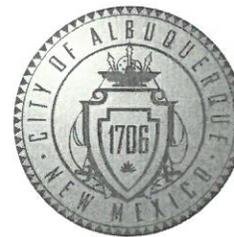


CITY OF ALBUQUERQUE



January 27, 2017

Richard J. Berry, Mayor

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

RE: **Bruno Residence**
8001 Fuji Court
Grading Plan
Engineer's Stamp Date 1/13/17 (File: E10D029)

Dear Mr. Soule:

Based upon the information provided in your submittal received 01/13/2017, the Grading Plan is not approved for Building Permit. The following comments need to be addressed for approval of the above referenced project:

1. For historic flowpaths to adjoining lots, retain at least 50% of the proposed conditions 100-year, 24-hour event. Currently the pond is sized to hold only 633 cubic feet.
2. This site is within Special Assessment District 227, not 226, update the narrative to reflect.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

Orig: Drainage file



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** D10D003F4
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: _____
City Address: _____

Engineering Firm: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

- HYDROLOGY/ DRAINAGE
- TRAFFIC/ TRANSPORTATION
- MS4/ EROSION & SEDIMENT CONTROL

CHECK 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

TYPE OF SUBMITTAL:

- ENGINEER/ ARCHITECT CERTIFICATION
- CONCEPTUAL G & D PLAN
- GRADING PLAN
- DRAINAGE MASTER PLAN
- DRAINAGE REPORT
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)
- TRAFFIC IMPACT STUDY (TIS)
- EROSION & SEDIMENT CONTROL PLAN (ESC)
- OTHER (SPECIFY) _____

- PRE-DESIGN MEETING
- OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: Yes No

DATE SUBMITTED: _____ By: _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year, 6-hr.		Flow cfs				
			%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)					
NATIVE	15031.00	0.345	80%	0.2761	10%	0.035	10%	0.03451	0.000	0.518	0.015	0.53	
ALLOWED	15031.00	0.345	0%	0	10%	0.035	40%	0.13803	50%	0.173	1.448	0.042	1.22
PROPOSED	15031.00	0.345	0%	0	28%	0.097	23%	0.07936	49%	0.169	1.381	0.040	1.16
INCREASE													
total													0.025

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

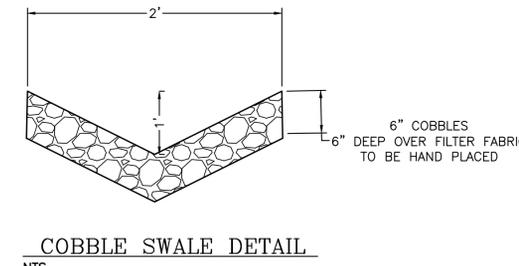
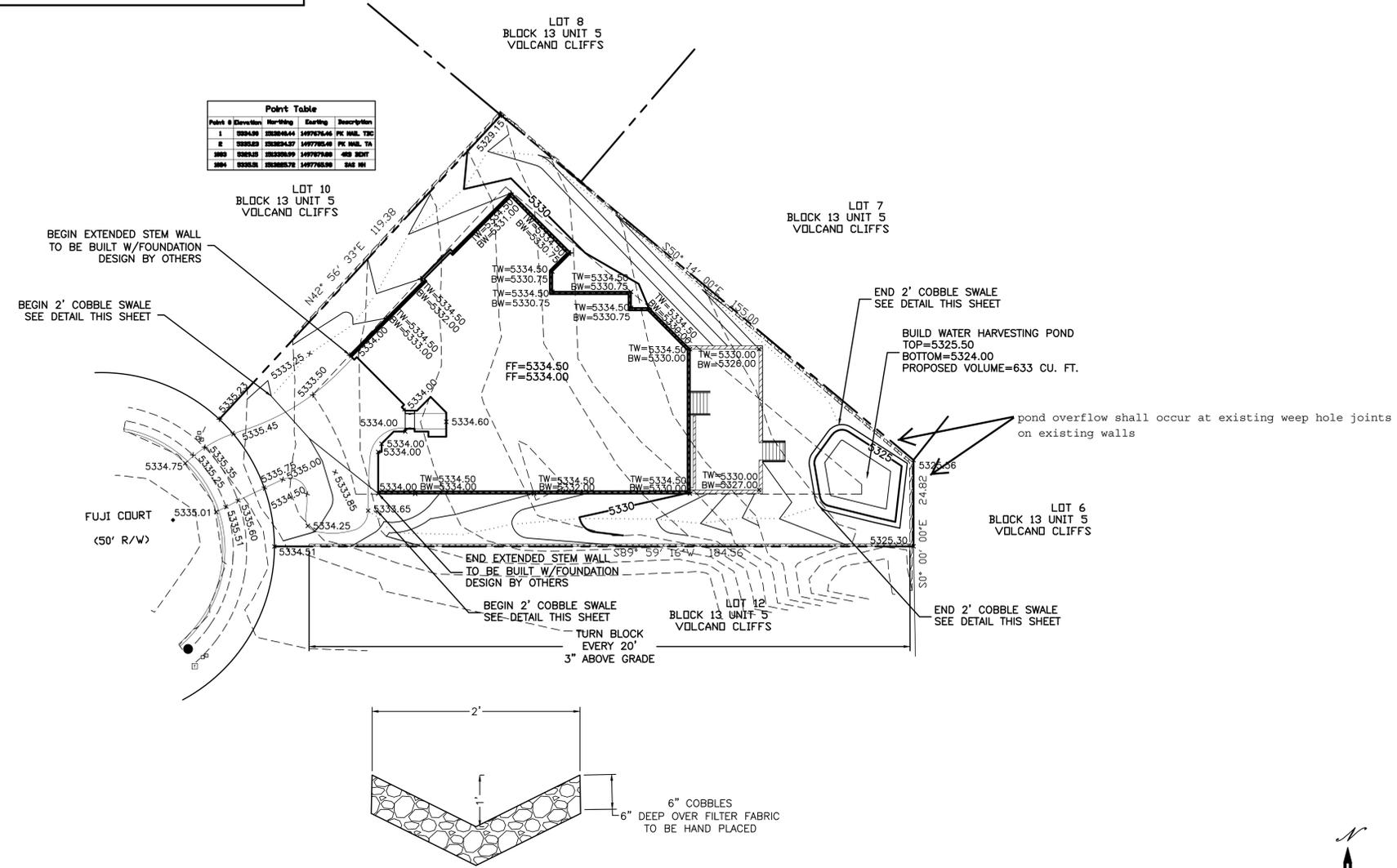
Where for 100-year, 6-hour storm- zone 1
 Ea= 0.44 Qa= 1.29
 Eb= 0.67 Qb= 2.03
 Ec= 0.99 Qc= 2.87
 Ed= 1.97 Qd= 4.37

