# CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



April 1, 2020

Ronald Bohannan, P.E. Tierra West, LLC 5571 Midway Park Place NE Albuquerque, NM, 87109

RE: U-Haul

2217 4<sup>TH</sup> St. NW

**Grading & Drainage Plan** 

Engineer's Stamp Date: 01/28/20

**Hydrology File: H14D110** 

Dear Mr. Bohannan:

PO Box 1293

Based upon the information provided in your submittal received 03/31/2020, the Grading & Drainage Plan **is not** approved for Building Permit and SO-19 Permit. The following comments need to be addressed for approval of the above referenced project:

1. Please use the latest SO-19 Notes. See attachment.

Albuquerque

2. Please update your use of "First Flush". This is an old 1990s term and please update it with "Stormwater Quality" instead.

NM 87103

3. Please provide an emergency spillway for both retention ponds by way of sidewalk culverts.

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- 4. Please provide a cross section of both retention ponds showing the 100 yr 10 day volume, top of pond, bottom of pond, and the elevation of the emergency spillway (sidewalk culvert).
- 5. Please add the broad crest weir equation (equation 6.60 in the DPM) for the 2 ft curb cuts and the sidewalk culverts.. A coefficient of 2.7 is typically used for the equation  $Q = CLH^{2/3}$ .
- 6. Please reference City of Albuquerque standard detail No. 2236 Sidewalk Culvert with Steel Plate Top at the sidewalk culvert.
- 7. Please update the SO-19 Permit Notes. See Attachment.
- 8. Please show and label the slump pump along with the force main. Also provide the cut sheet for the pump along with the performance curve.

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Mayor Timothy M. Keller

- 9. 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 (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.
- 10. Also as a reminder, please provide a Drainage Covenant for the proposed Stormwater Quality Ponds and retention 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.
- 11. Standard review fee of \$150 will be required at the time of resubmittal.

