CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



October 11, 2017

David Soule, PE Rio Grande Engineering 1606 Central SE Suite 201 Albuquerque, NM 87106

Re: Kiotis Residence

Lot 14 Block 2 SAD 227 6908 Rim Rock Cir NW

Request Permanent C.O. - Accepted

Engineer's Stamp dated: 1-13-17 (D10D006)

Certification dated: 10-10-17

PO Box 1293

Dear Mr. Soule,

Based on the Certification received 10/11/2017, the site is acceptable for release of Certificate of

Albuquerque Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

NM 87103

Sincerely,

www.cabq.gov

James D. Hughes, P.E.

Principal Engineer, Hydrology

Planning Department

RR/JDH

C: email



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title:		Building Permit #:	City Drainage #:				
RB#: EPC#:			k Order#:				
Legal Description:							
City Address:							
Engineering Firm:		Cont	act:				
Address:							
Phone#:	Fax#:	E-ma	ail:				
Owner:		Cont	act:				
Address:							
Phone#:	Fax#:	E-ma	ail:				
Architect:		Cont	act:				
Address:							
Phone#:	Fax#:	E-ma	ail:				
Other Contact:		Cont	act:				
Address:							
Phone#:	Fax#:	E-ma	ail:				
Check all that Apply: DEPARTMENT: HYDROLOGY/ DRAINAGE			ROVAL/ACCEPTANCE SOUGHT:				
TRAFFIC/ TRANSPORTATION		BUILDING PERMI					
MS4/ EROSION & SEDIMENT CO	NTROL	CERTIFICATE OF	OCCUPANCY				
TYPE OF SUBMITTAL:		PRELIMINARY PI	AT APPROVAL				
ENGINEER/ ARCHITECT CERTIFIC	CATION		SITE PLAN FOR SUB'D APPROVAL				
		SITE PLAN FOR B	LDG. PERMIT APPROVAL				
CONCEPTUAL G & D PLAN		FINAL PLAT APP	ROVAL				
GRADING PLAN		SIA/ RELEASE OF	SIA/ RELEASE OF FINANCIAL GUARANTEE				
DRAINAGE MASTER PLAN		FOUNDATION PE	RMIT APPROVAL				
DRAINAGE REPORT		GRADING PERMI	GRADING PERMIT APPROVAL				
CLOMR/LOMR		SO-19 APPROVAL					
		PAVING PERMIT					
TRAFFIC CIRCULATION LAYOU	Γ (TCL)		APPROVAL				
TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS)	Γ (TCL)	PAVING PERMIT	APPROVAL ERTIFICATION				
		PAVING PERMIT GRADING/ PAD C	APPROVAL ERTIFICATION				
TRAFFIC IMPACT STUDY (TIS)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP	APPROVAL ERTIFICATION ROVAL				
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL ING				
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL				
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO OTHER (SPECIFY)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET OTHER (SPECIFY	APPROVAL ERTIFICATION ROVAL ING				

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____

												100-Year, 6	-hr.	24-hour
Basin	Area	Area	Treati	ment A	Treat	ment B	Treati	ment C	Treatm	ent D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
NATIVE	14400.00	0.331	0%	0	100%	0.331	0%	0	0%	0.000	0.670	0.018	0.67	0.018
ALLOWED	14400.00	0.331	0%	0	10%	0.033	40%	0.13223	50%	0.165	1.448	0.040	1.17	0.05
PROPOSED	14400.00	0.331	0%	0	28%	0.093	34%	0.1124	38%	0.126	1.273	0.035	1.06	0.04
INCREASE												0.017		
total														

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

Qa= 1.29 Qb= 2.03 Ec= 0.99

PROVIDED

ONSITE Conditons FIRST FLUSH WATER QUALITY VOLUME

WATER QUALITY 50% of the 100year-24-hour

Narrative

This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing drainage patterns. Since the lot can drain to the the adjacent street we are to retain 50% of the 100-year, 24-hour storm volume generated. We are ponding the water harvest volume generated by the site. Since the downstream improvements have been constructed the site will drain to the adjacent roadway. Due to existing block wa upland flows impact this site, in the event a block get turned this site will except and pass the flows. The flush volume is retained on site. This plan is it

