CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



August 31, 2017

David Soule, P.E. Rio Grande Engineering PO Box 93924 Albuquerque, New Mexico 87199

RE: Lot 4 Block 8 Volcano Cliffs Unit 5 SAD 227 6211 Keyenta NW

Grading and Drainage Plan Engineers Stamp Date 8/1/17 (D10D033)

Pad Certification Date 8/1/17

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/28/17, this plan is approved for Building Permit.

PO Box 1293 Please inform the builder/owner to attach a copy of this approved plan to the construction

sets in the permitting process prior to sign-off by Hydrology. Reiterate to the

Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with

the approved G&D plan dated 8/1/17.

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

this plan will be required.

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

www.cabq.gov Sincerely,

Albuquerque

NM 87103

James D. Hughes, P.E.

Principal Engineer, Hydrology

Planning Department

RR/JDH C: File



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title:		Building Permit #:	City Drainage #:				
DRB#:	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 CERTIFICATION			SITE PLAN FOR SUB'D APPROVAL				
		SITE PLAN FOR B	LDG. PERMIT APPROVAL				
CONCEPTUAL G & D PLAN		FINAL PLAT APP	FINAL PLAT APPROVAL				
GRADING PLAN		SIA/ RELEASE OF	SIA/ RELEASE OF FINANCIAL GUARANTEE				
DRAINAGE MASTER PLAN		FOUNDATION PE	FOUNDATION PERMIT APPROVAL				
DRAINAGE REPORT		GRADING PERMI	GRADING PERMIT APPROVAL				
CLOMR/LOMR		SO-19 APPROVAL	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: ____

Weighted E Method

												100-Yea	ar, 6-hr.	
Basin	Area	Area	Treat	ment A	Treat	ment B	Treati	ment C	Treatr	ment D V	Veighted I	Volume	Flow	
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	
ALLOWED	22015.00	0.505	0%	0	10%	0.051	40%	0.2022	50%	0.253	1.448	0.061	1.7	9
PROPOSED	22015.00	0.505	0%	0	37%	0.187	39%	0.1971	24%	0.121	1.107	0.047	1.4	8
total														

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 Qc= 2.87 Ec= 0.99Ed= 1.97 Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME

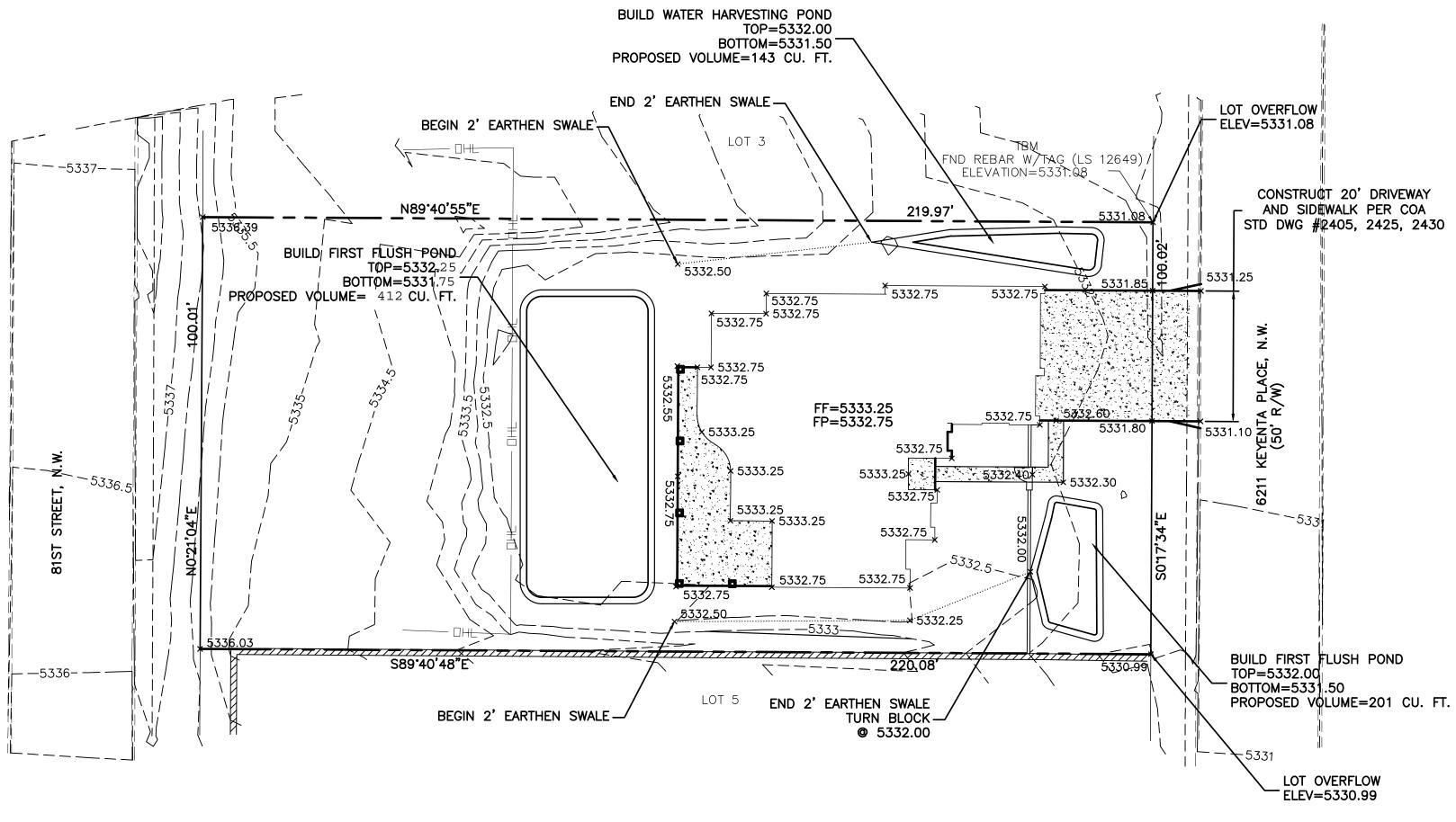
REQUIRED (CF)