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

Sincerely,

PO Box 1293

Renée C. Brissette, P.E. CFM

Renée C. Brissette

Albuquerque Senior Engineer, Hydrology

Planning Department

NM 87103

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# City of Albuquerque

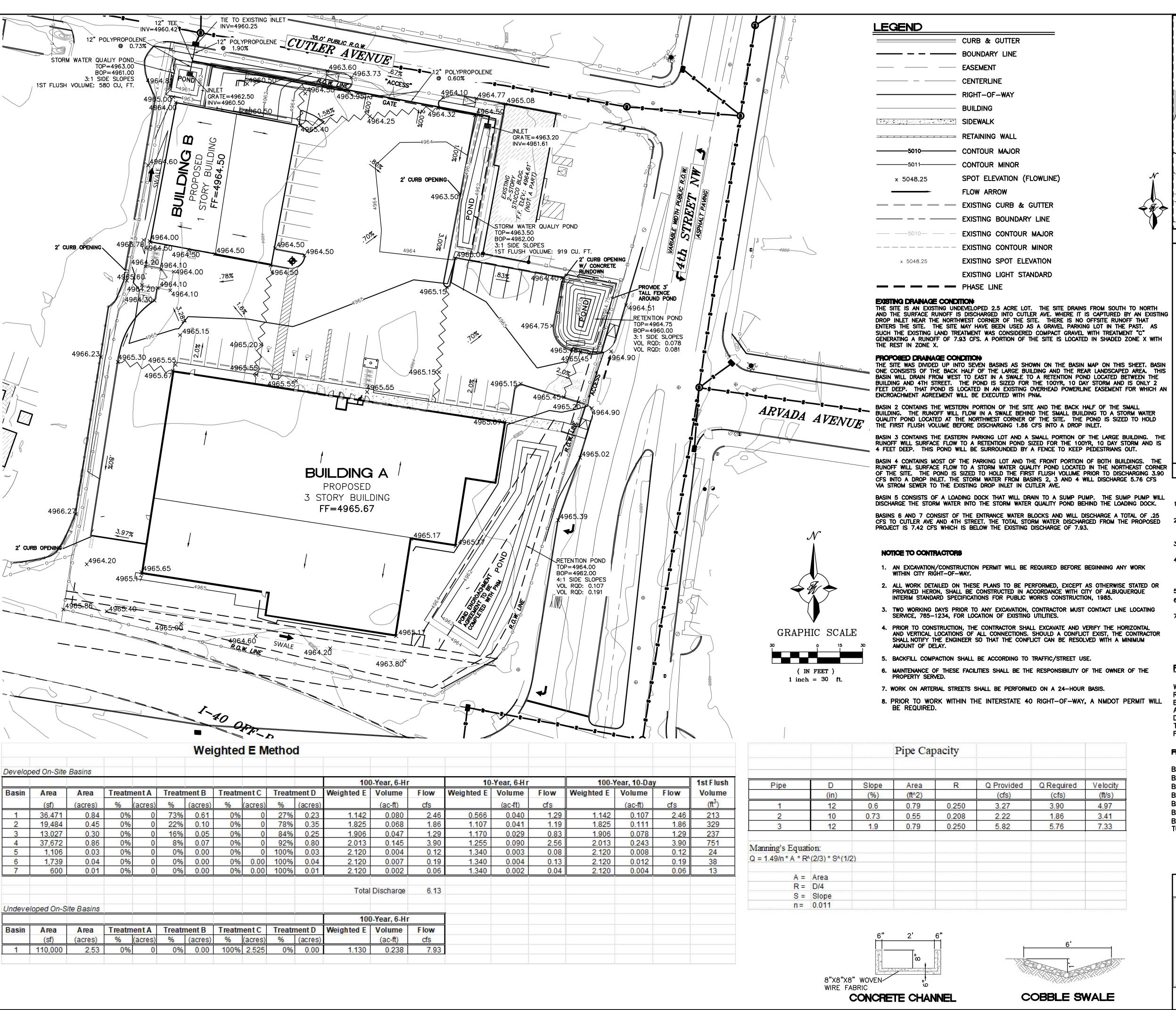
## Planning Department

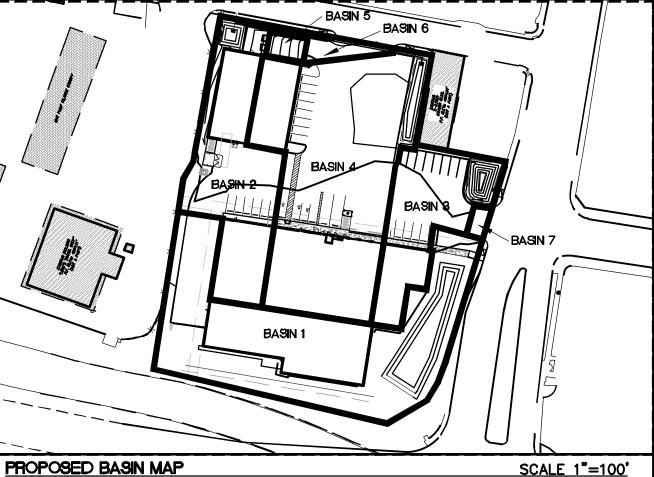
#### Development & Building Services Division

