From: Carrillo, Abiel X.

To: "Jeffrey Wooten"

Subject: West Central Plaza - Stamp Date 7/27/2016 - K12D015A

Date: Wednesday, August 24, 2016 3:17:00 PM

Jeff,

Based on the information provided in your submittal received 7/27/2016, the above-referenced Drainage Master Plan is conceptually approved for Site Plan for Building Permit.

When submitting the DRB Hearing application, please include a copy of this email.

(I am trying to expedite Site Plans with email approvals instead of attached letters)

Thanks,

Abiel Carrillo, PE, CFM

Principal Engineer - Hydrology Planning Department

Development Review Services Division City of Albuquerque 505-924-3986 acarrillo@cabq.gov 600 2nd Street NW Albuquerque, NM 87102



City of Albuquerque

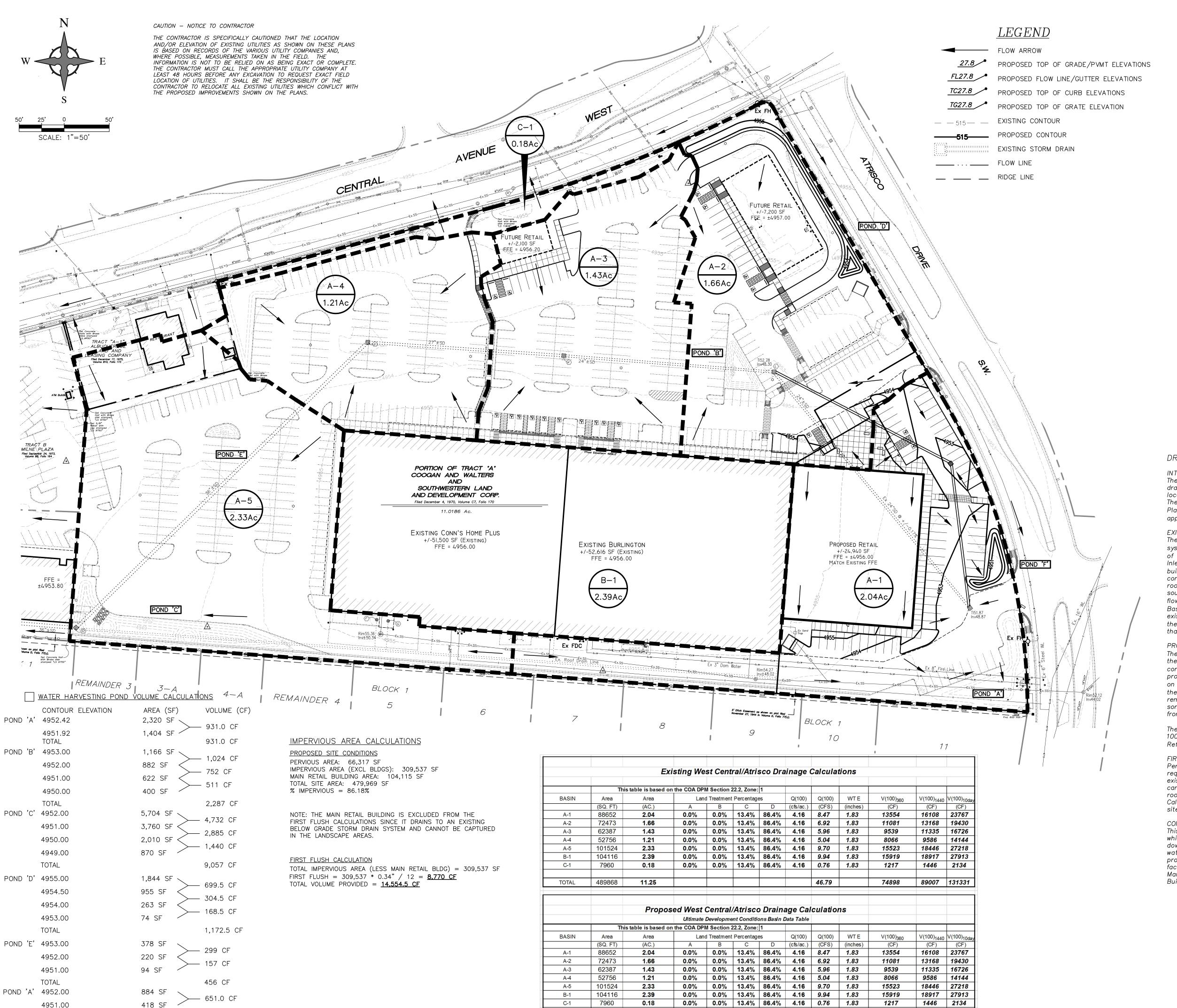
Planning Department

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: ____



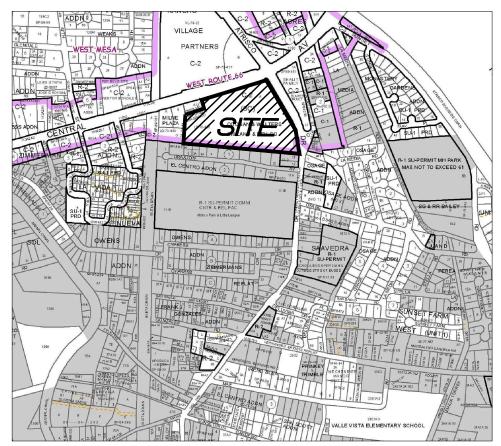
TOTAL 489868 **11.25**

TOTAL

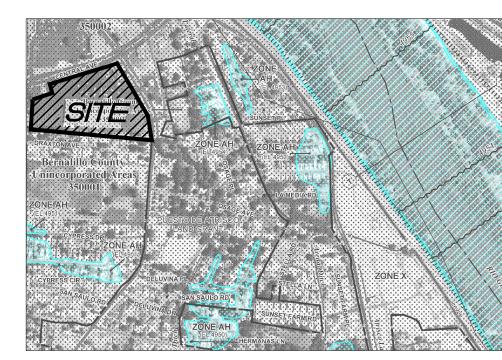
SUBTOTAL

651.0 CF

14,554.5 CF



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 conceptual grading plan and drainage management plan for the Redevelopment of West Central Plaza, located at the SWC of Central Ave SW and Atrisco Dr SW in Albuquerque, NM. The site contains approximately 11.02 acres. A prior Drainage Management Plan for this site was submitted by Wooten Engineering on 9/30/2015 and approved on 11/10/2015.

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 buildings (Conn's Home Plus and Burlington) drain 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 directly to Central Ave.

PROPOSED HYDROLOGIC CONDITIONS

