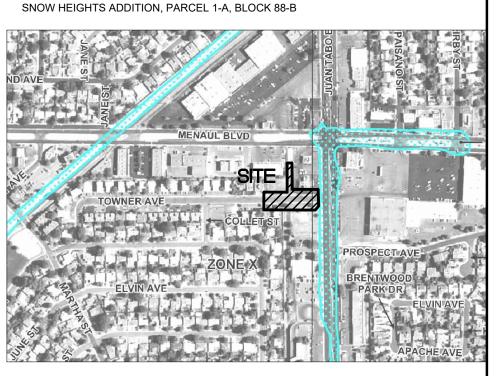


-Min 3,500 psi Concrete;

SNOW HEIGHTS ADDN (SC)34**S**ITE 348 R-3 SNOW V//// PROSPECT COLLET PARK ELEMENTARY SCHOOL \HEIGHTSI ADDN HEIGHTS ADDN

VICINITY MAP ZONE ATLAS PAGE: H-21 LEGAL DESCRIPTION:



FIRM MAP 35001C0357H

Per FIRM Map 35001C0357H, dated August 16, 2012, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual Floodplain.

The purpose of this submittal is to provide a final grading plan and drainage management plan for the Redevelopment of 2301 Juan Tabo Blvd NE, located near the SWC of Juan Tabo and Menaul NW in Albuquerque, NM.

The site currently consists of an existing office building and parking lot which drains via sheet flow from east to west with the natural slope of the foothills. There are three distinct drainage basins as shown on the plan and per the drainage calculations table this sheet. Basin A (0.06cfs/111CF) is a very small basin that drains to Juan Tabo. Basin B (3.43cfs/6,301CF) drains toward adjacent properties to the west and south into Towner Ave NE.

The proposed site consists of a new Dunkin Donuts building with associated parking, drive—thru lane, landscaping, and a new water harvesting pond. The site will continue to drain via sheet flow from east to west in conformance with the existing drainage basins and per the drainage calculations table this sheet.

Basin A (0.04cfs/63CF) will provide a reduction of 0.02 cfs (48CF) due to increased pervious area. We are calling out for the landscaped area to be depressed 6" below adjacent pavement so that there will be no direct runoff into

Basin B (3.57cfs/6,837CF) shows an increase of 0.14cfs (536CF) which is a minimal increase and could be ignored. However, we are providing a new water harvesting basin near the southwest corner of the site which will collect and store up to 5,002.50 CF of stormwater. The overflow discharge from the pond will be via a variable width concrete flume which is 4' wide at the weir along the top of the embankment and will discharge into Towner Ave.

Per the First Flush Calculations on this sheet, the total First Flush Volume required to be collected for Basin B is 644 CF. The proposed water harvesting pond within Basin B has a capacity of 3,686 CF per calculations this sheet

This drainage management plan provides for grading and drainage elements which do not burden downstream systems; are capable of safely passing the 100 year storm, and meet city requirements. In addition, the proposed water harvesting pond will help treat stormwater runoff per the DPM. With this submittal, we are requesting Drainage

	Existing	Dunkin	Donuts	Draina	age Cal	culation	าร			
ased on	the COA DPM	Section 2	22.2, Zone:	4						
	Land Treatment Percentages			Q(100)	Q(100)	WTE	V(100) ₃₆₀	V(100) ₁₄₄₀	V(100) _{10day}	
C.	A	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
	0.0%	0.0%	30.0%	70.0%	4.79	0.06	2.29	99	111	148
1	0.0%	0.0%	38.0%	62.0%	4.67	2.74	2.19	4666	5194	6778
C.	0.0%	0.0%	90.0%	10.0%	3.88	0.25	1.58	375	385	413
	0.0%	0.0%	75.0%	25.0%	4.11	0.44	1.76	683	722	839
0						3.49		5824	6413	8179
Prop	osed Du	nkin Do	onuts D	rainage	e Calcul	ations				
	Ultimate	Developme	nt Conditio	ons Basin L	Data Table					
ased on	the COA DPM	Section 2	22.2, Zone:	4						
	Land Treatment Percentages			Q(100)	Q(100)	WTE	V(100) ₃₆₀	V(100) ₁₄₄₀	V(100) _{10day}	
	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
	0.0%	0.0%	100.0%	0.0%	3.73	0.04	1.46	63	63	63
i.	0.0%	0.0%	27.0%	73.0%	4.84	2.84	2.32	4942	5564	7429
L.	0.0%	0.0%	90.0%	10.0%	3.88	0.25	1.58	375	385	413
	0.0%	0.0%	48.0%	52.0%	4.52	0.48	2.07	807	888	1131
				197						
C						3.62		6189	6901	9037

NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"

	ARCHITECTS ARCHITECTS						
	CI-C2-11	SCALE AS SHOWN	PUF	10DD WEX 6892 55510W /12	/2		JTW V
SET REVISIONS	NO DESCRIPTION DATE DATE	1 INITIAL ISSUE 11-13-15 SCALE		CULET DEVISIONS		CKD	APPD
	NEW DUNKIN DONUTS 2301 JUAN TABO BLVD NE 1 INITI			1			PC NUMBER
	C,	1.1 -	Gı	radii	าต	Pla	an

Rael, Rudy E.

From:	Rael, Rudy E.
Sent:	Friday, February 26, 2016 12:10 PM
To:	'jeffwooten.pe@gmail.com'
Cc:	Abiel X. Carrillo
Subject:	Dunkin Donuts

Hello Jeff, this email is being sent in lieu of an attached comment letter in order to expedite the response for initial reviews. Responses to comments should continue to be included in the resubmittal. A reply to this email with responses to comments will not be considered a resubmittal.

1. Trash enclosure needs drain attached to the SAS with a grease trap.

2. Build notes are needed for the pond and the sloped area by the driveway for erosion protection.

3. Bottom of pond needs erosion protection at the end of the entry channel.

4. Flow line/gutter elevation needed for the entry on Juan Tabo.

5. Extend the sidewalk culvert 1' passed the property line.

If you have any questions give me a call or Abiel Carrillo at 924-3986.

Rudy E. Rael, CE, CFM Engineer Associate, Hydrology Planning Department 600 2nd St. NW Suite 201 Albuquerque NM 87102 (505) 924-3977