

1 inch = 30 ft.

EXIST S/W DRAIN

construction.

6090-GD.DWG 2/20/97 1"=30'

GRADING AND DRAINAGE PLAN

Pursuant to the established Drainage Ordinance for the City of Albuquerque and the Development Process Manual, this Grading and Drainage plan outlines the drainage management criteria for controlling developed runoff from the project site. The property is to be developed for a warehouse addition, with associated paving, landscaping, utility, grading, and drainage improvements.

EXISTING CONDITIONS:

The project site is approximately 2.79 acres in size and is located on 308 Menaul NE. This site is bounded on the east by Edith Blvd., on the south by Towner Avenue, on the west by City Self Storage, and on the north by Menaul Blvd. NE. Presently the site is developed as an office and warehouse. The site slopes from east to west at approximately 1.5% and discharges to Menaul Blvd. The site existing roof drainage is marked with flow arrows to show direction of flow. No off-site flows impact the site.

As shown by the attached Floodway Panel 23 of 50, this site does not lie within a designated flood hazard zone. However, there is a designated floodway with an AO-1 depth in Menaul Blvd. along the frontage of this site. Existing and proposed structures are al least 2 feet above its flowline. However, under City Project #4272.92, the 2nd St./Odelia Storm Drain Imporvements Phase III (completion by storm season 1998) the City will intercept the Menaul flows at the Edith intersection, effectively eliminating the flooding of Menaul along the frontage of this project.

PROPOSED CONDITIONS:

As shown by the Plan, the project consists of an addition of a warehouse to an existing warehouse. The Plan shows the elevations required to properly grade and construct the required improvements. The direction of drainage flows are given by flow arrows and the project hydrology is tabulated for both existing and developed conditions. This is an infill site and the drainage basin is completely developed for the most part.

All drainage flows will be managed on-site by surface improvements: some of the roof drainage will discharge to Towner Avenue and the other half will discharge to Menaul Blvd. The site will be divided into two basins (Basin '1' and Basin '2'). Basin '1' will drain to the south to Towner Avenue NE. Basin '2' will drain northwest and out to Menaul Blvd. NE. Existing storm drains are located in Menaul Blvd. which intercept all developed runoff to be discharge by the site.

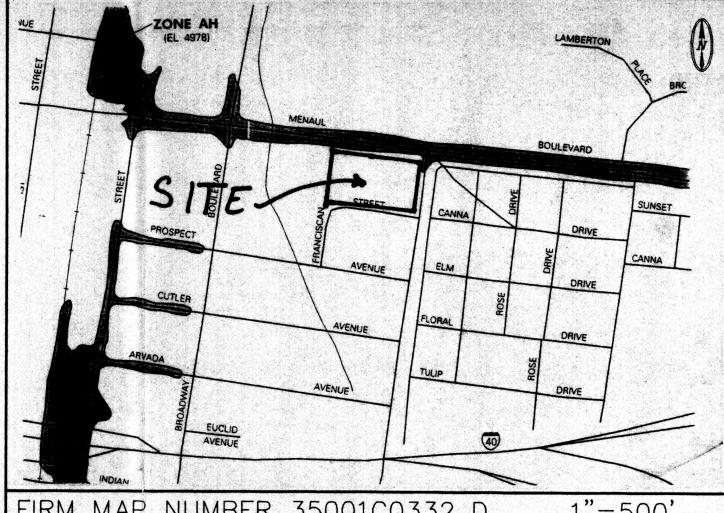
EROSION CONTROL:

Temporary erosion control will be required along the project boundaries during construction to prevent the discharge of sediment into the public street system and adjoining private property. The contractor should construct a ditch dike system (see Detail 'A') along the north, south, and west property lines to effectively retain all runoff generated by the project. Care should be taken to provide ponding areas at the site perimeter, away from the

