

# CITY OF ALBUQUERQUE

Planning Department  
David Campbell, Director



Mayor Timothy M. Keller

July 25, 2018

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

RE: **Lot 26 Block 6 SAD 228**  
**Volcano Cliffs Subdivision**  
**6209 Papagayo NW**  
**Grading and Drainage Plan**  
**Engineers Stamp Date 7/11/18 (D10D003B26)**  
**CO Certification Dated: 7/23/18**

Dear Mr. Soule,

PO Box 1293

Based upon the information provided in your submittal received 7/23/18, this plan cannot be approved for Certificate of Occupancy until the following comments are addressed.

Albuquerque

- Remove the concrete slabs on property to the west of this address.
- Remove all concrete and debris in and around the site.
- Remove the dirt in the streets.
- Opening in front yard garden wall is plugged, clear out the dirt.
- Remove the dirt pile in the front yard.

NM 87103

www.cabq.gov

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

Sincerely,

James D. Hughes, P.E.  
Principal Engineer, Hydrology  
Planning Department

RR/JDH  
C: File D10D003B26



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 6209 papagayo **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** D10d002b14  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** lot 26 block 6 volcano cliffs unit 22  
**City Address:** 6209 papagayo

**Applicant:** lowebo homes **Contact:** \_\_\_\_\_  
**Address:** po box 94385 alb nm 87199  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** RIO GRANDE ENGINEERING **Contact:** DAVID SOULE  
**Address:** PO BOX 93924 ALB NM 87199  
**Phone#:** 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT ☒ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

Check all that Apply:

### DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE  
\_\_\_\_\_ TRAFFIC/ TRANSPORTATION

### TYPE OF SUBMITTAL:

\_\_\_\_\_ ENGINEER/ARCHITECT CERTIFICATION  
\_\_\_\_\_ PAD CERTIFICATION  
\_\_\_\_\_ CONCEPTUAL G & D PLAN  
☒ GRADING PLAN \*\*  
\_\_\_\_\_ DRAINAGE REPORT  
\_\_\_\_\_ DRAINAGE MASTER PLAN  
\_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT APPLIC  
\_\_\_\_\_ ELEVATION CERTIFICATE  
\_\_\_\_\_ CLOMR/LOMR  
\_\_\_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)  
\_\_\_\_\_ TRAFFIC IMPACT STUDY (TIS)  
\_\_\_\_\_ STREET LIGHT LAYOUT  
\_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_  
\_\_\_\_\_ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes \_\_\_\_\_ No

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

\_\_\_\_\_ BUILDING PERMIT APPROVAL  
☒ CERTIFICATE OF OCCUPANCY  
\_\_\_\_\_ PRELIMINARY PLAT APPROVAL  
\_\_\_\_\_ SITE PLAN FOR SUB'D APPROVAL  
\_\_\_\_\_ SITE PLAN FOR BLDG. PERMIT APPROVAL  
\_\_\_\_\_ FINAL PLAT APPROVAL  
\_\_\_\_\_ SIA/ RELEASE OF FINANCIAL GUARANTEE  
\_\_\_\_\_ FOUNDATION PERMIT APPROVAL  
\_\_\_\_\_ GRADING PERMIT APPROVAL  
\_\_\_\_\_ SO-19 APPROVAL  
\_\_\_\_\_ PAVING PERMIT APPROVAL  
☒ GRADING/ PAD CERTIFICATION  
\_\_\_\_\_ WORK ORDER APPROVAL  
\_\_\_\_\_ CLOMR/LOMR  
\_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT  
\_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

**DATE SUBMITTED:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

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

FEE PAID: \_\_\_\_\_



Weighted E Method

										100-Year, 6-hr.		
Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B (acres)	Treatment C %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs			
ALLOWED	14177.00	0.325	0%	0	20%	0.065	46%	0.1497	34%	0.111	1.259	0.034
PROPOSED	14177.00	0.325	0%	0	20%	0.065	42%	0.1367	48%	0.156	1.495	0.041
COMPARISON												1.05
												1.21
												0.006

