

City of Albuquerque

Planning Department

Development & Building Services Division

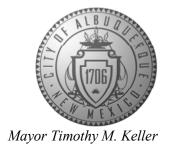
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6508 JADE	NW Building Permit #:	Hydrology File #:				
		Work Order#:				
Legal Description: LOT 3 , BLC City Address: 6508 JADE	OCK 12 VOLCANO CLIFFS	UNIT 24				
Applicant:		Contact:				
Address:						
		E-mail:				
Other Contact: RIO GRANDE EN	GINEERING	Contact: DAVID SOULE				
Address: PO BOX 93924 ALB	NM 87199					
		E-mail: david@riograndeengineering.com				
TYPE OF DEVELOPMENT:I						
Check all that Apply:						
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: X ENGINEER/ARCHITECT CERTIFIC PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PER ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: X Yes	BUI	F APPROVAL/ACCEPTANCE SOUGHT: ILDING PERMIT APPROVAL ETIFICATE OF OCCUPANCY ELIMINARY PLAT APPROVAL E PLAN FOR SUB'D APPROVAL E PLAN FOR BLDG. PERMIT APPROVAL AL PLAT APPROVAL / RELEASE OF FINANCIAL GUARANTEE JNDATION PERMIT APPROVAL ADING PERMIT APPROVAL 19 APPROVAL //ING PERMIT APPROVAL ADING/ PAD CERTIFICATION RK ORDER APPROVAL DMR/LOMR DODPLAIN DEVELOPMENT PERMIT HER (SPECIFY)				
DATE SUBMITTED:Yes						
COA STAFF:	ELECTRONIC SUBMITTAL RE	CEIVED:				

FEE PAID:_____

CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



September 25, 2023

David Soule, PE Rio Grande Engineering PO Box 93924 Albuquerque, NM 87199

RE: Lot 3 Block 12 Volcano Cliffs Unit 5 SAD 227

6508 Jade Dr. NW

Grading and Drainage Plan

Engineers Stamp Date: 11/17/2021 (E10D113)

Pad Certification Date: 3/27/2022 CO Certification Date: 9/21/2023

Mr. Soule:

Based upon the information provided in your submittal received 9/22/2023, this plan for Certificate of Occupancy cannot be approved until the following comment are addressed.

PO Box 1293

- The port-a-potty needs to be removed.
- The front pond and the exiting piping are at same level. Bottom of pond should be lower than 4-inch piping provided.

Albuquerque

• Concrete was placed in areas not accounted for, changing the land treatments for this site. Flows are not working as shown on previous submittal. On the plan provide the foot print of the home built. Show drainage easement on plan.

NM 87103

• Flows on the front east side are flowing into neighbor's property. It appears that flows are leaving this site immediately, with no retention at all. May need to submit a new G&D plan

www.cabq.gov

If you should have any questions please contact me at 505-924-3986 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 E10D111

Weighted E Method

												100-Year	r, 6-hr.	24 hour
Basin	Area	Area	Treat	ment A	Treat	ment B	Treati	ment C	Treatr	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
ALLOWED	14982.00	0.344	0%	0	24%	0.083	40%	0.1376	36%	0.124	1.362	0.039	1.08	0.047
PROPOSED	14982.00	0.344	0%	0	20%	0.069	30%	0.1032	50%	0.172	1.551	0.044	1.15	0.056
COMPARISON												0.005		0.009

Weighted $E = Ea^*Aa + Eb^*Ab + Ec^*Ac + Ed^*Ad / (Total Area)$

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm-zone 1

Ea= 0.55 Eb= 0.73 Qb= 2.16 Ec= 0.95 Qc= 2.87 Ed= 2.24 Qd= 4.12

ONSITE Conditions FIRST FLUSH WATER QUALITY VOLUME

REQUIRED PROVIDED (CF) 861 WATER QUALITY FLOOD CONTROL

Narrative

This site is within the SAD 227Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the

adjacent roadway to the north per the master drainage plan. The site does exceed the SAD 227 developed conditions assumptions, therefore ponding of 376cf is required. Due to hight restrictions we have incorporated ponding to minimize the pad height as much as possible.

