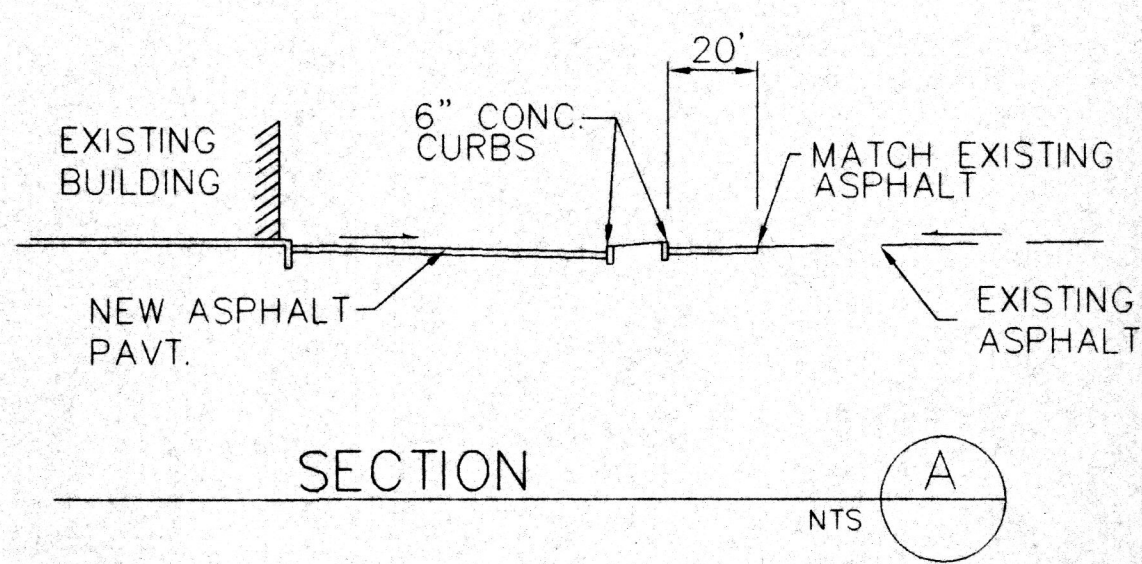
