# CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



April 24, 2017

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

RE: Lot 12 Block 9 Unit 18 Volcano Cliffs SAD 228 8520 Papagayo NW

> Grading and Drainage Plan Engineers Stamp Date 4/21/17 (D10D003I12)

Dear Mr. Soule,

Based upon the information provided in your submittal received 4/21/17, this plan is approved for Grading Permit. **Prior to building permit approval, a pad certification will be required.** A hold on the property will be placed until this certification has been approved.

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 4/21/17.

Albuquerque

New Mexico 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

www.cabq.gov

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

Sincerely,

Dana Peterson, P.E. Senior Engineer, Hydrology Planning Department

RR/SB C: File



COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_

# 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#:				
Legal Description:				
City Address:				
Engineering Firm:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Owner:		Cont	act:	
Address:				
Phone#:	Fax#:		ail:	
Architect:		Cont	Contact:	
Address:				
Phone#: Fax#:		E-ma	ail:	
Other Contact:		Cont	act:	
Address:				
Phone#:	Fax#:		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	PRELIMINARY PLAT APPROVAL	
ENGINEER/ ARCHITECT CERTIFICATION		SITE PLAN FOR SUB'D APPROVAL		
		SITE PLAN FOR BLDG. 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	

# CITY OF ALBUQUERQUE

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April 21, 2017

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

RE: Lot 12 Block 9 Unit 18 Volcano Cliffs SAD 228 6520 Papagayo NW Grading and Drainage Plan Engineers Stamp Date 4/17/17 (D10D003I12)

Dear Mr. Soule,

PO Box 1293

Based upon the information provided in your submittal received 4/18/17, this plan cannot be approved for Grading Permit until the following comments are addressed.

Albuquerque

- Provide an opening in Garden Wall at the SW corner. Added
- Provide the water quality ponds in the rear yard where cross lot flow is to be provided. Flows do not need to leave front yard. Added
- Provide calculations for the openings in the walls. Attached

New Mexico 87103

Added note regarding pad certification

If you have any questions, please contact me at 924-3999 or Rudy Rael at 924-3977.

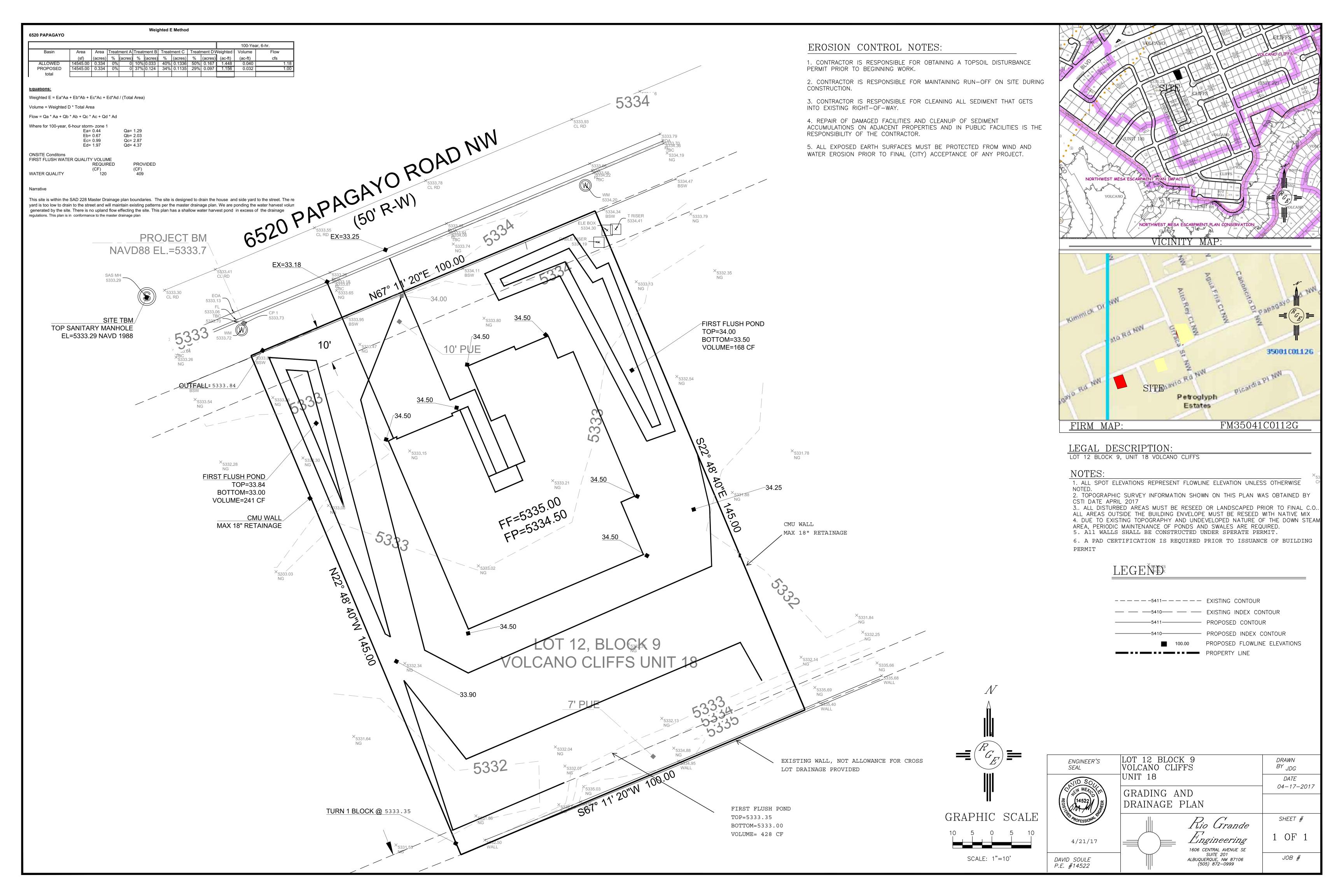
www.cabq.gov

Sincerely,

Shahab Biazar, P.E.

City Engineer, Planning Department Development Building Services

RR/SB C: File



### **TURNED BLOCKS**

#### Weir Equation:

$$Q = CLH^{3/2}$$

West drainage swale thru walls

Q= 2.92 cfs C = 2.95 H = 0.5 ft L = Length of weir

$$Q = 2.95 * .5 * ((0.5)^{(3/2)})$$

Each opening is 6"x6"
Each block has two openings
Each opening has .52 cfs capacity,
Therefore each turned block has 1.04 cfs capacity