

# CITY OF ALBUQUERQUE

Planning Department  
David Campbell, Director



Mayor Timothy M. Keller

February 11, 2019

Martin Garcia, P.E.  
Anchor Engineering LLC  
1035 S. Bosque Loop  
Bosque Farms, NM, 87123

**RE: Enterprise Rent-a-Car  
Revised Grading and Drainage Plan  
Engineer's Stamp Date: 01/18/19  
Hydrology File: N15D016**

Dear Mr. Garcia:

Based upon the information provided in your submittal received 02/07/2019, the revised Grading and Drainage Plan is approved for Grading Permit.

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Curtis Cherne, PE, [ccherne@cabq.gov](mailto:ccherne@cabq.gov), 924-3420) 14 days prior to any earth disturbance.

Please provide a Drainage Covenant per Chapter 17 of the DPM for the stormwater quality pond prior to the Engineer Certification for the pond. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be required.

Once the pond is completed, an Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department



For more details about the Integrated Development Ordinance visit: <http://www.tulsa.gov/planning/codes/policies/regulations/integrated-development-ordinance>

**IDO Zone Atlas**  
**May 2018**

**AGIS**  
AGRICULTURAL GROWTH INITIATIVE SYSTEM

**IDO Zoning information as of May 17, 2018**  
The Zone Districts and Overlay Zones are established by the Integrated Development Ordinance (IDO).

**Zone Atlas Page: N-15-Z**

**Legend:**

- Easement
- Escrow
- Petroglyph National Monument
- Areas Outside of City Limits
- Airport Protection Overlay (APO) Zone
- Character Protection Overlay (CPO) Zone
- Historic Protection Overlay (HPO) Zone
- View Protection Overlay (VPO) Zone
- Graveling Represents Area Outside of the City Limits

**Scale:** 0 250 500 1,000 Feet

**North Arrow:** N

**PANEL 0342G**

# FIRM

**FLOOD INSURANCE RATE MAP  
BERNALILLO COUNTY,  
NEW MEXICO  
AND INCORPORATED AREAS**

**PANEL 342 OF 825**

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY	NUMBER	PANEL	SUFFIX
MUNICIPALITY CITY OF BERNALILLO COUNTY	350002	0342	G
UNINCORPORATED AREAS	350001	0342	G

Notice to User: This Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER  
35001C0342G**

**MAP REVISED  
SEPTEMBER 26, 2008**

Federal Emergency Management Agency

ENTERPRISE RENT-A-CAR				
Hydrology Calculations				
Date: October 4, 2016				
DPM - Section 22.2				
Volume 2, January 1993				
Precipitation Zone	2			
100 Year Storm Depth, P (360)	2.35			
Treatment Area	A	B	C	D
Excess Precipitation Factors	0.53	0.78	1.13	2.12
Peak Discharge Factors	1.56	2.28	3.14	4.70
Land Treatment Area	Acres	Existing		Proposed
Type "D" (Roof)		0.00		3.88
Type "C" (Unpaved Roadway)		2.00		0.18
Type "B" (Irrigated Lawns)		2.06		0.00
Type "A" (Undeveloped)		0.00		0.00
Total (Acres)		4.06		4.06
Excess Precipitaion(in)		0.95		2.08
Volume (100), cf		14036.48		30597.27
Volume (25), cf		11229.19		24477.82
Pond Calculations				
86 CONTOUR	_____ 6004.14 SF			
87 CONTOUR	_____ 12813.00 SF			
88 CONTOUR	_____ 27,184.19 SF			
$\frac{6004.14+12813.00+27184.19}{3} \times 2 = 30667.55 \text{ CF}$				
POND VOLUME PROVIDED = 30667.55 CF				
POND VOLUME REQUIRED = 30597.27 CF				



THE PURPOSE OF THIS GRADING AND DRAINAGE PLAN IS TO ACCOMMODATE FOR A NEW PARKING/STORAGE LOT. THE LOT IS PROPOSED TO BE FINISHED WITH ASPHALT MILLINGS. THE SITE CURRENTLY IS AN UNIMPROVED LOT AND IS BOUND TO THE NORTH BY IMPROVED LOTS, TO THE WEST BY THE UNM SOUTH GOLF COURSE, TO THE SOUTH BY AN UNIMPROVED LOT AND TO THE EAST BY UNIVERSITY BLVD S.E.

THE SITE CURRENTLY SLOPES FROM THE EAST TO THE WEST AND DRAINS INTO THE UNM SOUTH GOLF COURSE AT APPROXIMATELY 2.4% SLOPE. THE PROPOSED GRADING PLAN HEREON, WOULD ACCOMMODATE ALL RUN-OFF TO A NEW DETENTION POND WHERE ALL RUN-OFF WOULD DISCHARGE INTO AN EXISTING STORM DRAIN MANHOLE WITH A SLOTTED LID AND BE USED AS AN INLET.

THE SITE DRAINAGE WAS ANALYZED USING THE CURRENT VERSION ON AHYMO AND THE HIGH WATER ELEVATION BASED ON THE SITE CHARACTERISTICS, AND THE HIGH WATER ELEVATION IS 5186.88

THE SITE IS OUTSIDE THE FLOOD PLAIN AS DESIGNATED AS "ZONE X" PER FEMA FLOOD PLAIN PANEL 35001C0342G, DATED SEPTEMBER 26, 2008

**Anchor**  
Engineering, LLC

1160 Bosque Farms Blvd, Suite E, Bosque Farms, NM 87068  
505-362-1130  
magn@anchorengineer.net

[illegible]

PROJECT NO.	18-095
DATE:	1.18.2019
DRAWN BY:	F PHILLIPS
CHECKED BY:	M GARCIA
SCALE:	1" = 30'

PROJECT TITLE	ENTERPRISE RENT-A-CAR STORAGE LOT AIRPORT TECHNICAL CENTER ALBUQUERQUE, NEW MEXICO
SHEET TITLE	GRADING AND DRAINAGE PLAN

SHEET

# C1