CITY OF ALBUQUERQUE

PLANNING DEPARTMENT - Development Review Services



Richard J. Berry, Mayor

November 10, 2015

Jeffrey T. Wooten Wooten Engineering 1368 Reynosa Loop SE Rio Rancho, NM, 87124

RE: 4100 and 4208 Central Ave NW (Conn's & Burlington)

Drainage and Grading Plan

Engineer's Stamp Date 9-22-2015 (File: K12D015A)

Dear Mr. Wooten:

30 KC

Based upon the information provided in your submittal received 9-22-2015, the above referenced plan is approved for Grading Permit, Paving Permit, and Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit

processing.

Albuquerque Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will

be required.

NM 87103 If you have any questions, you can contact me at 924-3986.

www.cabq.gov Sincerely

PO Box 1293

Abiel Carrillo, P.E.

Principal Engineer, Planning Dept.

Development Review Services

Orig: Drainage file



City of Albuquerque

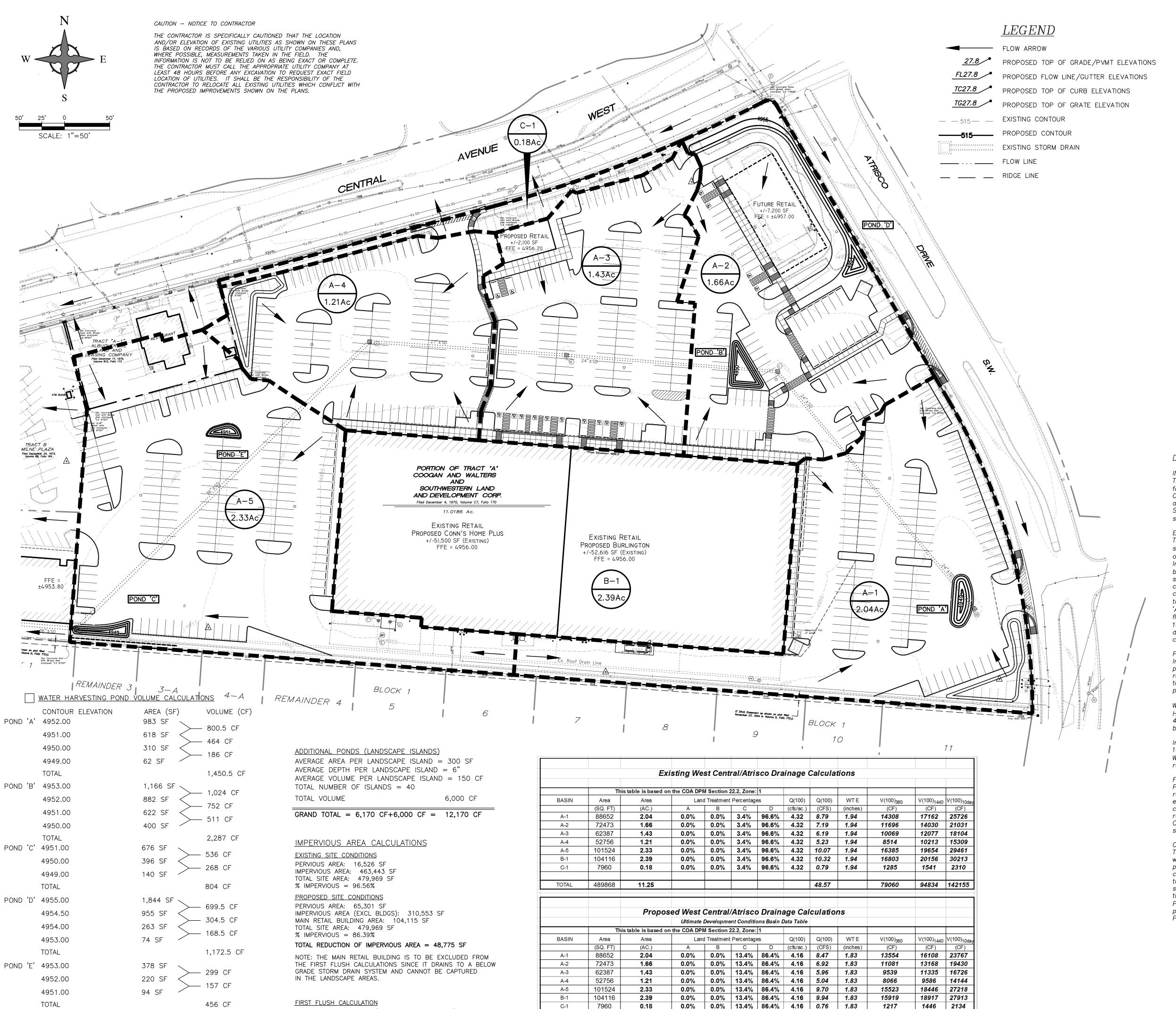
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title:	Building Permit #: City Drainage #:
DRB#: EPC#:	
Legal Description:	
City Address:	
Engineering Firm:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Owner:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Architect:	
Address:	
	E-mail:
Other Contact:	Contact:
Address:	
Phone#: Fax#:	E-mail:
DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:BUILDING PERMIT APPROVALCERTIFICATE OF OCCUPANCY
	CERTIFICATE OF OCCUPANCE
TYPE OF SUBMITTAL:	PRELIMINARY PLAT APPROVAL
ENGINEER/ ARCHITECT CERTIFICATION	SITE PLAN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN	SITE PLAN FOR BLDG. PERMIT APPROVAL
GRADING PLAN	FINAL PLAT APPROVAL SIA/ RELEASE OF FINANCIAL GUARANTEE
DRAINAGE MASTER PLAN	FOUNDATION PERMIT APPROVAL
DRAINAGE REPORT	GRADING PERMIT APPROVAL
CLOMR/LOMR	SO-19 APPROVAL
	PAVING PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL)	GRADING/ PAD CERTIFICATION
TRAFFIC IMPACT STUDY (TIS)	WORK ORDER APPROVAL
EROSION & SEDIMENT CONTROL PLAN (ESC)	CLOMR/LOMR
OTHER (SPECIFY)	PRE-DESIGN MEETING
	OTHER (SPECIFY)
IS THIS A RESUBMITTAL?: Yes No	
DATE SUBMITTED:By:	

