CITY OF ALBUQUERQUE



August 5, 2015

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

Re: Dreamstyle Warehouse, 1525 Renaissance Grading and Drainage Plan

Engineer's Stamp Date 7-21-2015 (F16-D051A)

Dear Mr. Bohannan,

Based upon the information provided in your submittal July 23, 2015, the above referenced plan is approved for Building Permit based on the following condition:

 A recorded "Drainage Easement" for the conveyance of offsite runoff via storm drain pipe across this site will be required prior to Certification of Occupancy.

PO Box 1293

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit for storm water discharge for disturbing one acre or more and a Topsoil Disturbance Permit for disturbing ¾ of an acre or more. Since the site will be disturbing more than one acre An Erosion and Sediment Control plan will have to be approved prior to building permit approval.

New Mexico 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

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

Sincerely,

Shahab Biazar, P.E.

City Engineer, Planning Dept. Development Review Services

C: e-mail

City of Albuquerque

Planning Department

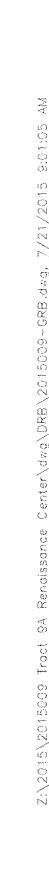
Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Broadstone Cottonwood Building	14	City Drainage #.	
DRB#:	EPC#:	Work Order#:	
Legal Description: Tract B-9H-1B-1 Vista Del P		Work Green,	
City Address: 10800 Cibola Loop NE. Albuquere			
Engineering Firm: Tierra West, LLC		Cautant Populd P Pohannan	
Address: 5571 Midway Park Place NE Albuque	rgue NM 87100	Contact: Ronald R. Bohannan	
Phone#: 505-858-3100	Fax#; 505-858-1118	E-mail: rrb@tierrawestllc.com	
Thones. doe doe to	rax#. <u>303-036-1110</u>	E-IIIaii: ino@iienawesiiic.com	
Owner:		Contact:	
Address:			
Phone#:	Fax#:	E-mail:	
Architect:		Contact:	
Address:			
Phone#:		E-mail:	
Surveyor:		Contact:	
Address:		Contact	
Phone#:	Fax#:	E-mail:	
Contractor		Contact	
Contractor:Address:		Contact:	
Phone#:	Fax#:	E-mail:	
		<i></i>	
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:		
DRAINAGE REPORT		SIA/FINANCIAL GUARANTEE RELEASE	
DRAINAGE PLAN 1st SUBMITTAL		PRELIMINARY PLAT APPROVAL	
DRAINAGE PLAN RESUBMITTAL		S. DEV. PLAN FOR SUB'D APPROVAL	
CONCEPTUAL G & D PLAN	S. DEV. FOR BL	DG. PERMIT APPROVAL	
GRADING PLAN	SECTOR PLAN A	APPROVAL	
EROSION & SEDIMENT CONTROL PLAN (ESC) FINAL PLAT APPROVA			
ENGINEER'S CERT (HYDROLOGY) CERTIFICATE		OF OCCUPANCY (PERM)	
CLOMR/LOMR CERT		CERTIFICATE OF OCCUPANCY (TCL TEMP)	
TRAFFIC CIRCULATION LAYOUT (TCL) FOUND		PERMIT APPROVAL	
ENGINEER'S CERT (TCL) BUILDING		MIT APPROVAL	
ENGINEER'S CERT (DRB SITE PLAN	GRADING PERM	MIT APPROVAL SO-19 APPROVAL	
		T APPROVAL ESC PERMIT APPROVAL	
		APPROVAL ESC CERT. ACCEPTANCE	
OTHER (SPECIFY)	GRADING CERT		
WAS A PRE-DESIGN CONFERENCE ATTE	ENDED: Yes No	Copy Provided	
DATE SUBMITTED: 7/16/15	By: Joel Hernandez	Copy i lovided	
DATE SUDMITTED. THORIS	Dy; over Hernandez		