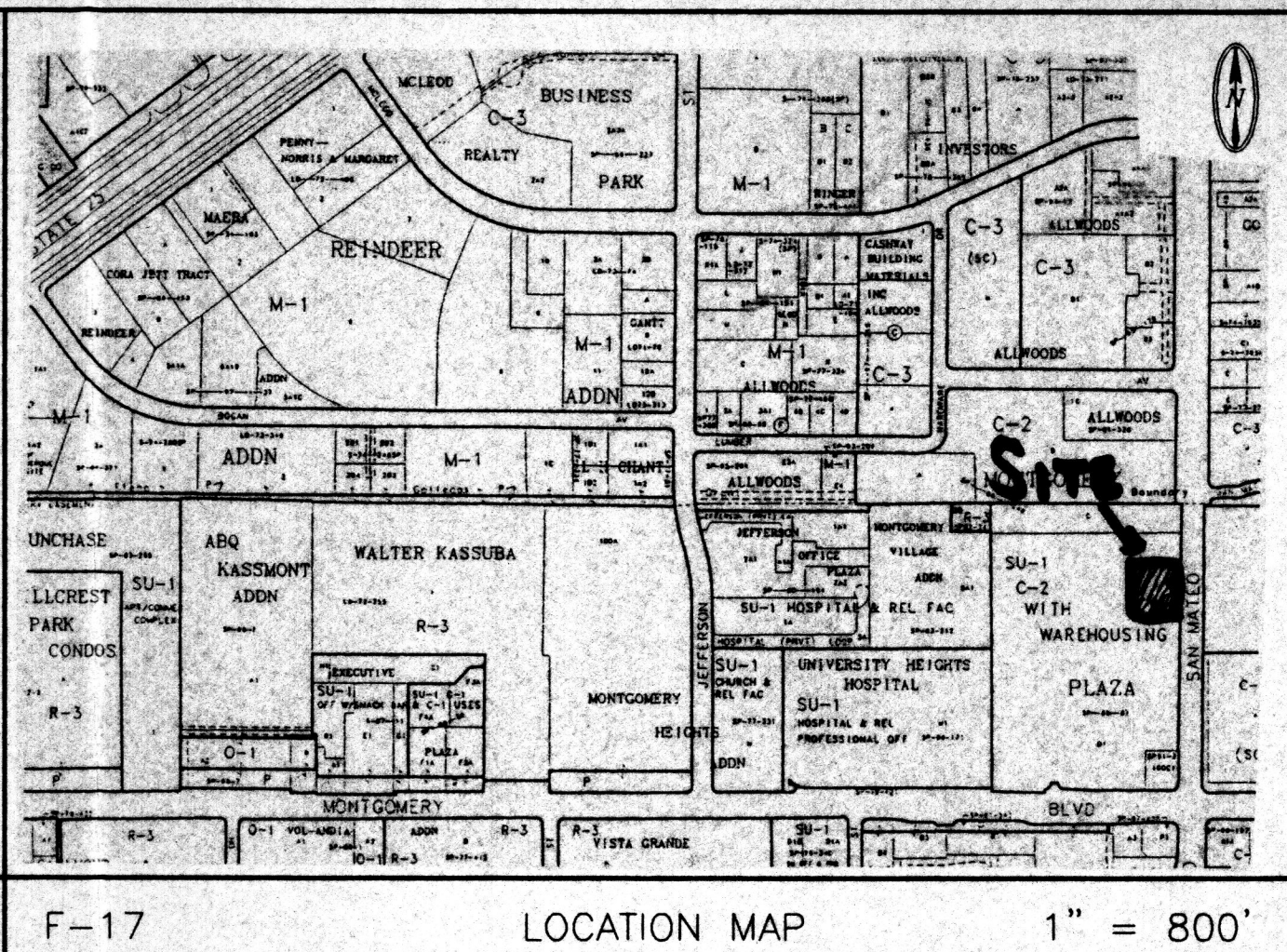
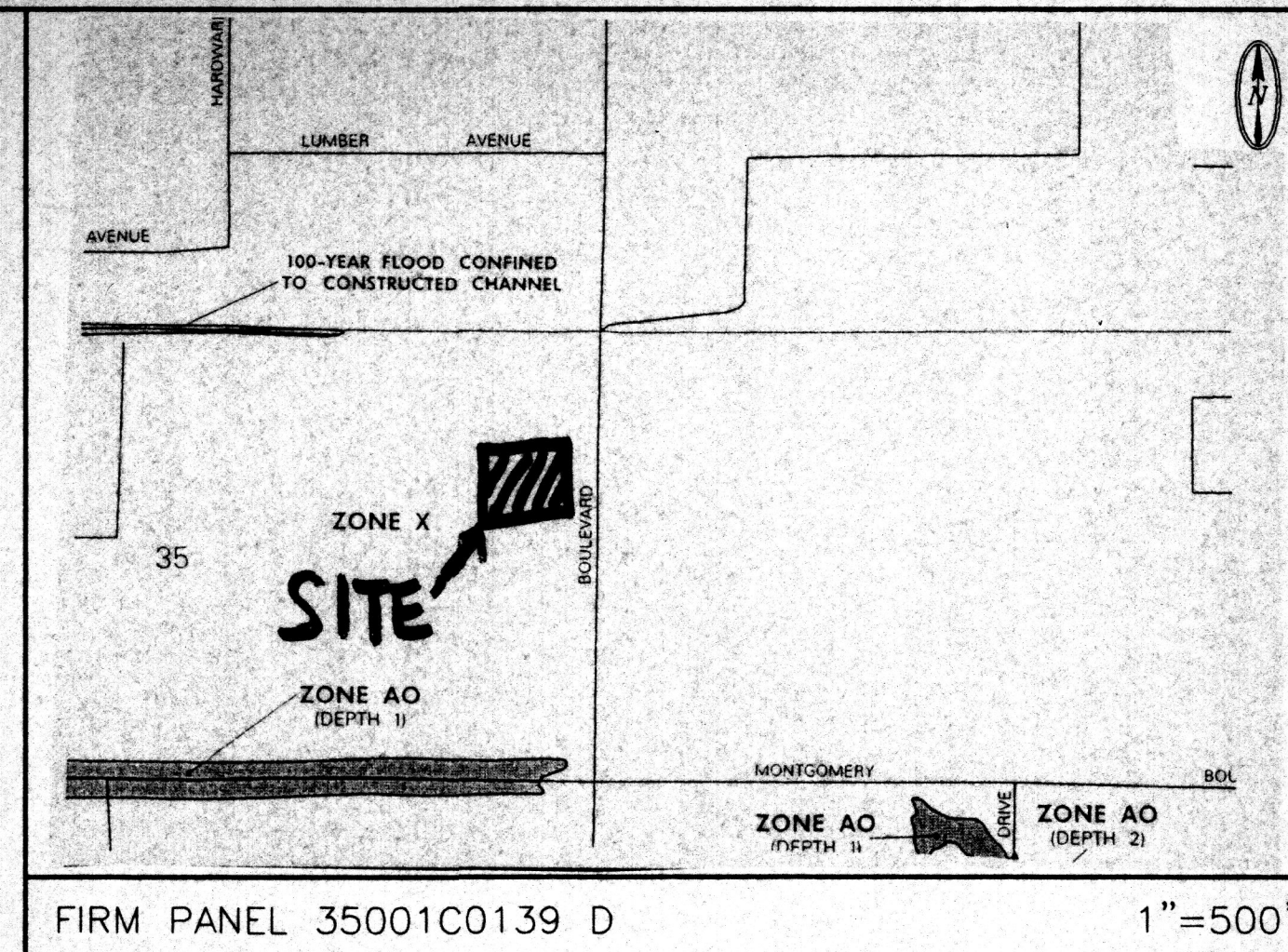