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____



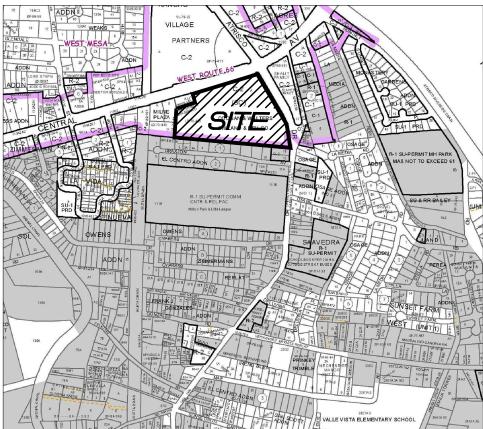
TOTAL 489868 **11.25**

TOTAL IMPERVIOUS AREA (LESS MAIN RETAIL BLDG) = 310,553 SF

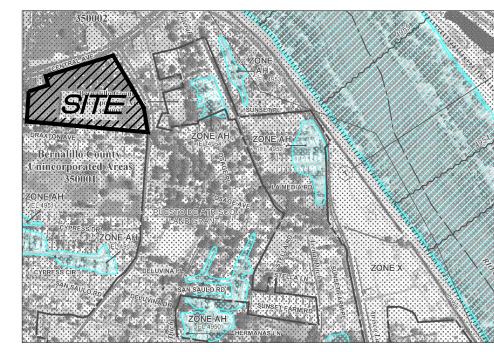
FIRST FLUSH = 310,553 * 0.34" / 12 = 8,799 CF

6,170 CF

SUBTOTAL



VICINITY MAP - Zone Atlas K-12



FIRM MAP 35001C0333H

Per FIRM Map 35001C0333H, dated August 16, 2012, the site is located in the 0.2% chance Annual Floodplain with Average Depth of less than 1 foot.

