

3) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL

4) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE

ALBUOUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

CONCERNING CONSTRUCTION SAFETY AND HEALTH.

PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF

APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS

LOCATION OF THESE LINES AND FACILITIES.

ENTERING ADJACENT PROPERTIES.

SUBJECT SITE AND DEPOSITED THEREON.

2) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM

3) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND

ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE

STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING

WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.

A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-I and on FIGURE A-I

TABLE A-1. PRECIPITATION ZONES ZONE LOCATION West of the Rio Grande Between the Rio Grande and San Mater and between San Mateo and the East boundary of Range East; South of Interstate 40 East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

BLE A-10. PE	AK INTESITY (IN	HR at te=0.2 hour)
ne	Intensity	100-YR (2-YR, 10-YR)
	4.70 (1.84, 3.14)	
•	5.05 (2.04, 3.41)	
	5.38 (2.21, 3.65)	

(2.34, 3.83)

TABLE A-4. LAND TREATMENTS Treatment Land Condition				
۸	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unlined Arroyos.			
В	Irrigated lawns, parks and golf courses with 0 to 10 percent alopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.			
Ċ	Soil uncompacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds, and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or elay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.			
D	Impervious areas, pavement and roofs.			
eniments, measure	entain a mix of land treatments. To determine proportional erespective subareas. In lieu of specific measurement for all percentages in TABLE A-5 may be employed			

TABLE A-9. PEAK DISCHARGE (cfs/acre)

(2-YR, 10-TR)

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		(0.00, 0.24)	(0.33, 0.76)	2.87 (0.47, 1.49)	4.37 (1.69, 2.89)
	2	1.56 (0.00, 0.38)	2.28 (0.08, 0.95)	3.14 (0.60, 1.71)	4.70 1.86, 3.14)
1 4	3	1.87 (0.00, 0.58)	2.60 (0.21, 1.19)	3.45 (0.78, 2.009)	5.02 (2.04, 3.39)
		(0.05, 0.87)	2.92 (0.38, 1.45)	3.73 (1.00, 2.26)	5.25 (2.17, 3.57)
			•		
	•				

Drainage Comments:

As shown on the Vicinity Map hereon, the subject site is located on the north side of Menaul Blvd. N.E. between the A.M.A.F.C.A. North Diversion Channel and Vasser Drive N.E., in the City of Albuquerque, Bernalillo County, New Mexico, (Zone Atlas "H-16-Z).

Zone

The subject site, 1.) Does not lie within a designated floodplain (Reference F.E.M.A. Panel 351 of 825), 2.) lies west of and adjacent to an artificial water course (North Diversion Channel), 3.) does at the present time contribute to the offsite flows of the property to the west of the subject site; thse offsite flows will be directed into Phoenix Avenue N.E., 4.) accepts minimal offsite flows from the westerly bank of the North Diversion; thees flows will continue to be accepted and passed through the subject site.

According to the Albuquerque Master Drainage Study (AMDS), Volume I, dated January, 1981, the subject site is allowed to free discharge flows into Phoenix Avenue N.E.; the subject site is an in-fill site, most other properties around the area are developed.

Drainage Calculations:

Per Section 22.2, Hydrology of the Development Process Manual, Volume 2., Design Criteria for the City of Albuquerque, New Mexico, January,

* Site Area: 5.69 acres (vacant land)

Precipitation Zone: Two (2)

Peak Intensity: In./Hr. at T = Twelve (12) minutes, 100-yr. = 5.05

Existing Conditions:

Treatment Area/Acres Factor X 1.56 = 8.88 $"Q_" = 8.88$ cfs

Area/Acres Factor

Legal Description: Tracts Two (2), Three (3), and Four (4), of Brunacini Industrial Park, Unit III, to the City of Albuquerque, Bernalillo County, New Mexico.

Bench Mark Reference: Station I-40-12, elevation 5114.63, (NGVD 29), Project T.B.M. as shown on the plan hereon.

1) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER

2) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN

(GRADING & DRAINISCE PLAN

JUL 16 2008

HYDROLOGY

SECTION A PROPOSED PLAN

FOR

D & B U-SELL-IT (EAST) MENAUL BLVD. N.E. ALBUQUERQUE, NEW MEXICO OCTOBER, 2005

(02-20-06)

AREA; THEREFORE, THERE IS NO INCREASE IN DEVELOPED FLOWS.

REVISION: 07-10-08