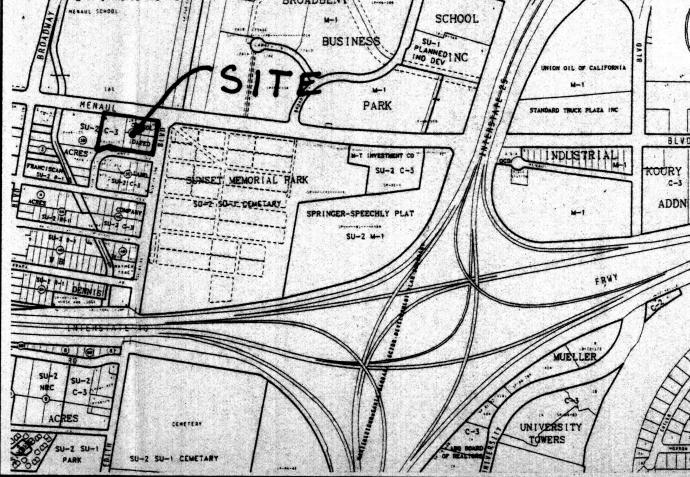
CALCULATIONS:

The calculations shown hereon define the 100-year/6hour design storm falling within the project area under existing and developed conditions. The hydrology is per "Section 22.2, Part A, Development Process Manual, Vol. 2," dated January 1993.

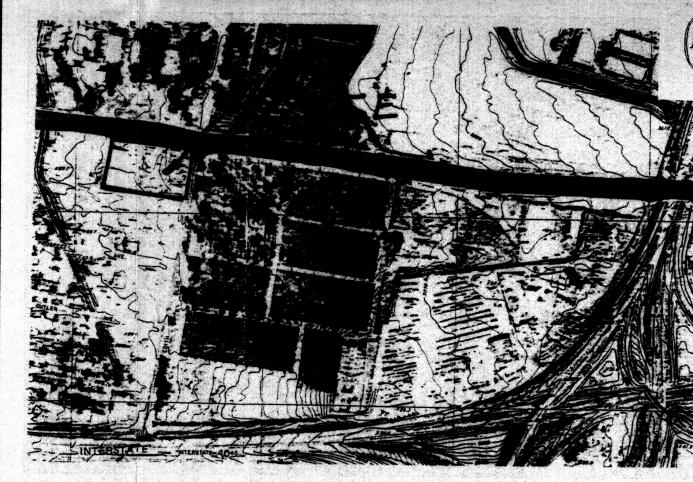
				ROLOGY YMO)				
Precipite	ation Zone 2					P360	= 2.35	in
Basin	Basin	Land Treatment (acre)			Ew	V100	Q100	
	area (Ac)	Α	В	С	D	(in)	(af)	(cfs)
Existing	Conditions							- X - Z
Site	2.79			1.28	1.51	1.67	0.39	11.12
Develope	ed Conditions							
Site	2.79		0.30	0.67	1.82	1.74	0.40	11.34
1	0.83		0.08	0.06	0.69	1.92	0.13	3.61
2	1.96		0.22	0.61	1.13	1.66	0.27	7.73



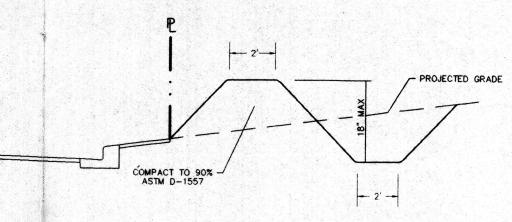
FIRM MAP NUMBER 35001C0332 D "=500"



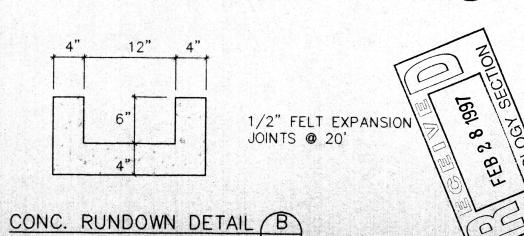
LOCATION MAP "=750



FLOODWAY AND OFFSITE BASIN "=500°



TEMPORARY EROSION CONTROL BERM DETAIL



DRAINA 8 Z ADIN 0



REVISIONS:

A CONC. RUNDOWN

DATE: 2/20/97 CHECKED BY: P.B.

DRAWN BY: JOB NO: 6090

TILE NO: 6090-GD.DWG SHEET NO:

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