

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Interim Director



*Mayor Timothy M. Keller*

June 7, 2022

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

**RE: Lot 11 Block 6 Unit 17 SAD 228  
6532 Kimmick Rd. NW  
Volcano Cliffs Subdivision  
Grading and Drainage Plan  
Engineers Stamp Date 4/26/2021 (D10D003M11)  
CO Certification Date: 6/7/2022**

PO Box 1293

Mr. Soule,

Albuquerque

Based on the Certification received on 6/6/2022, the site is acceptable for release of Certificate of Occupancy by Hydrology.

NM 87103

If you have any questions, you can contact me at 924-3986 or Rudy Rael at 924-3977.

www.cabq.gov

Sincerely,

Ernest Armijo, P.E.  
Principal Engineer, Planning Dept.  
Development Review Services

RR/EA  
C: File D10D003M11



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 6532 KIMMICK NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 11 BLOCK 6 VOLCANO CLIFFS UNIT 17  
**City Address:** 6532 KIMMICK

**Applicant:** DR HORTON **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** RIO GRANDE ENGINEERING **Contact:** DAVID SOULE  
**Address:** PO BOX 93924 ALB NM 87199  
**Phone#:** 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT ☒ 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  
\_\_\_\_\_ GRADING PLAN  
\_\_\_\_\_ DRAINAGE REPORT  
\_\_\_\_\_ DRAINAGE MASTER PLAN  
\_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT APPLIC  
\_\_\_\_\_ ELEVATION CERTIFICATE  
\_\_\_\_\_ CLOMR/LOMR  
\_\_\_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)  
\_\_\_\_\_ TRAFFIC IMPACT STUDY (TIS)  
\_\_\_\_\_ STREET LIGHT LAYOUT  
\_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_  
\_\_\_\_\_ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: \_\_\_\_\_ Yes ☒ No

### 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: \_\_\_\_\_



Weighted E Method													100-Year, 6-hr.			24 hour
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)	Flow cfs	Volume (ac-ft)	Flow cfs	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
ALLOWED	13110.00	0.301	0%	0	20%	0.060	46%	0.1384	34%	0.102	1.259	0.032	0.97	0.036	0.98	0.036
PROPOSED	13110.00	0.301	0%	0	20%	0.060	44%	0.1324	36%	0.108	1.278	0.032	0.98	0.036	0.98	0.036
COMPARISON																0.001

#### Equations:

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= 0.44	Qa= 1.29
Eb= 0.67	Qb= 2.03
Ec= 0.99	Qc= 2.87
Ed= 1.97	Qd= 4.37

ONSITE Conditions  
DRAINAGE SUMMARY

	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	0	1615
FLOOD CONTROL	31	1615
100-YEAR, 6 HOUR	1578	1615
Narrative		

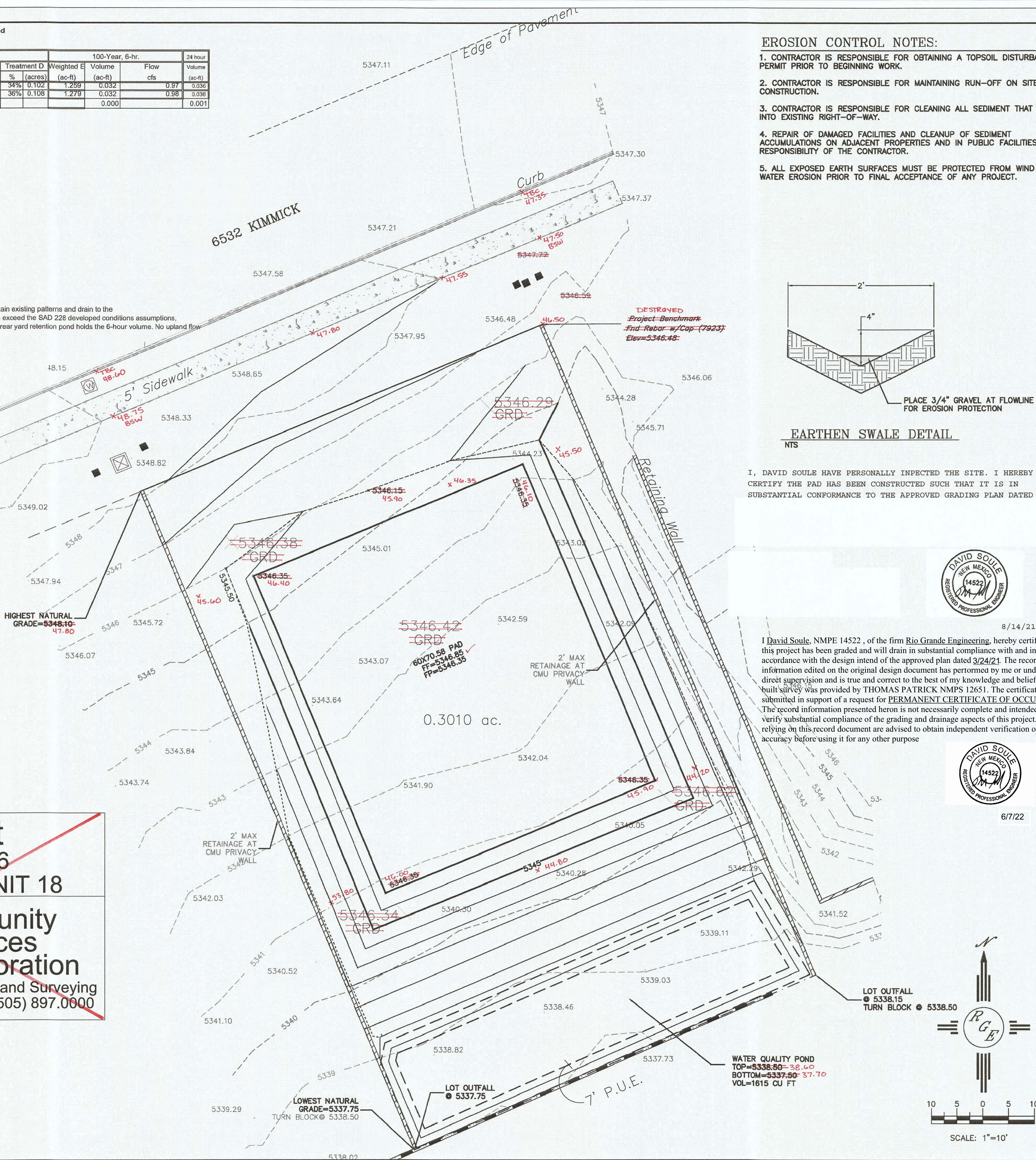
This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent property to the south to the east per the master drainage plan. The site does exceed the SAD 228 developed conditions assumptions, therefore ponding is required. Due to the site not being able to drain to the street, the rear yard retention pond holds the 6-hour volume. No upland flow enters the site. This plan is in conformance to the master drainage plan

