

# CITY OF ALBUQUERQUE



March 6, 2017

Richard J. Berry, Mayor

David Soule, P.E.  
Rio Grande Engineering.  
Po box 93924  
Albuquerque, NM, 87199

**RE:** Starbucks and T-Mobile  
Lot 3B and 4A Krania Subdivision  
Grading and Drainage Plan  
Engineer's Stamp Date 2-23-2017 (File: K09D031C)

Dear Mr. David:

Based upon the information provided in your submittal received 2-27-2017, the above referenced Grading and Drainage Plan cannot be approved for building permit and site plan for building permit until the following comments are addressed:

1. The drain must be extended to a grease trap and then to sanitary sewer system.
2. T-Mobile doesn't need area drain for trash enclosure.
3. Provide cross access and drainage easement. The survey provided doesn't provide the cross access of easement drainage.
4. Provide documentation allowing free discharge from this site.

If you have any questions, you can contact me at 924-3999.

Sincerely,

Shahab Biazar, P.E.  
City Engineer, Planning Dept.  
Development Review Services

MA/SB



# 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#:** \_\_\_\_\_ **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

**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) \_\_\_\_\_

**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
- ☐ PRE-DESIGN MEETING  
☐ OTHER (SPECIFY) \_\_\_\_\_

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

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

COA STAFF: \_\_\_\_\_ ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

February 24, 2017

Ms. Marwa Al-Najjar  
Associate Engineer  
Planning Department  
City of Albuquerque

**RE: Revised Grading Plan (K09-D031C)  
Starbucks and t-mobile  
Albuquerque, New Mexico**

Dear Ms. Al-Najjar:

The purpose of this letter is to accompany the enclosed revised grading plan for the development. The grading plan for this site has been revised to address your written comments dated 1/20/17. The following is a summary of your comment and the narrative as to how we addressed

1. Add grades and area drains in dumpster  
**We have added a spots and area drain to dumpster.**
2. Provide first flush calculations  
**We have added the calculations to the sheet and attached spread sheet.**
3. Depress all landscaping included area behind dumpster.  
**We have depressed landscaping.**
4. Provide documentation on free discharge.  
**This is a pad site of the Krania subdivision. The developed condition assumptions are located in File K09/D031.**
5. Show all easements  
**We have enclosed an Alta that shows all easements**
6. include BM  
**We have added.**
7. An ESC must be submitted prior to approval  
**An Esc should have been submitted by others.**

Should you have any questions regarding this matter, please do not hesitate to call me.

Sincerely,

David Soule, PE  
RIO GRANDE ENGINEERING  
PO Box 93924  
ALBUQUERQUE, NM 87199  
321-9099

Enclosures

## Weighted E Method

### Existing Developed Basins

											100-Year, 6-hr.		
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
			%	(acres)	%	(acres)	%	(acres)	%	(acres)			
EXISTING	43878	1.007	5%	0.05037	15.0%	0.151	75.0%	0.75548	5%	0.050	0.964	0.081	2.76
PROPOSED	43878	1.007	0%	0	10.0%	0.101	5.0%	0.05037	85%	0.856	1.791	0.150	4.09

### Equations:

Weighted E =  $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$  / (Total Area)

FIRST FLUSH 994.568

Volume = Weighted D \* Total Area

Flow =  $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm (zone 2)

E <sub>a</sub> = 0.44	Q <sub>a</sub> = 1.29
E <sub>b</sub> = 0.67	Q <sub>b</sub> = 2.03
E <sub>c</sub> = 0.99	Q <sub>c</sub> = 2.87
E <sub>d</sub> = 1.97	Q <sub>d</sub> = 4.37

This site is a pad site for the Krania Subdivision. The subdivision is a retail development with two large buildings and several pads sited. This project will complete the project. This site is being developed consistently with the existing pads that were developed within (K09D031). The site has depressed landscape areas and has retained the first flush. This site sheet flows to an existing storm drain collection system located west of this pad.









SEPTEMBER, 2016

## ENT LEGEND

- Plat Book 2013C, Page 99.

L7	50.74	N11°06'36"W
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## UTILITY DISCLAIMER

VERIFIED BY THE APPROPRIATE UTILITY.

