## CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



March 14, 2019

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

**RE:** T&M Self Storage

2301 Vista Oriente St NW Grading and Drainage Plan Engineer's Stamp Date: 02/12/19

**Hydrology File: H10D032** 

Dear Mr. Garcia:

Albuquerque

www.cabq.gov

Based upon the information provided in your submittal received 03/12/2019, the revised Grading

and Drainage Plan is approved for Building Permit.

Please attach a copy of this approved plan in the construction sets for Building Permit processing. Prior to approval in support of Permanent Release of Occupancy by Hydrology,

Engineer Certification per the DPM checklist will be required.

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.

Also as a reminder, please provide and Drainage Covenant for the Stormwater Quality ponds per Chapter 17 of the DPM prior to Permanent Release of Occupancy. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be required.

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

Sincerely,

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

Renée C. Brissette

Planning Department



COA STAFF:

# City of Albuquerque

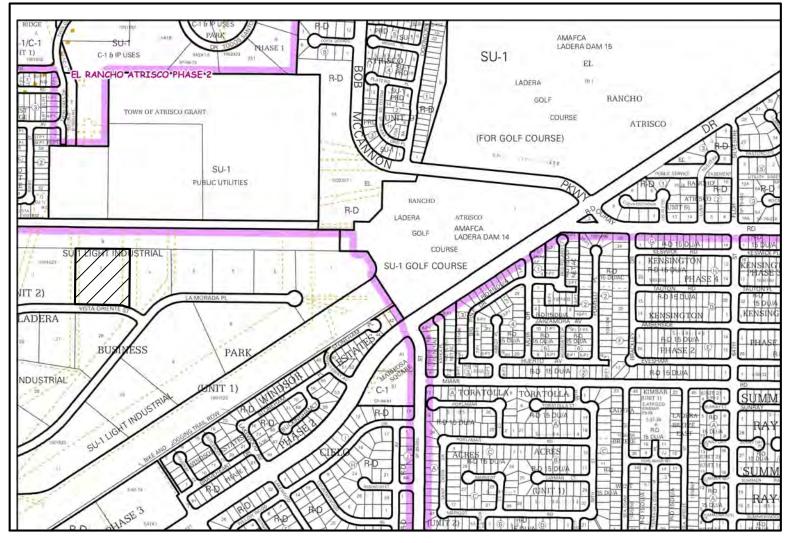
# Planning Department Development & Building Services Division

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title:	Building F	ermit #: Hydrology File #:		
DRB#:	EPC#:	Work Order#:		
Legal Description:				
City Address:				
Applicant:		Contact:		
Address:				
		E-mail:		
Owner:		Contact:		
Address:				
		E-mail:		
	T (			
TYPE OF SUBMITTAL: PLA	T (# OF LOTS)	RESIDENCE DRB SITE ADMIN SITE		
IS THIS A RESUBMITTAL?:	Yes	No		
<b>DEPARTMENT:</b> TRAFFIC/ T	RANSPORTATION	HYDROLOGY/ DRAINAGE		
Check all that Apply:				
Check an that Appry.		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:		
TYPE OF SUBMITTAL:		BUILDING PERMIT APPROVAL		
ENGINEER/ARCHITECT CERT	TIFICATION	CERTIFICATE OF OCCUPANCY		
PAD CERTIFICATION		PRELIMINARY PLAT APPROVAL		
CONCEPTUAL G & D PLAN		SITE PLAN FOR SUB'D APPROVAL		
GRADING PLAN		SITE PLAN FOR BLDG. PERMIT APPROVAL		
DRAINAGE MASTER PLAN		SITE TEAM TON BEBO! TEAMIT ANTROVAL		
DRAINAGE REPORT		SIA/ RELEASE OF FINANCIAL GUARANTEE		
FLOODPLAIN DEVELOPMEN	T PERMIT APPLIC	FOUNDATION PERMIT APPROVAL		
ELEVATION CERTIFICATE		GRADING PERMIT APPROVAL		
CLOMR/LOMR		SO-19 APPROVAL		
TRAFFIC CIRCULATION LAYOUT (TCL)		PAVING PERMIT APPROVAL		
TRAFFIC IMPACT STUDY (TIS)		GRADING/PAD CERTIFICATION		
OTHER (SPECIFY)		WORK ORDER APPROVAL		
PRE-DESIGN MEETING?		CLOMR/LOMR		
		FLOODPLAIN DEVELOPMENT PERMIT		
		OTHER (SPECIFY)		
		OTHER (SLECIFT)		
DATE SURMITTED:	$R_{W^*}$			
DATE SUBMITTED.				

ELECTRONIC SUBMITTAL RECEIVED:\_\_\_

FEE PAID:\_\_\_\_



### **Drainage Narrative**

THE PURPOSE OF THIS GRADING AND DRAINAGE PLAN FOR 2301 VISTA ORIENTE STREET N.W. IS TO ACCOMMODATE A NEW SELF STORAGE FACILITY AND PROVIDE FOR POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AS DEMONSTRATED HEREON.

CURRENTLY THE SITE IS AN UNIMPROVED LOT BOUNDED TO THE WEST AND EAST BY UNIMPROVED LOTS, TO THE NORTH BY THE LADERA DIVERSION CHANNEL AND TO THE SOUTH BY VISTA ORIENTE STREET, AND CURRENTLY SLOPES FROM THE WEST TO THE EAST TO THE VACANT LOT TO THE EAST. THE PROPOSED GRADING AND DRAINAGE PLAN WOULD ACCOMMODATE ALL OF THE RUN-OFF FROM THE PROPOSED CONSTRUCTION TO DRAIN TO THE SOUTHEAST TO A STORM WATER QUALITY POND WITH A STORM DRAIN INLET THAT WILL CONNECT TO THE EXISTING 18" CMP STUB AS SHOWN. THE SITE HAS FREE DISCHARGE INTO THE STORM DRAIN.

THE SITE IS OUTSIDE OF THE FLOOD PLAIN AS DESIGNATED AS ZONE"X" PER FEMA FLOOD PLAIN PANEL 35001C0326J, DATED NOVEMBER 4, 2016.

**Pond Calculations** 

STORM WATER POND

PONDING PROVIDED:

A57 = 1015.85 SFA58 = 1754.38 SF

A59 = 3331.09 SF

#### Drainage Calculations

VICTA ODIE	ITE CEL	E STORAG		
VISTA ORIEI	NIE SEL	FSTURAG	,E	
Hydrology Calculations		-		
DPM - Section 22.2		1		
Volume 2, January 1993				
Precipitation Zone	1			
100 Year Storm Depth, P (360)	2.2			
Treatment Area	Α	В	С	D
Excess Precipitation Factors	0.44	0.67	0.99	1.97
Peak Discharge Factors	1.29	2.03	2.87	4.37
Land Treatment Area	Acres	Existing		Proposed
Type "D" (Roof)		0		2.85
Type "C" (Unpaved Roadway)		0		0.27
Type "B" (Irrigated Lawns)		0		0.44
Type "A" (Undeveloped)		3.56		0.00
Total (Acres)		3.56		3.56
Excess Precipitation(in)		0.44		1.74
Volume (100), cf		5686.03		22421.06
Volume (10),cf		3809.64		15022.11
Q (100), cfs		4.59		14.12
Q (10), cfs		3.08		9.46