<b>Asbuilt</b> Lot 11, Block 6 Volcano Cliffs Unit 22	
DATE	6/2/22
CREW	JAK
DRAFTING	DKS
GPS	n/a
JN	N0942-RGE
	
<b>Asbuilt Legend</b>	
OG.1	SPOT ELEVATION
→	FLOW ARROW
---	NOT CONSTRUCTED

<b>PAD Asbuilt</b> LOT 11, BLOCK 6 VOLCANO CLIFFS UNIT 18	
DATE	08/13/21
CREW	RGR/NWM
DRAFTING	SLN
GPS	VIEJO
JN	N150-04
	

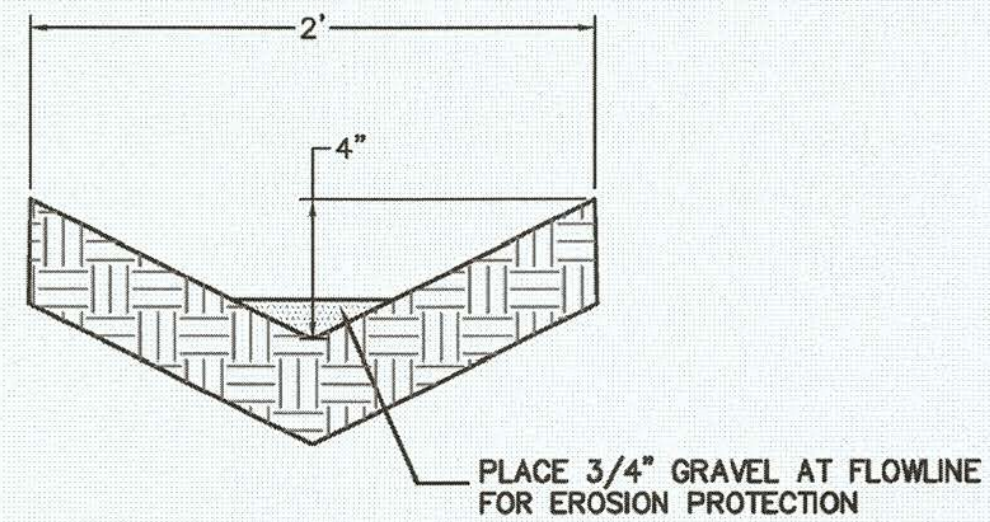
#### CAUTION:

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.



#### EARTHEN SWALE DETAIL

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 3/24/21



8/14/21

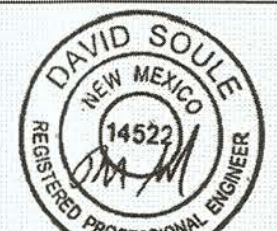

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 3/24/21. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by THOMAS PATRICK NMPS 12651. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. 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. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose



6/7/22

#### LEGEND

---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
---	SLOPE TIE
•	EXISTING SPOT ELEVATION
•	PROPOSED SPOT ELEVATION
---	LOT LINE
---	CENTERLINE
---	RIGHT-OF-WAY
---	PROPOSED 4" PVC SD
---	GRAVEL LINED SWALE
---	EXISTING CURB AND GUTTER
---	PROPOSED CMU SCREEN WALL-DESIGN BY OTHERS

ENGINEER'S SEAL	6532 KIMMICK	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 3-22-21
		21021029-LAYOUT-3-22-21
DAVID SOULE P.E. #14522	1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0899	SHEET # JOB # 21021029