CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



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

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, 924-3420) 14 days prior to any earth disturbance.

NM 87103

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.

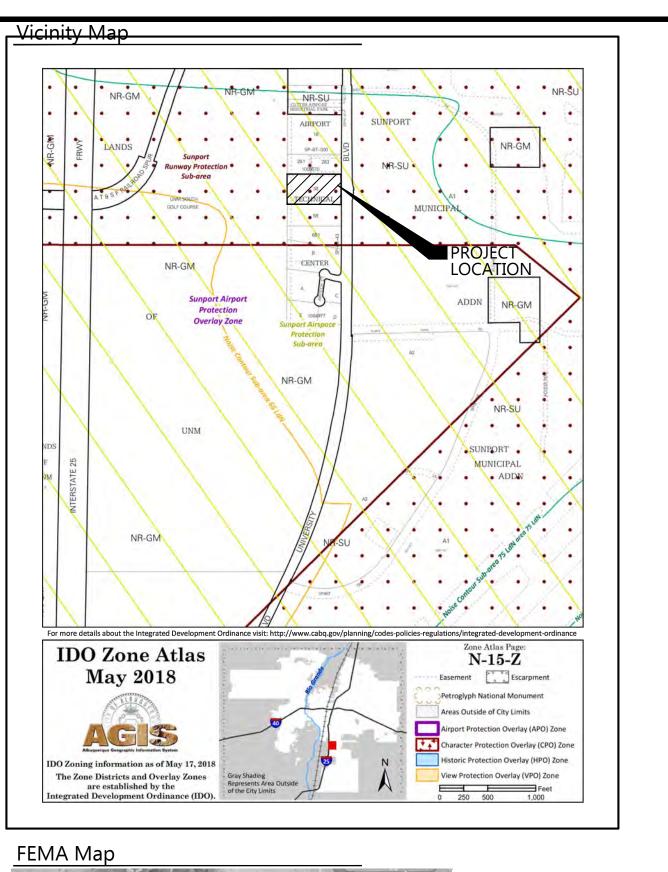
www.cabq.gov

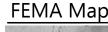
Once the pond is completed, an Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Renée C. Brissette

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







Drainage Calculations

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	В	С	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

ENTERPRISE RENT-A-CAR

Pond Calculations

86 CONTOUR — ——— 6004.14 SF 87 CONTOUR — 12813.00 SF 88 CONTOUR — 27,184.19 SF

6004.14 + 12813.00 + 27184.19 X 2 = 30667.55 CF

POND VOLUME PROVIDED = 30667.55 CF POND VOLUME REQUIRED = 30597.27 CF

Drainage Narrative

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

LEGAL DESCRIPTION:

TRACT 3-B, AIRPORT TECHNICAL CENTER (REPLAT MAP FOR LOTS 1, 2-A, 3-A, 5, 6-A AND 8-A), CITY OF ALBUQUERQUE, COUNTY OF BERNALILLO, NEW MEXICO

101505428540510236

THE PROJECT BENCHMARK FOR THIS GRADING PLAN IS A FOUND PK NAIL WITH DISK FOUND ALONG THE EXISTING SIDEWALK AND ALONG THE EAST PROPERTY FRONTAGE OF THE PROJECT LOT, STAMPED "SURV_TEK CONTROL"

N: 1470452.36 E: 1527015.39 ELEV: 5207.27'

PROPERTY BOUNDARY **EXISTING CONTOUR NEW CONTOUR** LIMITS OF POND

NEW PERIMETER FENCE

98.00

NEW SPOT ELEVATION

TOP OF GRATE ELEVATION

GRADING