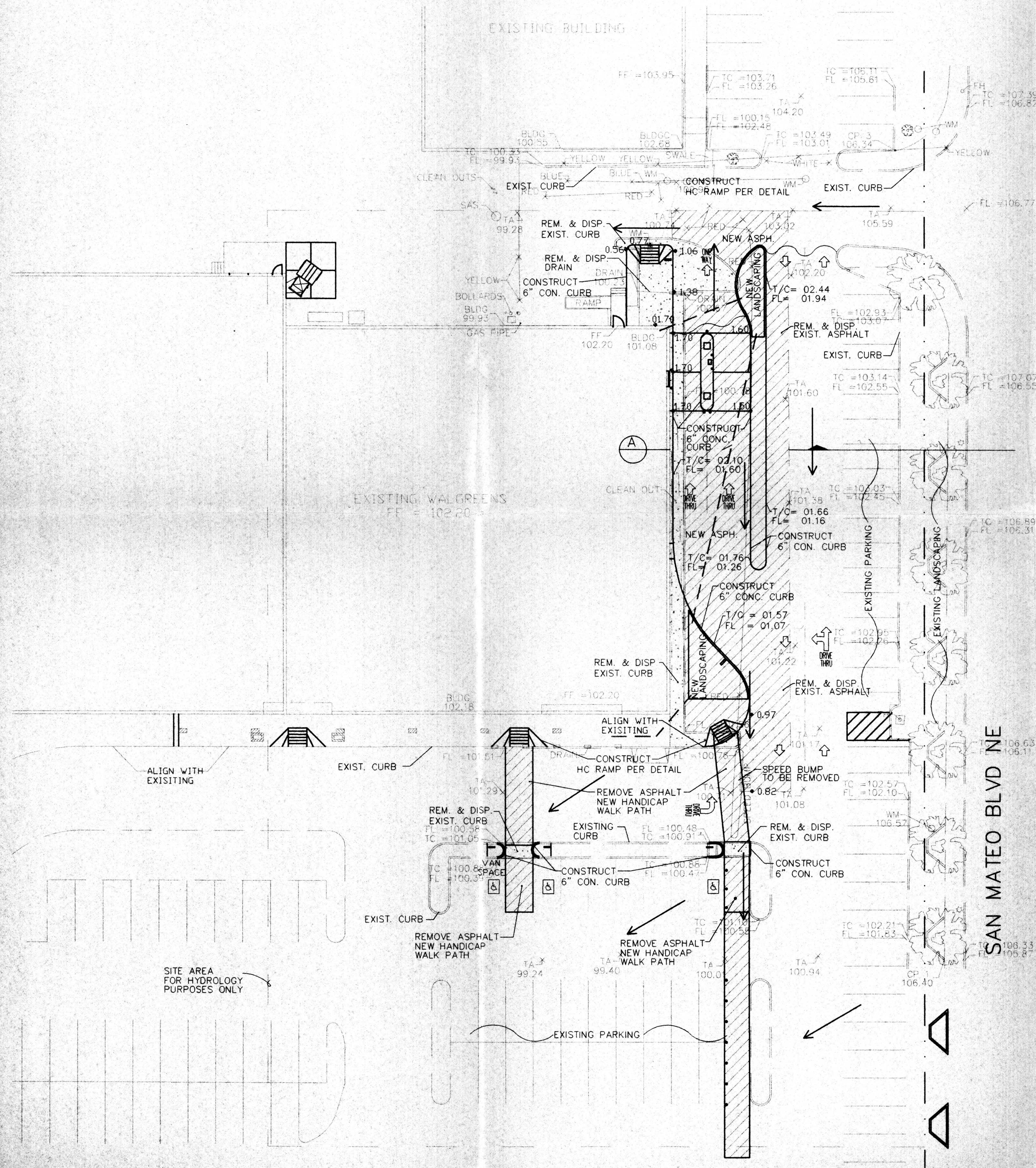