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

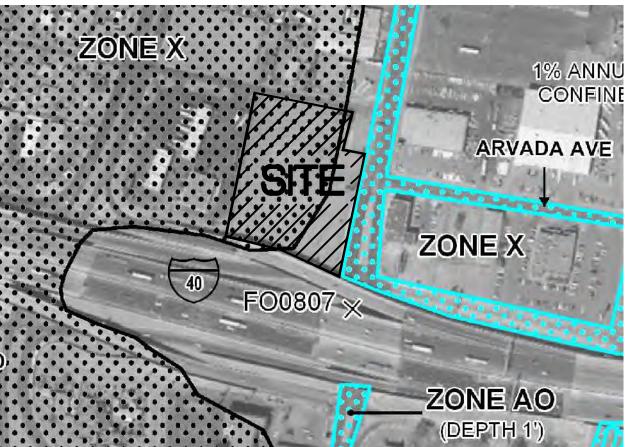
Project Title: U-Haul 4th St & I40			
DRB#:			
Legal Description: TR C of Alexander Cen			
City Address: 2217 4th St NW Albuquerque	NM		
Applicant: Tierra West, LLC		Contact: Jonathan Niski	
Address: 5571 Midway Park PL NE Albuque	rque NM 87109		
Phone#: 505-858-3100	Fax#: <u>505-858-1118</u>	E-mail: jniski@tierrawestll.com	
Other Contact:		Contact:	
Address:			
Phone#:		E-mail:	
TYPE OF DEVELOPMENT: PLAT	(# of lots) RESIDENCE	DRB SITE X ADMIN SITE	
IS THIS A RESUBMITTAL? Yes	XNo		
<b>DEPARTMENT</b> TRANSPORTATION	<u>X</u> HYDROLOGY/DRAINAGE		
Check all that Apply:	TYPE OF APPRO	VAL/ACCEPTANCE SOUGHT:	
THE OF CLIPATITE A	X BUILDING P	ERMIT APPROVAL	
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION	CERTIFICAT	E OF OCCUPANCY	
PAD CERTIFICATION			
CONCEPTUAL G & D PLAN		RY PLAT APPROVAL	
X GRADING PLAN		FOR SUB'D APPROVAL	
X DRAINAGE REPORT SITE PLAN FOR BLDG		OR BLDG. PERMIT APPROVAL	
DRAINAGE MASTER PLAN	FINAL PLAT	APPROVAL	
FLOODPLAIN DEVELOPMENT PERMIT	ADDI IC		
	SIA/ RELEAS	SE OF FINANCIAL GUARANTEE	
ELEVATION CERTIFICATE	FOUNDATIO	N PERMIT APPROVAL	
CLOMR/LOMR	GRADING Pl	ERMIT APPROVAL	
TRAFFIC CIRCULATION LAYOUT (TC)	SO-19 APPR	OVAL	
· · · · · · · · · · · · · · · · · · ·	TRAFFIC IMPACT STUDY (TIS)  PAVING PERMIT APPROVAL		
STREET LIGHT LAYOUT	GRADING/ P	GRADING/ PAD CERTIFICATION	
OTHER (SPECIFY)	WORK ORDE	R APPROVAL	
PRE-DESIGN MEETING?	CLOMR/LOM		
	FLOODPLAI	N DEVELOPMENT PERMIT	
	OTHER (SPE	CCIFY)	
DATE SUBMITTED: <u>3/31/2020</u>	By: Jonathan Niski		
COA STAFF:	ELECTRONIC SUBMITTAL RECEIVED:		

FEE PAID:\_\_\_\_\_









FIRM MAP: (EFFECTIVE DATE 9-26-2008)

35001C0332G

### NOTICE TO CONTRACTORS

- . AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE
- INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985. 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVAL	NAME	DATE
INSPECTOR		

## FIRST FLUSH MANAGEMENT

WATER QUALITY MEASURES WILL CONSIST OF RETENTION PONDS SIZED TO RETAIN THE FIRST FLUSH VOLUME FROM THE DEVELOPED AREAS. FLOWS WILL BE CONVEYED TO THE PONDS PRIMARILY BY SURFACE DRAINAGE AS WELL AS A PRIVATE STORM DRAIN SYSTEM BETWEEN BUILDINGS "A" AND "B". DRAINAGE VOLUMES IN EXCESS OF THE FIRST FLUSH WILL BE DISCHARGED THROUGH A PROPOSED STORM DRAIN SYSTEM AND INTO THE EXISTING PUBLIC STORM DRAIN WITHIN 4TH STREET.

## FIRST FLUSH CALCULATIONS:

BASIN 1:  $9847 \times .32"/12" = 213$  CU.FT. BASIN 2:  $15246 \times .32^{"}/12" = 329 \text{ CU.FT.}$ BASIN 3:  $10890 \times .32"/12" = 237 \text{ CU.FT.}$ BASIN 4:  $34848 \times .32^{"}/12" = 751 \text{ CU.FT.}$ BASIN 5:  $1307 \times .32"/12" = 94$  CU.FT. BASIN 6:  $1742 \times .32^{"}/12" = 38 \text{ CU.FT.}$ BASIN 7:  $436 \times .32"/12" = 15 \text{ CU.FT.}$ TOTAL FIRST FLUSH VOLUME = 1677 CU.FT.

## CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS. PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL	U-HAUL 4TH AND I-40	DRAWN BY RMG  DATE
THE TREE TO THE TREE TREE TREE TREE TO THE TREE TREE TREE TREE TREE TREE TREE	GRADING AND DRAINAGE PLAN	01/21/2020 2019070-GR
01/28/2020	5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	SHEET # MU-3
RONALD R. BOHANNAN P.E. #32784	(505) 858—3100 www.tierrawestllc.com	<b>ЈОВ #</b> 2019070