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 (CF)	PROVIDED (CF)
WATER QUALITY	193	619
FLOOD CONTROL	279	619

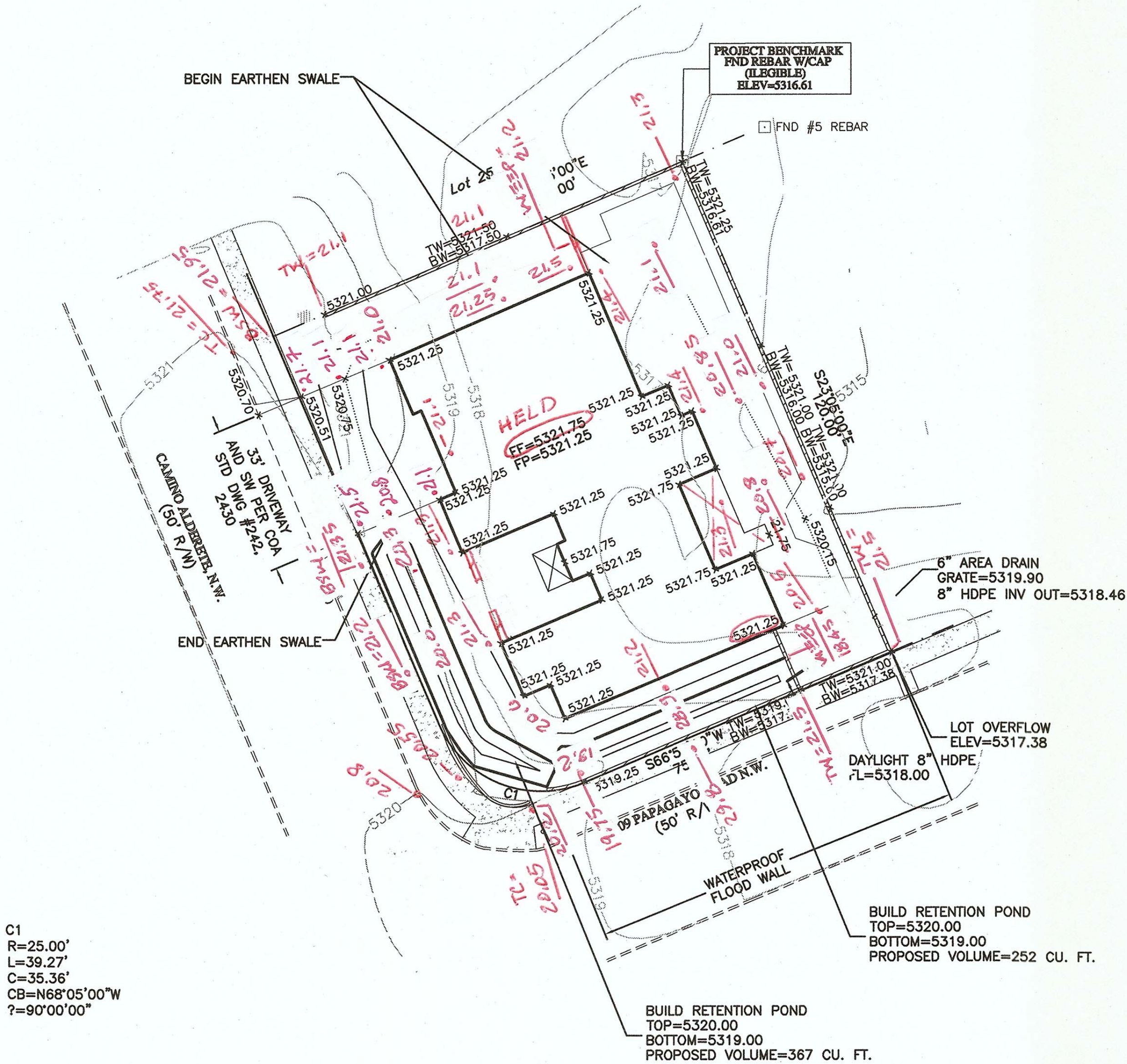
Narrative

This site is within the SAD 226 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

I David Soule, NMPE 14522 , of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 7/11/18. 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 as-built survey was provided by THOMAS PATRICK NMPS 12651. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. 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



