

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

November 5, 2019

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

RE: **Lot 18 Block 7, Volcano Cliffs, Unit 18, SAD 228
6531 Papagayo NW
Grading and Drainage Plan
Engineers Stamp Date 11/4/19 (D10D003L10)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 11/4/19, this plan is approved for Grading Permit.

PO Box 1293

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

Albuquerque

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. Also, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

NM 87103

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

www.cabq.gov

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

Sincerely,

Shahab Biazar, P.E.
City Engineer, Planning
Division Manager

RR/SB
C: File D10D003L10



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6531 PAPAGAYO NW **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 18 BLOCK 7 VOLCANO CLIFFS UNIT 18
City Address: 6531 PAPAGAYO

Applicant: OSCAR PINION **Contact:** _____
Address: _____
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 APPROVAL/ACCEPTANCE SOUGHT:
 BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY

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?

___ 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) _____

IS THIS A RESUBMITTAL?: ___ Yes No

DATE SUBMITTED: _____ By: _____

COA STAFF: _____

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				Weighted E (ac-ft)	100-Year, 6-hr. Volume (ac-ft)	Flow cfs	24 hour Volume (ac-ft)				
			A	B	C	D								
ALLOWED	14324.00	0.329	0%	0	20%	0.066	46%	0.1513	34%	0.112	1.259	0.035	1.06	0.039
PROPOSED	14324.00	0.329	0%	0	20%	0.066	37%	0.1217	43%	0.141	1.347	0.037	1.10	0.042
COMPARISON														

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted E * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm-zone 1

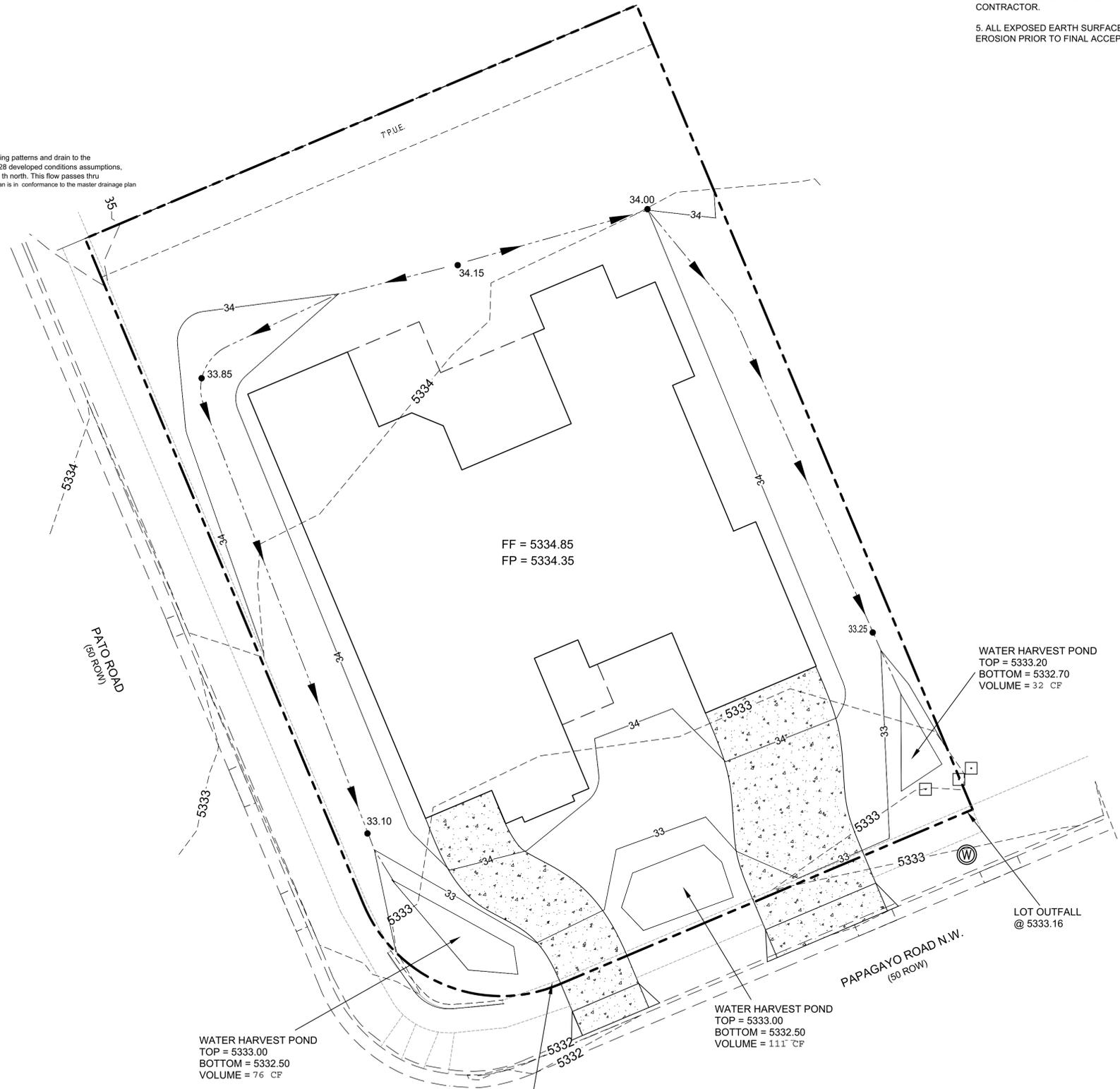
- Ea= 0.44
- Eb= 0.67
- Ec= 0.99
- Ed= 1.97
- Qa= 1.29
- Qb= 2.03
- Qc= 2.87
- Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY	REQUIRED (CF)	PROVIDED (CF)
FLOOD CONTROL	155	219