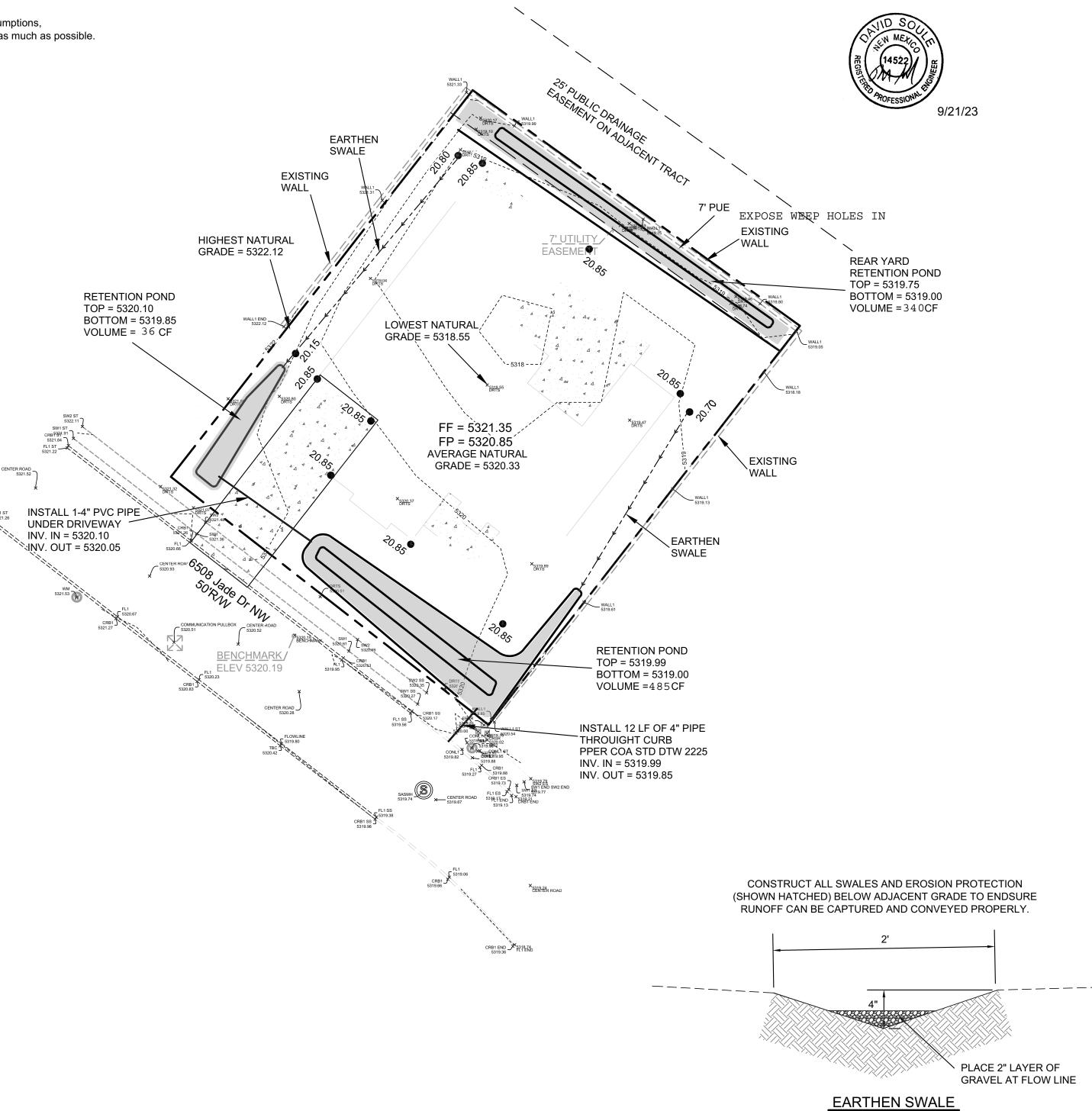
to the master drainage plan

We are ponding the water harvest volume generated by the site. Upland flow does not impact this site. This plan is in conformance

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 11/17/21



I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 11/17/21 The certification is submitted in support of a request for <u>CERTIFICATE OR OCCUPANCY</u>. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project.



CAUTION:

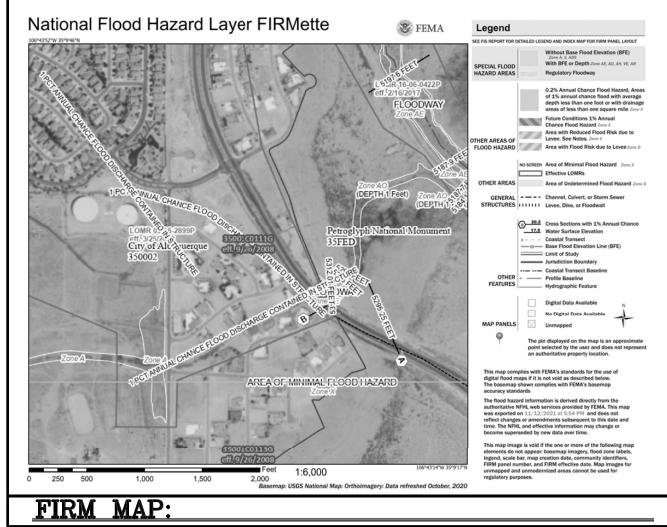
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.







LEGAL DESCRIPTION:

LOT 3, BLOCK 12 VOLCANO CLIFFS UNIT 24

NOTES:

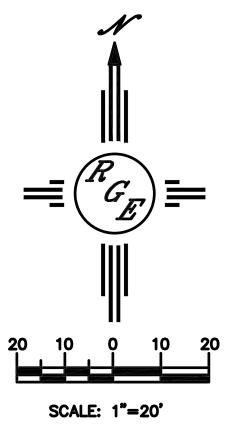
- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- 2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- 3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

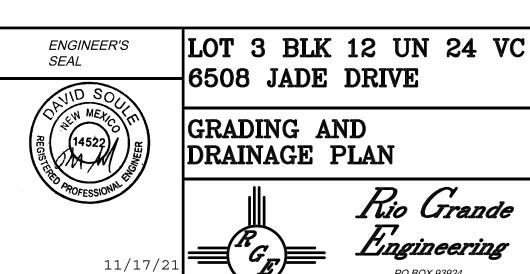
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD

- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND

XXXX	EXISTING CONTOUR
XXXX	EXISTING INDEX CONTOUR
XXXX .	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
• xxxx	PROPOSED SPOT ELEVATION
	BOUNDARY
	ADJACENT BOUNDARY
=========	EXISTING CURB AND GUTTER
	PROPOSED EARTHEN SWALE
	PROPOSED CONCRETE





DRAINAGE PLAN Rio Grande Lingineering PO BOX 93924 ALBUQUERQUE, NM 87199

(505) 321-9099

DRAWN

 BY $_{DEM}$

DATE

11-16-21

6508 Jade Dr .DWG

SHEET#

JOB#

DAVID SOULE P.E. #14522