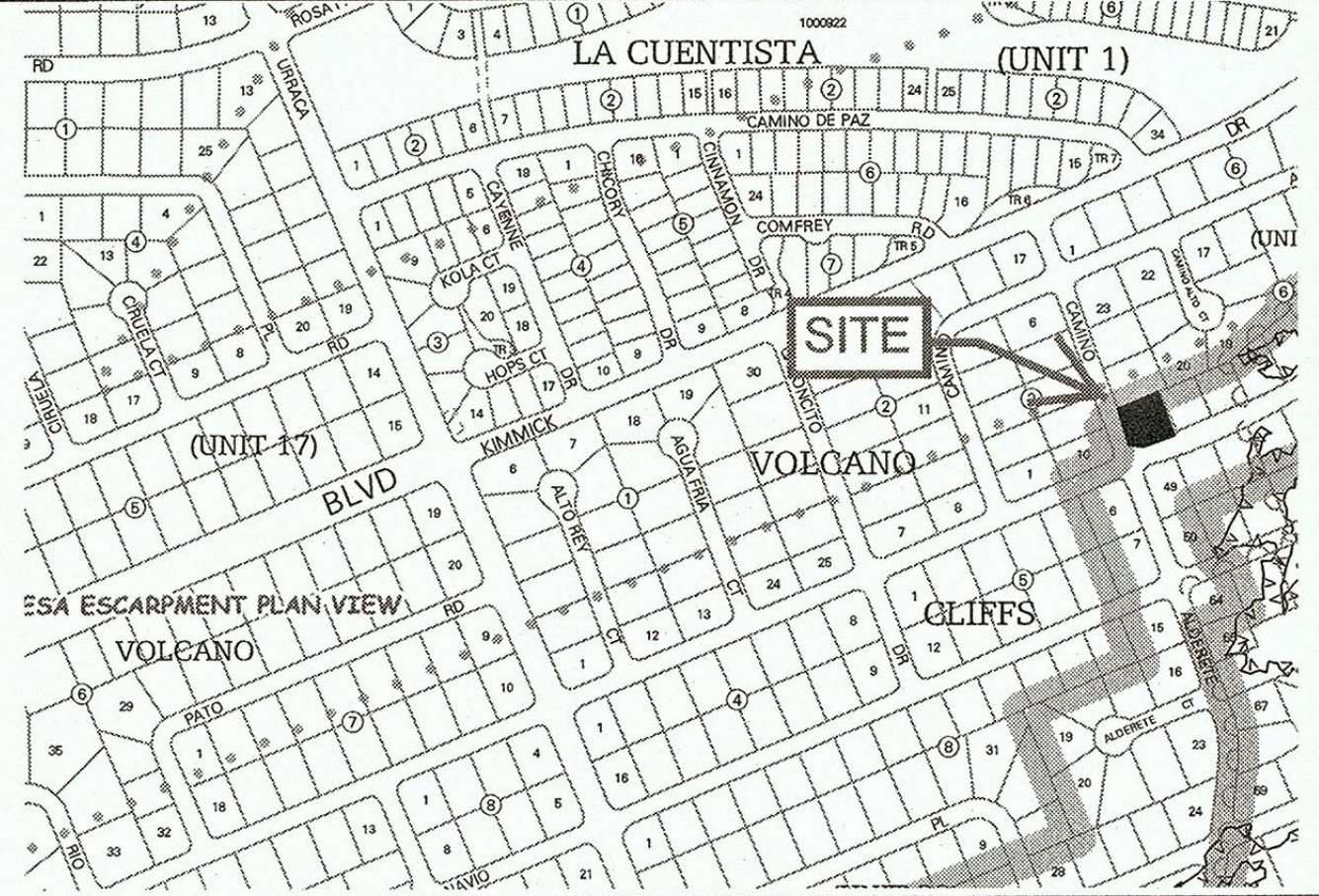
7/23/18



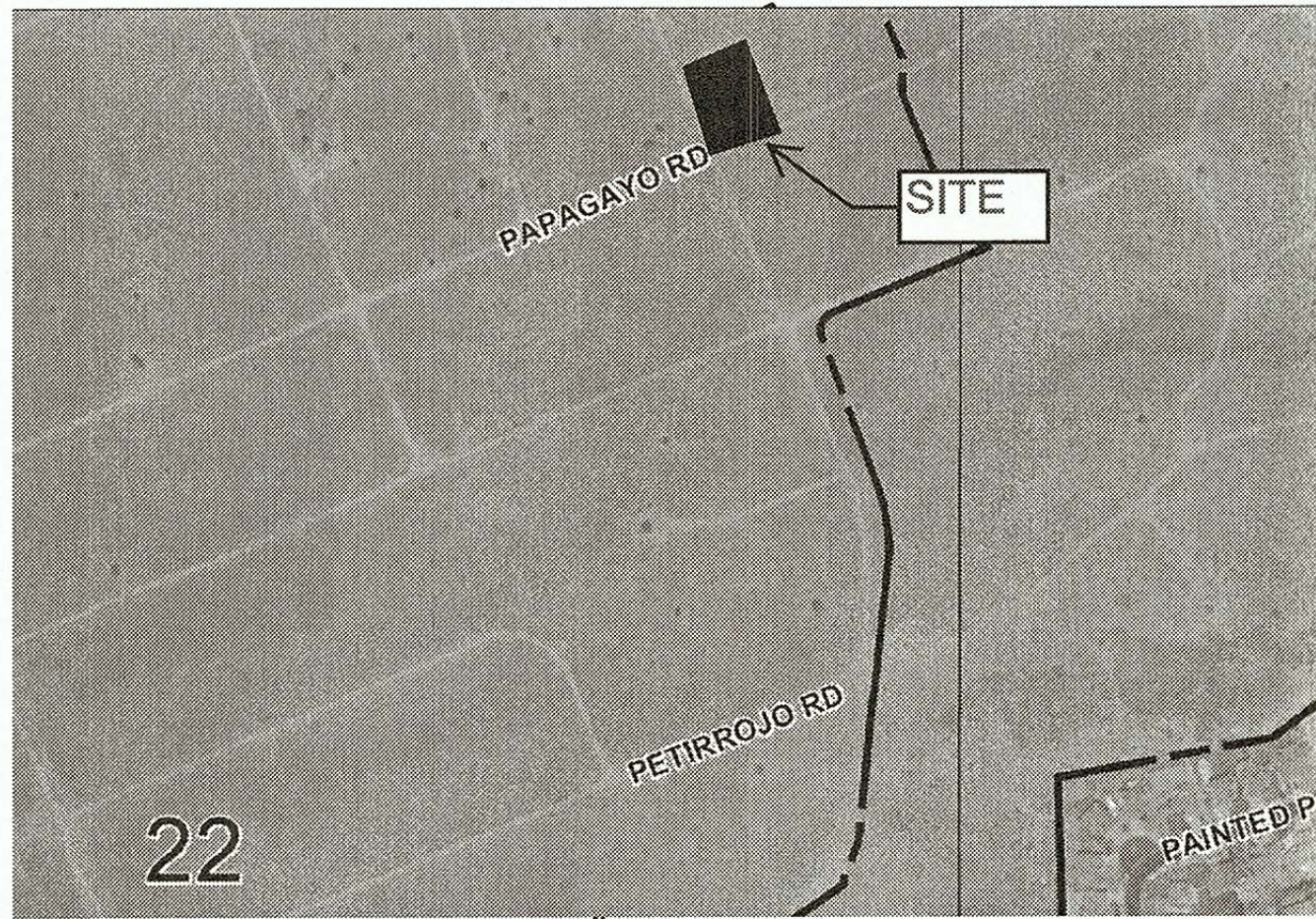
C1  
R=25.00'  
L=39.27'  
C=35.36'  
CB=N68°05'00"W  
?≈90°00'00"

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.



VICINITY MAP:



FIRM MAP:

FM35001C0112G

LEGAL DESCRIPTION:

LOT 26, BLOCK 6, VOLCANO CLIFFS

NOTES:

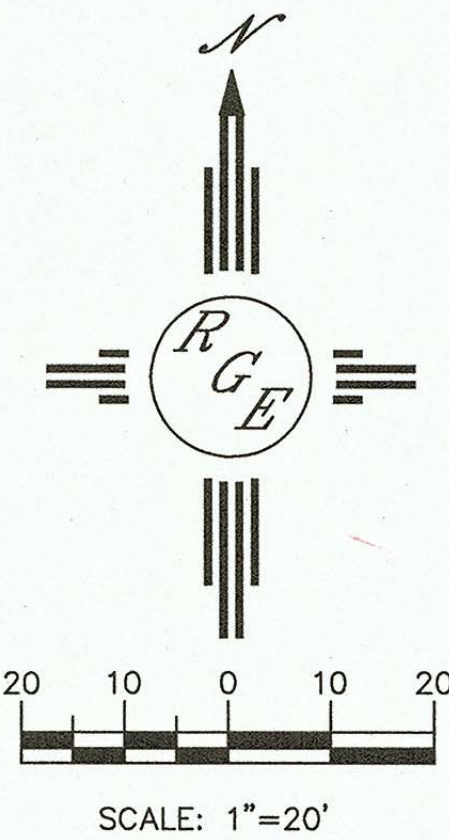
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL DRAINAGE STRUCTURES, SWALES, POND AND SLOPE SHALL REQUIRE LONG TERM MAINTENANCE

LEGEND

---	EXISTING CONTOUR
- - - -	EXISTING INDEX CONTOUR
- . . . -	PROPOSED CONTOUR
- x x x x -	PROPOSED INDEX CONTOUR
- x x x x -	SLOPE TIE
• x x x x	EXISTING SPOT ELEVATION
• x x x x	PROPOSED SPOT ELEVATION
---	BOUNDARY
- - - -	CENTERLINE
- - - -	RIGHT-OF-WAY
=====	EXISTING CURB AND GUTTER
=====	PROPOSED RETAINING WALL-DESIGN BY OTHERS

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.



ENGINEER'S SEAL	6209 PAPAGAYO ROAD NW	DRAWN BY WCWJ
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 7-10-18
7/11/18	Rio Grande Engineering 1806 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # —
DAVID SOULE P.E. #14522		JOB # 21800