LOT 4

BLOCK 2

EXISTING BLOCK WALL

BLOCK 2

UNSER CLIFFS SUBDIVISION

UNSER CLIFFS SUBDIVISION

PAD CERTIFICATION

LOT 13 BLOCK 2 UNSER CLIFFS SUBDIVISION

I DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. THE MASS GRADING FOR THE BUILDING PAD HAS BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE TO



THE APPROVED GRADING PLAN DATED 1/13/17

BUILD RETENTION POND

TOP=5324.25 BOTTOM=5323.75 23.60 PROPOSED VOLUME=284 CU. F



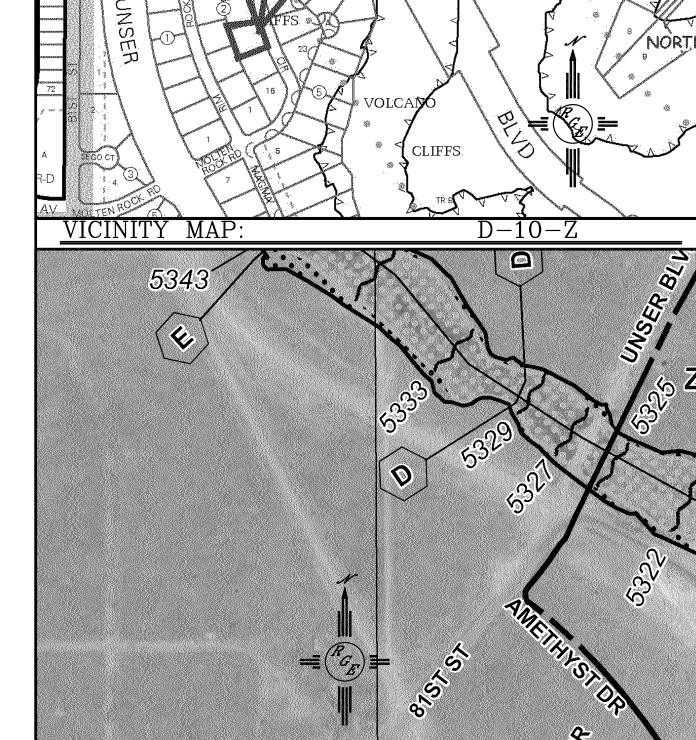
I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that



10/10/17



- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING
- 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.



FIRM MAP:

LEGAL DESCRIPTION:
LOT 11, BLOCK 13, VOLCANO CLIFFS, UNIT - 5

NOTES:

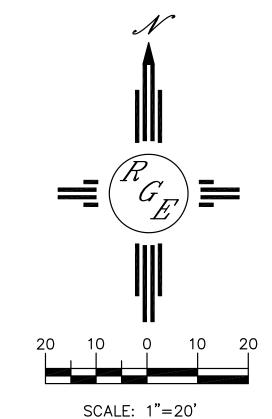
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

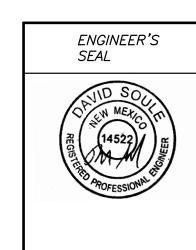
FM35001C0111G

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR — PROPOSED INDEX CONTOUR SLOPE TIE **EXISTING SPOT ELEVATION** × XXXX * XXXX PROPOSED SPOT ELEVATION BOUNDARY CENTERLINE — RIGHT-OF-WAY

PROPOSED CMU SCREEN WALL





DAVID SOULE P.E. #14522

ENGINEER'S SEAL	
14522) PROFESSIONING	(I
1/13/17	=

KIOTIS RESIDENCE BY WCWJ 6908 RIM ROCK NW DATE 2-13-17 GRADING AND DRAINAGE PLAN 21712-LAYOUT-2-11-1

Rio Grande SHEET # Lingineering 1606 CENTRAL AVENUE SE JOB # ALBUQUERQUE, NM 87106 (505) 872-0999 21712

this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated $\frac{1}{1}$. 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 asbuilt survey was provided by THOMAS PATRICK NMPS 12651. The certification is submitted in support of a request for <u>PERMANENT CERTIFICATE OF 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. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose

PERMIT PRIOR TO BEGINNING WORK.



TOP=5324.00 BOTTOM= 5323.50 .30 PROPOSED VOLUME=751 CU. FT.

LOT 15 BLOCK 2 UNSER CLIFFS SUBDIVISION

BUILD RETENTION POND

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.