(CF) . 150 756 WATER QUALITY

Narrative

This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent roadway per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing the upland flow to pass thru the site. This plan has a shallow water harvest pond in excess of the drainage regulations. The site is not impacted by upland flows. This plan is in conformance to the master drainage plan

PROVIDED



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



EROSION CONTROL NOTES:

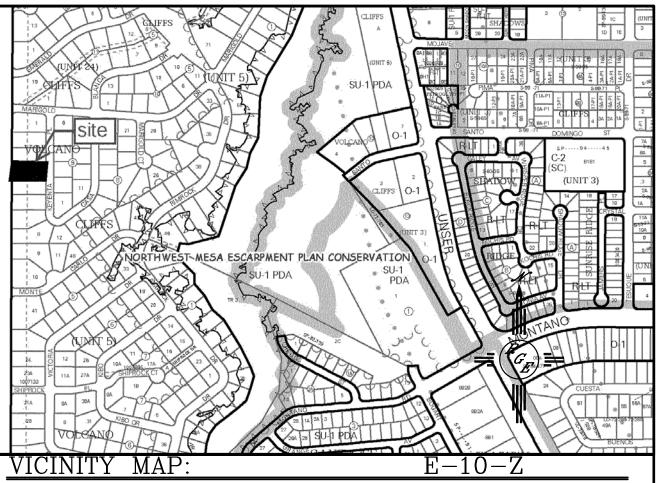
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

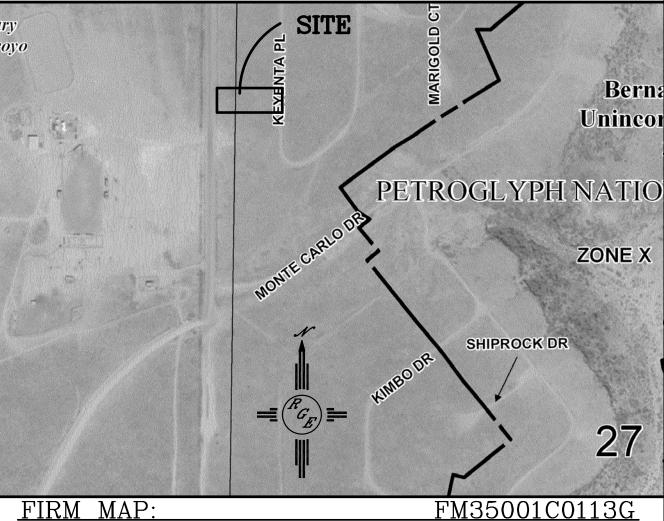
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

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 4, BLOCK 8 VOLCANO CLIFFS UNIT 5

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

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.

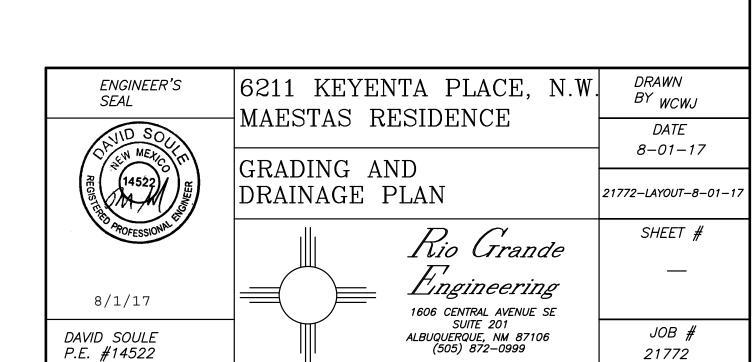
4. A PAD CERTIFICATION FROM THE DESIGN ENGINEER IS REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT

LEGEND

SCALE: 1"=20'

	EXISTING CONTOUR
	EXISTING INDEX CONTOUR
——XXXX———	PROPOSED CONTOUR
xxxx	PROPOSED INDEX CONTOUR
-	SLOPE TIE
× XXXX	EXISTING SPOT ELEVATION
* XXXX	PROPOSED SPOT ELEVATION
	BOUNDARY
	CENTERLINE
	RIGHT-OF-WAY
==========	EXISTING CURB AND GUTTER

PROPOSED CMU SCREEN WALL 0'-3' MAX RETAINAGE (DESIGN BY OTHERS)



8/1/17

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.