HYDROLOGY - HYMO								
Precipitation Zone 2		P360 = 2.35 in						
Basin	Basin	Land Treatment (acre)				Ew V100 Q100		
	area (Ac)	A	B	C	D	(in)	(af)	(cfs)
Existing Conditions								
A	1.31	0.00	0.00	0.04	1.27	2.09	0.228	6.09
B	0.15	0.00	0.00	0.00	0.15	2.12	0.027	0.71
SITE	1.46	0.00	0.00	0.04	1.42	2.09	0.255	6.80
Developed Conditions								
A	1.31	0.00	0.00	0.04	1.26	2.08	0.227	6.07
B	0.15	0.00	0.00	0.00	0.15	2.12	0.027	0.71
SITE	1.46	0.00	0.00	0.04	1.41	2.08	0.254	6.78

GRADING AND DRAINAGE PLAN

SCOPE:

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

EXISTING CONDITIONS:

The project site is approximately 1.46 acres in size and is located on the northwest corner of Montgomery Blvd. NE and San Mateo Blvd. NE in the Montgomery Plaza Shopping Center. The site is bounded on the east by San Mateo Blvd., on the south by an existing parking lot, on the west and north by existing leased properties. Presently the site is developed as a pharmacy. The site slopes from east to west at approximately 2 percent. No off-site flows impact the site.

As shown by the attached FIRM Panel, this site does not lie within a designated flood hazard zone.

PROPOSED CONDITIONS:

As shown by the Plan, the project consists of the addition to the existing Walgreens, and construction of a drive-up Pharmacy window. The plan shows the elevation required to properly grade and construct the required improvements. The direction of the drainage flows are given by flow arrows and the project hydrology is tabulated both for existing and developed conditions. This is an infill site and the drainage basin is completely developed.

All drainage flows will be managed on-site by surface improvements. Flows on the south and east of the building will discharge to Montgomery Blvd. Flows on the north of the building will flow into an existing drop inlet.

CALCULATIONS:

The calculations contained herein define the 100-year/6-hour design storm falling within the project area under existing and developed conditions. The hydrology is per Chapter 22, Development Process Manual, Vol. 2, 1997 revision. Calculations are provided to demonstrate the capacity and function of all proposed storm drainage infrastructures.

PROPERTY ADDRESS

5001 MONTGOMERY PLAZA NE

LEGAL DESCRIPTION

Montgomery Plaza, Tract D-1

PROJECT BENCHMARK

TBM: NE corner of Montgomery and San Mateo
an aluminum disk stamped "A.C.S. B.M., 10-F18"
Elevation 5202.054 feet

SURVEY

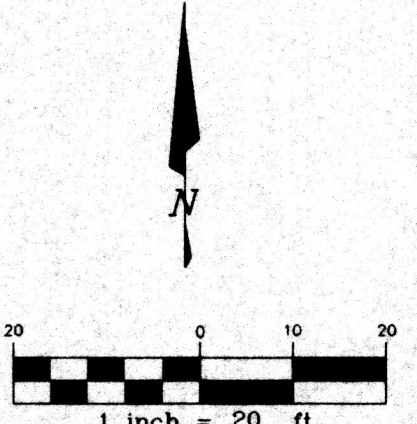
Topographic and Field Measurement by
Brasher Engineering Inc.
Dated October, 2000

DRAINAGE PLAN NOTES

1. BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
4. This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation/structural design, or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.
6. BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.

LEGEND

- 5001 — EXISTING CONTOUR ELEVATION
- 02.5 X EXISTING SPOT ELEVATION
- 01 — PROPOSED CONTOUR ELEVATION
- — — — — PROPERTY LINE
- 01.5 • PROPOSED SPOT ELEVATION
- ← DIRECTION OF FLOW
- DRAINAGE SWALE
- - - - - DRAINAGE BASIN DIVIDE
- ASPHALT TO BE REMOVED
- CONCRETE TO BE REMOVED



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CONSULTING ENGINEERS

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Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

Drawn By: H.C. DATE: NOVEMBER, 2000

Checked By: D.A.L.

File: 005126-D.DWG SHEET 1 OF 1