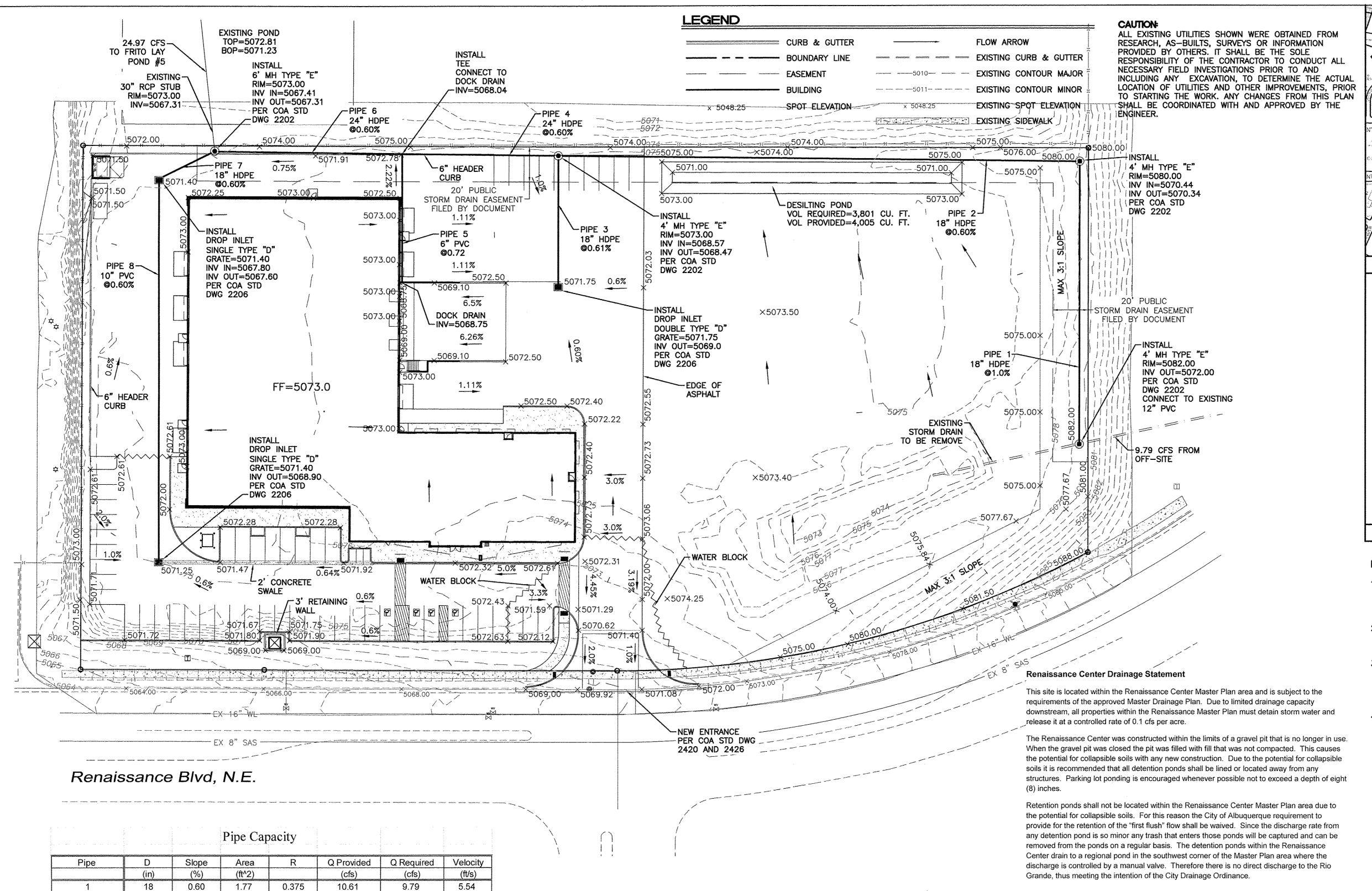
Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the followin

- Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres
- Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



F-16-Z

35001C0138H



EXISTING DRAINAGE CONDITIONS

5.54

6.04

6.51

1.78

6.62

2.65

3.76

9.79

10.67

20.46

0.35

20.81

4.68

2.05

THIS SITE IS LOCATED IN THE RENAISSANCE CENTER MASTER PLAN AREA AND IS LOCATED AT THE INTERSECTION OF RENAISSANCE CENTER BLVD. AND COMMERCE DR. IT IS BOUNDED ON THE SOUTH BY RENAISSANCE CENTER BLVD, ON THE WEST BY FEDEX, ON THE NORTH BY FRITO LAY AND ON THE EAST BY AN OFFICE COMPLEX AND CONTAINS APPROXIMATELY 3.74 ACRES.

THE SITE CURRENTLY DRAINS TO A TEMPORARY RETENTION POND WITH SOME FLOWS GOING TO THE STREET. THIS SITE WAS INCLUDED IN THE FRITO LAY AND CHAVEZ-GRIEVES DRAINAGE REPORT (F16/D51) APPROVED ON SEPTEMBER 10, 1998 AND WILL CONTINUE TO FOLLOW THAT DRAINAGE SCHEME THAT ALLOWS ALL OF THE DRAINAGE TO FLOW TO FRITO LAY DETENTION POND #5.

