CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



January 24, 2018

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

RE: Lot 12 Block 2 Unit 2 S.A.D. 227 5631 Cinder Cone NW

Grading and Drainage Plan

Engineers Stamp Date 1/19/18 (E10D042)

Dear Mr. Soule,

Based upon the information provided in your submittal received 1/23/18, this plan is approved for Grading Permit.

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

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

Albuquerque

NM 87103

Sincerely,

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 CERTIFIC	CATION		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-Year	r, 6-hr.
Basin	Area	Area	Treat	ment A	Treat	ment B	Treati	ment C	Treati	ment D	Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
ALLOWED	11810.00	0.271	0%	0	20%	0.054	46%	0.1247	34%	0.092	1.259	0.028	0.87
PROPOSED	11810.00	0.271	0%	0	20%	0.054	51%	0.1383	29%	0.079	1.210	0.027	0.85
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

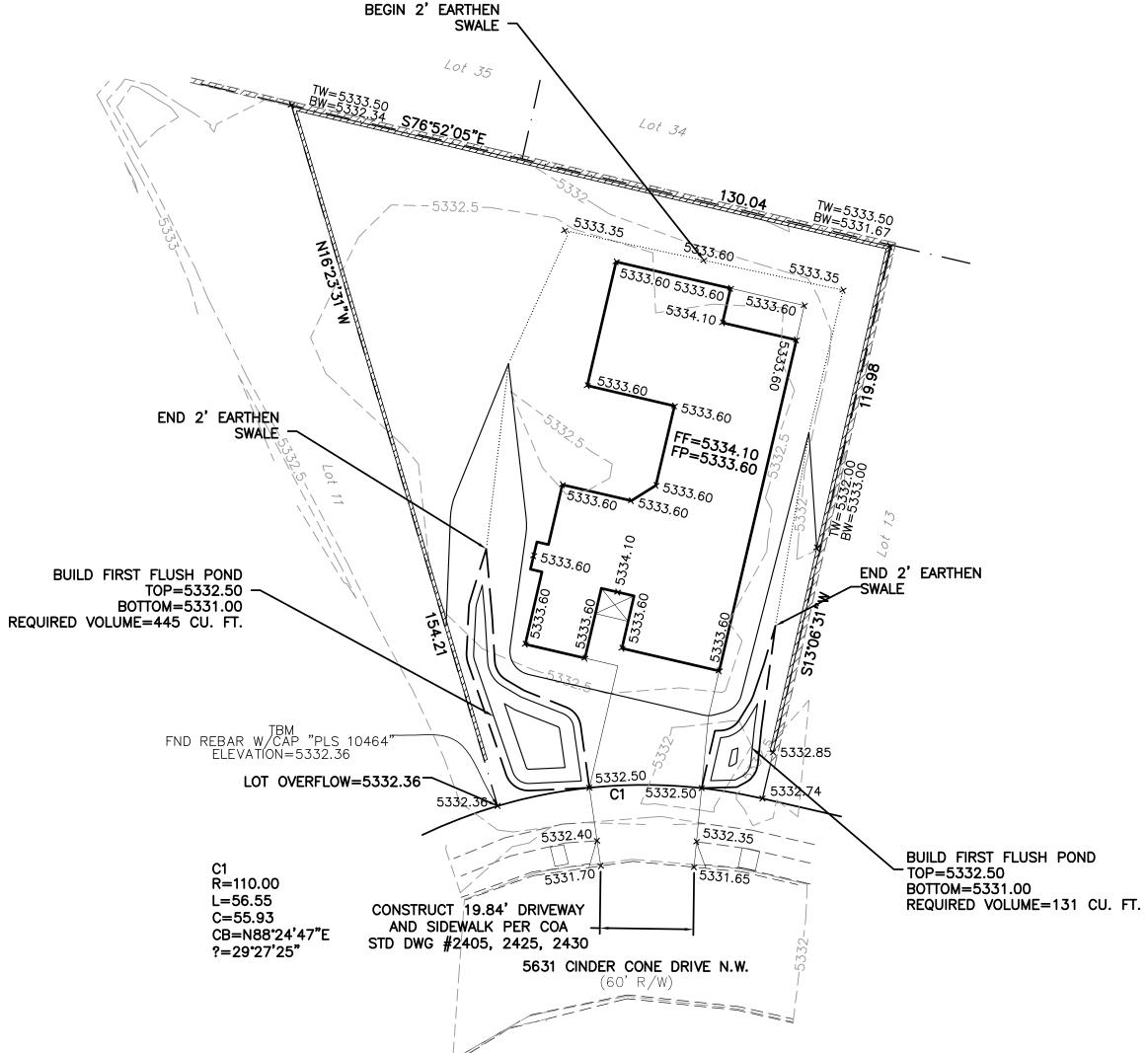
FIRST FLUSH WATER QUALITY VOLUME

REQUIRED PROVIDED (CF) (CF)

WATER QUALITY 97 576 FLOOD CONTROL -48 576

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 lot to east per the master drainage plan. We are ponding the water harvest volume generated by the site there is not measurable upland flow. This plan exceeds the allowed impervious area therefore we are required to retain the overage. This plan is in conformance to the master drainage plan



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:

INTO EXISTING RIGHT-OF-WAY.

- 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
- 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.



VICTORIA DR

MAUNA LOA DR

SITE

MONTANC

MINE

LIMIT OF DETAILED STUDY Antonio Arroyo

GIENE

FM35001C0113G

LEGAL DESCRIPTION:

LOT 12 BLOCK 2, VOLCANO CLIFFS UNIT 2

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.

LEGEND