ONSITE Conditions	FIRST FLUSH WATER QUALITY VOLUME	
	REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	209	633

Narrative
 This site is within the SAD 226 Master Drainage plan boundaries. The site is to drain to the adjacent street per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing the minor upland flow to pass thru the site. This plan has a shallow water harvest pond per the drainage regulati This plan is in conformance to the masterplan

Point Table

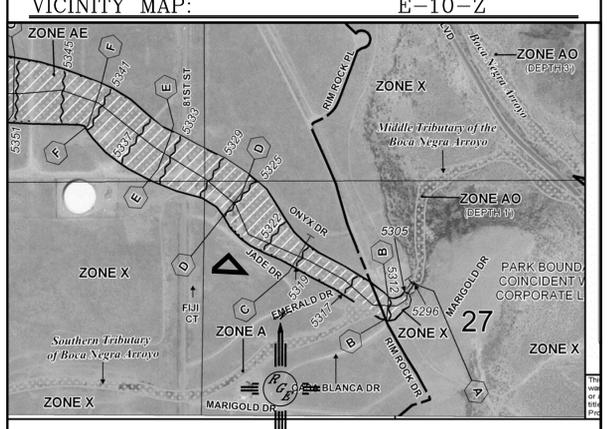
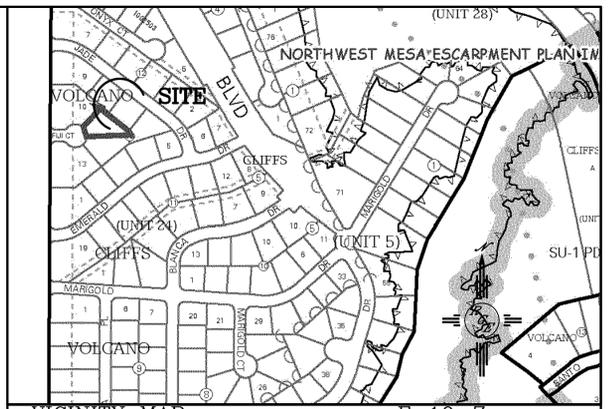
Point #	Elevation	Northing	Easting	Description
1	5334.00	28280.644	149776.64	PK. MAIL. TIC
2	5334.00	28280.647	149776.64	PK. MAIL. TA
300	5334.00	28280.699	149776.68	4th BENT
301	5334.00	28280.78	149776.68	5th BENT



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.



LEGAL DESCRIPTION:
 LOT 11, BLOCK 13, VOLCANO CLIFFS, UNIT - 5

- 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.

LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
-----XXXX-----	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	CENTERLINE
-----	RIGHT-OF-WAY
=====	EXISTING CURB AND GUTTER
-----	PROPOSED CMU SCREEN WALL



	8001 FIJI COURT BRUNO RESIDENCE	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 1-12-17
1/13/17	<p>Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999</p>	21701-LAYOUT-1-10-17
DAVID SOULE P.E. #14522		SHEET # ---
		JOB # 21701