DRAINAGE MANAGEMENT PLAN

INTRODUCTION

The purpose of this submittal is to provide a final drainage management plan for the Redevelopment of West Central/Atrisco, located at the SWC of Central Ave SW and Atrisco Dr SW in Albuquerque, NM.. The site contains approximately 11.02 acres. We were unalble to locate an existing Drainage Study for the site; however, the site is currently 100% Developed and the site is currently +/-96.6% Impervious.

EXISTING HYDROLOGIC CONDITIONS
The site is currently developed and

The site is currently developed and drains via. an underground storm drain system which outfalls to an existing 36" storm drain in the alley to the west of the site. The parking lot currently surface drains to several Type 'D' Inlets as shown on the Grading Plan. The roof of the existing main retail building (the old KMart) drains to downspouts which are connected to a storm drain system on the south side of the building. This roof drain connects to the main site storm sewer system located at the southwest corner of the site. There is a small off-site drainage area that flows onto the site from the existing Long John Silver's site as shown within Basins 'A-4' and 'A-5'. Per the Calculations table this sheet, the total existing flow leaving the site in the storm drain system is 47.78 cfs during the 100-Yr Storm Event. This excludes Basin 'C-1', which is a small area that drains to Central Ave. We calculate that approximately 96.6% of the site is currently Impervious.

PROPOSED HYDROLOGIC CONDITIONS

In Redeveloping this site, we are trying to use as much of the existing pavement as possible while increasing the pervious areas in order to reduce runoff volumes from the site. The drainage patterns remain the same as the Pre—Developed condition; however, we have added some water harvesting ponds in key areas in order to capture the first flush from the site.

Without accounting for the detention/retention in the proposed Water Harvesting ponds, the total runoff from the site (excluding Basin 'C-1) is 46.03 cfs during the 100-Yr Storm Event. This is a 1.75 cfs reduction below Pre-Developed condition.

In addition, per the Calculations Table this sheet there is a reduction of the 100—Yr, 24—Hr Volume of 5,827 CF. Adding this volume reduction to the Water Harvesting Pond Volume provided (12,170 CF) gives us a total Volume reduction of 17,977 CF.

FIRST FLUSH CALCULATIONS

Per the First Flush Calculations on this sheet, the total First Flush Volume required to be collected for the site is 8,799 CF. Since the roof of the existing large retail building is flowing directly into a storm drain system and cannot be routed through a landscape area, we have not taken the building roof area into account for the calculation. Per the Water Harvesting Pond Calculations table this sheet, we are collecting 12,170 CF of flow from the site which is greater than that required.

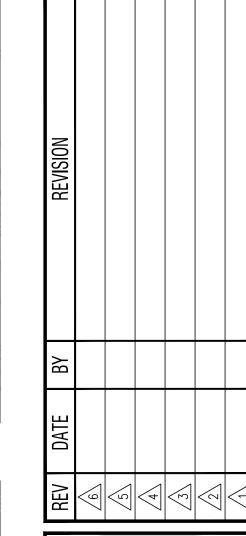
CONCLUSION

74898 89007 131331

46.79

This drainage management plan provides for grading and drainage elements which reduce the impact to downstream systems; are capable of safely passing the 100 year storm, do not burden downstream systems, and meet city requirements. In addition, the proposed water harvesting ponds will help treat stormwater runoff per the DPM. The proposed improvements to the site should not have any negative impacts to facilities downstream. With this submittal, we are requesting Drainage Management Plan and Building Permit approval for both the Conn's Home Plus and Burlington Coat Factory projects. Each project located on site will apply for a separate Building Permit.



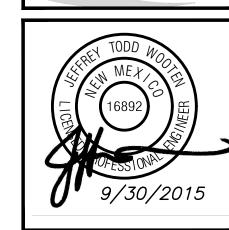


JO HEGE 350

N.W. SUITE 350

JEW MEXICO 87102





DRAWN E	JOB NO. 2015033	PROJECT MANAGER JEFF WOOTEN SHEET TITLE	sheet-	\bigcirc 1
		4208 CENTRAL AVE. SW ALBUQUERQUE NEW MEXICO		/15
	I ZISCO	WEST CENTRAL—ATRISCO		/22

AS NOTED

