

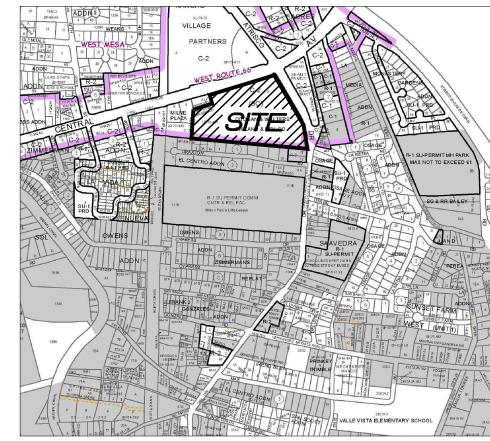
TOTAL 489868 **11.25**

TOTAL

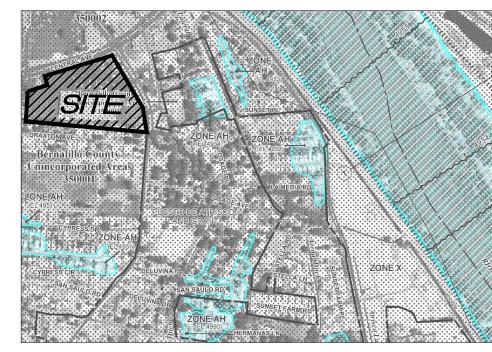
SUBTOTAL

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 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.

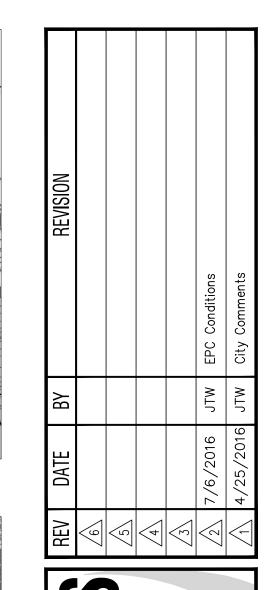
CONCLUSION

74898 89007 131331

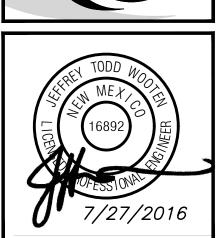
46.79

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.





AI AI PH



. ADDITION	DRAWN BY: JTW	PLAN
LAZA-PROP co	JOB NO. 2015064	AGEMENT
WEST CENTRAL PLAZA—PROP. 4208 central ave. Sw albuquerque new mexico	PROJECT MANAGER JEFF WOOTEN	SHET TITLE DRAINAGE MANAGEMENT PLAN
TE:	sheet-	1

AS NOTED