THE SITE DOES ACCEPT OFF-SITE FLOWS (10.52 CFS) FROM THE OFFICE COMPLEX WHICH IS ALSO CONTAINED IN THE TEMPORARY RETENTION POND. NO OTHER OFF-SITE FLOWS ENTER THE SITE. AS SHOWN ON THE FIRM MAP THERE ARE NO FLOOD PLAINS ON THIS PROPERTY.

BASIN 7 WILL REMAIN UNDEVELOPED AT THIS TIME AND WILL DRAIN TO A DESILTING POND DESIGNED TO HOLD 4,008 CUBIC FEET OR WATER WHICH IS GREATER THAN THE 3,801 CUBIC FEET REQUIRED. THE POND WILL OVERFLOW TO THE AREA INLET LOCATED IN BASIN 1 NEAR THE TRUCK DOCK AND BE CONVEYED TO FRITO LAY DETENTION POND #5.

THIS SITE WILL CONTAIN SEVEN BASINS WITH FIVE OF THE BASINS DRAINING

PERIMETER OF THE SITE AN CONNECT TO THE EXISTING STUB MENTIONED

BASINS 1, 2 AND 4 WILL DRAIN TO AREA INLETS THAT ARE CONNECTED TO

BASINS 5 AND 6 WILL DRAIN TO THE STREET GENERATING 0.66 CFS. THE

ORIGINAL FRITO LAY DRAINAGE PLAN ALLOWED FOR 0.66 CFS TO BE

THE STORM SEWER. BASIN 3 WILL DRAIN THE TRUCK DOCK AREA THROUGH

INTERCEPTED WITH A NEW STORM SEWER AND ROUTED AROUND THE

A STORM DRAIN OPENING ON THE NORTH SIDE OF THE DOCK.

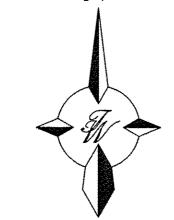
TO AN EXISTING STORM SEWER STUB THAT IS CONNECTED TO FRITO LAY POND

#5. THE EXISTING STORM SEWER PIPE FROM THE OFFICE COMPLEX WILL BE

PROPOSED DRAINAGE CONDITIONS

DISCHARGED TO THE STREET.

THIS SITE WILL DISCHARGE A TOTAL OF 24.89 CFS TO FRITO LAY POND #5 WHICH IS LESS THAN THE 24.97 ALLOWED IN THE APPROVED DRAINAGE PLAN. THAT TOTAL INCLUDES THE 10.52 CFS BEING PASSED THROUGH FROM THE ADJACENT OFFICE COMPLEX.



W GRAPHIC SCALE 30 15 0 15 30

30 15 0 15 SCALE: 1"=30'

NOTICE TO CONTRACTORS

SCHOOL

VICINITY MAP:

FOR C-2 USES

ELENA GALLEGOS LAND GRANT

CENTER

- 1. 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.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765—1234, FOR LOCATION OF EXISTING UTILITIES.
- 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 4. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

EROSION CONTROL NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM
 WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE
- WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

NOTE:

UNLESS OTHERWISE NOTED ON THE PLAN, ALL SPOT ELEVATIONS ARE FLOW LINE ELEVATIONS.

TRACT 9A RENAISSANCE CENTER	DRAWN BY BJF
	<i>DATE</i> 7/20/15
DRAINAGE PLAN	2015009-GRB
	SHEET #
TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	D1
(505) 858-3100 www.tierrawestllc.com	JOB # 2015009
	RENAISSANCE CENTER GRADING AND DRAINAGE PLAN TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100

DESILTING POND CALCULATIONS:

4

6

Manning's Equation:

 $Q = 1.49/n * A * R^{(2/3)} * S^{(1/2)}$

A = Area

R = D/4

n = 0.01

S = Slope

3.08 ACRES OF IMPERVIOUS AREA = 134,165 SQ. FT 134,165 SQ. FT * (0.34"/12) = 3,801 CU. FT = 0.087 AC-FT OF VOLUME REQUIRED TO BE RETAINED ON—SITE.

18

18

24

18

10

24

0.60

0.61

0.60

0.72

0.60

0.60

0.60

HDPE/PVC

1.77

1.77

3.14

0.20

3.14

1.77

0.55

0.375

0.375

0.500

0.125

0.500

0.375

0.208

10.61

10.69

22.84

0.62

22.84

10.61

2.21

