CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



January 10, 2018

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

RE: Lot 14 Block 6, Volcano Cliffs Unit 9, SAD 228 Unit 22 6212 Camino Alto NW
Grading and Drainage Plan
Engineers Stamp Date 1/5/18 (D10D003B14)

Dear Mr. Soule,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 1/8/18, this plan is approved for Grading Permit.

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

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 and Pad Certification.

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

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

James D. Hughes P.E.

Principal Engineer, Hydrology

Planning Department

RR/JDH C: File

Sincerely,



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 PERMIT APPROVAL					
MS4/ EROSION & SEDIMENT CO	NTROL	CERTIFICATE OF	OCCUPANCY					
TYPE OF SUBMITTAL:		PRELIMINARY PI	AT APPROVAL					
ENGINEER/ ARCHITECT CERTIFIC	CATION	SITE PLAN FOR S						
		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						
		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, 6-hr.			
Basin	Area	Area	Treatment	A Trea	tment B	Treatr	ment C	Treatment D	Weighted	Volume	Flow	
	, , ,	acres)	% (acre		(acres)	%	(acres)	% (acres		(ac-ft)	cfs	
UPLAND		0.594	0%		0.059		0.2375	50% 0.297		0.072		2.10
ALLOWED		0.315	0%		0.032		0.1261	50% 0.158		0.038		1.11
PROPOSED	13730.00	0.315	0%	0 30%	0.095	42%	0.1324	28% 0.088	1.168	0.031		0.96
Weighted E = Ea*Aa + Eb Volume = Weighted D * T Flow = Qa * Aa + Qb * Ab Where for 100-year, 6-ho	otal Area o + Qc * Ac +	Qd * Ad ne 1 0.44 0.67 0.99	d Qa Qb Qc	a= 1.29 b= 2.03 c= 2.87 d= 4.37								
ONSITE Conditons FIRST FLUSH WATER C	F	LUME REQUIR CF)	ED	PRO (CF)	VIDED							
WATER QUALITY	(109		1556	i							
Narrative This site is within the SAE to the national monumen the amount of 2.1 cfs. Th	t. The draina	age divi	de is in acc	cordanc	e to the	master	drainage	e plan basin lir	nes. The s	ite is impact	ted by the up	land flo

CAUTION:

IMPROVEMENTS.

EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY

OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR

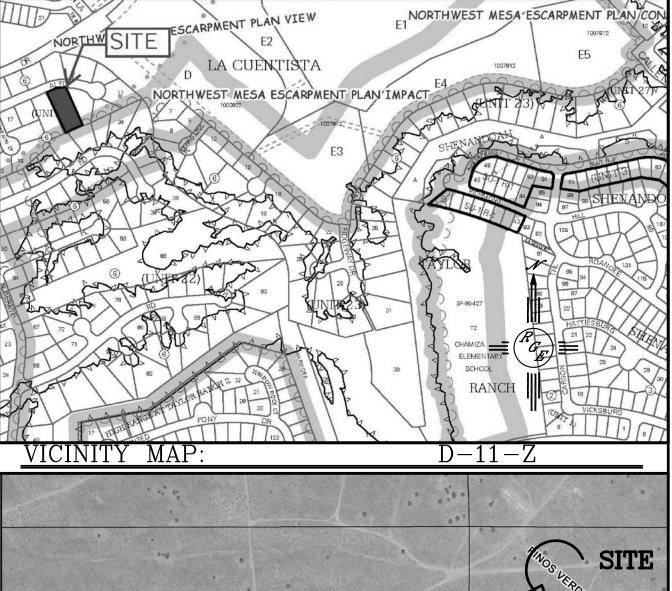
TO ANY EXCAVATION TO DETERMINE THE

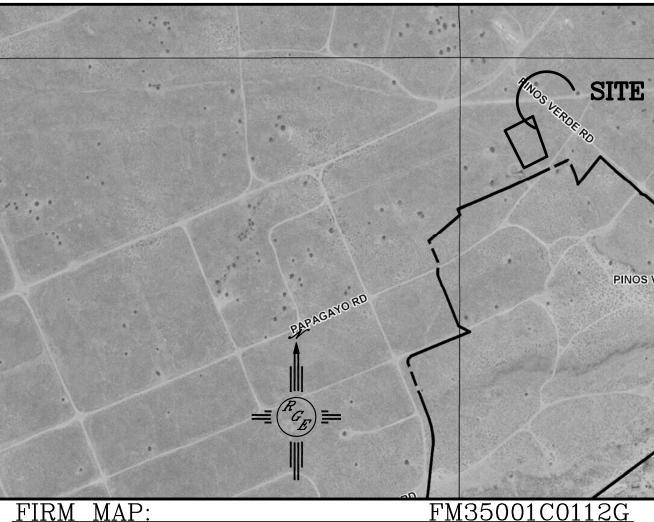
ACTUAL LOCATION OF UTILITIES & OTHER

BUILD FIRST FLUSH POND R=277.09 ─ TOP=5305.71 L=102.30 BOTTOM=5305.00 C=101.72 REQUIRED VOLUME=1060 CU. FT. CB=N77'43'49"E ?=21°09'11" LOT OVERFLOW=5305.71 6212 CAMINO ALTO CT NW CONSTRUCT 22.43' DRIVEWAY AND SIDEWALK PER COA -STD DWG #2405, 2425, 2430 BUILD FIRST FLUSH POND TW=5306.00\ TOP=5305.90 BOTTOM=5305.00 REQUIRED VOLUME=217 CU. FT. TURN 1 BLOCK 2 1 55. © 5306.35 9 7. 5307.00 BW=5303.00 TW=5306.15 5307.00 END 2' EARTHEN BEGIN 2' EARTHEN /=SWALE × 5306.50 BUILD FIRST FLUSH POND \$5307.00 5307.50 TOP=5305.77 BOTTOM=5305.00 REQUIRED VOLUME=279 CU. FT. /-LOT OVERFLOW=5305.77 BEGIN 2' EARTHEN SWALE Project TBM Fnd Rebar w/Cap (LS 2455) Elev=5305.73 END 2' EARTHEN SWALE Fnd 5/8" Rebar



- 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 14, Block 6, Volcano Cliffs Unit 22

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. A PAD CERTIFICATION IS REQURIED PRIOR TO RELEASE OF BUILDING
- 4. ANY PERIMTER WALLS SHALL BE CONSTRUCTED UNDER A SEPARATE BUILDING PERMIT AND MUST CONFORM TO THE APPROVED GRADING PLAN ALLOWING CROSS LOT DRAINAGE

LEGEND

SCALE: 1"=20'