The newest building addition to the site (+/-24,940~SF) will further reduce the impervious area by just over 1,000 SF due to the parking lot configuration. There is an existing 24" storm drain that is located under the proposed building and will be relocated with this project per the grading plan on Sheet 1.1. There is also a new Type 'D' Inlet located within Basin A-1 at the deflection point of the new 24" pipes. The drainage patterns generally 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.

The total runoff from the site (excluding Basin 'C-1) is 46.03 cfs during the 100-Yr, 6-Hr Storm Event which is less than the original KMart development. Reference the Plan approved on 11/10/2015 for additional information.

FIRST FLUSH CALCULATIONS

Per the First Flush Calculations on this sheet, the total First Flush Volume required to be collected for the site is 8,770 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 14,554.50 CF of flow from the site which is greater than that required.

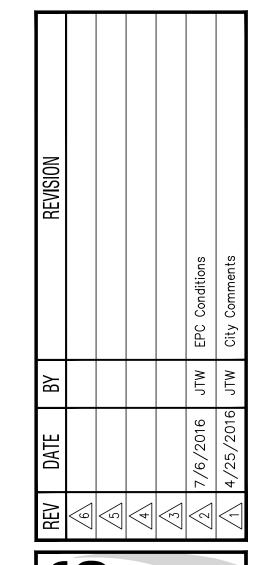
CONCLUSION

74898 89007 131331

46.79

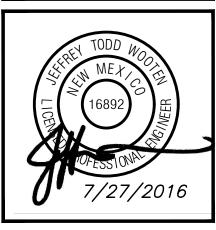
This Drainage Management Plan provides for grading and drainage elements which are capable of safely passing the 100 year storm, do not burden downstream systems, and meet city requirements. In addition, the proposed water harvesting ponds will help treat stormwater runoff per the DPM. The proposed improvements to the site should not have any negative impacts to facilities downstream. With this submittal, we are requesting Drainage Management and Grading Plan approval for the Site Development Plan for Building Permit.





LUN ARKICO 87102 VE. N.W. SUITE 350 ;, NEW MEXICO 87102 38-1499 FAX (505) 338-149





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5		SHEET TITLE	eet-
MTL	2015064	JEFF WOOTEN	sheet-
DRAWN BY:	JOB NO.	PROJECT MANAGER	
	00	ALBUQUERQUE NEW MEXICO	24.0
		4208 CENTRAL AVE. SW	/0.0
ADDITION	LAZA-PROP.	WEST CENTRAL PLAZA-PROP.	E:

AS NOTED