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway to the south per the master drainage plan. The site does exceed the SAD 228 developed conditions assumptions, therefore ponding is required. Minor upland flow enters the site from the rear yard of the lot to the north. This flow passes thru the ponding area. We are ponding the water harvest volume generated by the site there is no measurable upland flow. This plan is in conformance to the master drainage plan.



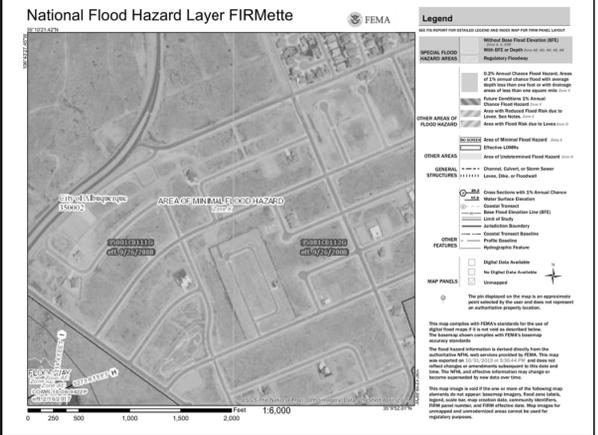
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: D-10-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 18 BLOCK 7 UNIT 18 VOLCANO CLIFFS CITY OF ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.

LEGEND

---XXXX---	EXISTING CONTOUR
---XXXX---	EXISTING INDEX CONTOUR
---XXXX---	PROPOSED CONTOUR
---XXXX---	PROPOSED INDEX CONTOUR
+XXXX	EXISTING SPOT ELEVATION
●XXXX	PROPOSED SPOT ELEVATION
---	BOUNDARY
---	PROPOSED EARTHEN SWALE
---	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
=====	PROPOSED CONCRETE DRIVEWAY



ENGINEER'S SEAL	LOT 18 BLK 7 UN 18 VOLCANO CLIFFS 6531 PAPAGAYO RD. N.W.	DRAWN BY DEM
	GRADING AND DRAINAGE PLAN	DATE 10-31-19
11/4/19	 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899	LOT 18 BLK 7 UN 18 VOLCANO CLIFFS
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #