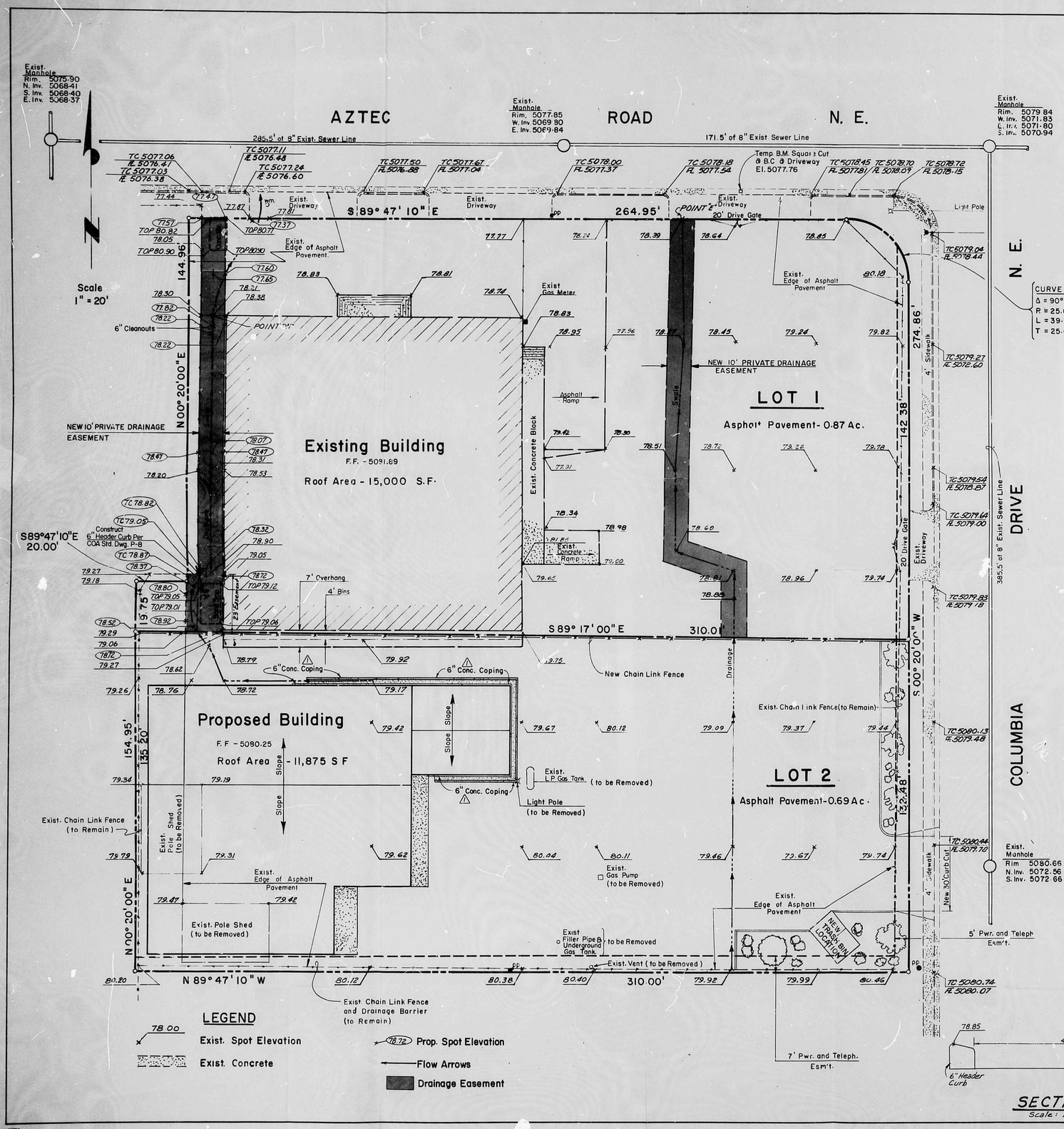
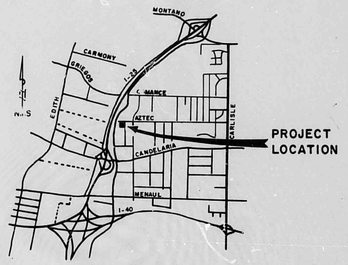
HYDROLOGY G15/D16 CUTTER INDUSTRIAL PARK

G15/D16

CUTTER INDUSTRIAL PARK

1 PLAN





VICINITY MAP
ZONE ATLAS G-15-Z

HISTORY: The area is zoned M-1 and has been for more than 10 years. The last 10 years have brought no changes to the neighborhood nor to the drainage patterns. The lots, Lots 1 and 2 of the Rio Grande Supply Company Subdivision, see attached plat, are entirely paved with asphalt and have been for more than 10 years. Nothing has changed on the lots except that a building is proposed for Lot 2 and private drainage easements have been added to Lot 1. The same party owns both Lots 1 and 2.

FLOOD HAZARD: The lots are delineated on Flood Hazard Boundary Map No. 23 of 50, dated September 18, 1985.

SOILS: Soils and erosion data for the area is not applicable since the area is presently 100% paved and shall remain so.

OFF-SITE CONDITIONS: The off-site watershed area has not been calculated or delineated since there is no off-site drainage onto the lots.

ON-SITE CONDITIONS: The on-site developed flow volumes and rates are as follows:

Q_1(East) = c x i x a = 0.9 x 5.0 in/hr x 1.1024 ac. = 4.96 cfs

depth = 0.25', velocity = 1.7 ft/sec. @ Point "E" on Plan

Q_2(West) = c x i x a = 0.9 x 5.0 in/hr x 0.870 ac. = 3.92 cfs

depth = 0.5', velocity = 1.7 ft/sec. @ point "W" on Plan

PROPOSED CONDITIONS: The flow of the on-site volumes will be handled as in the past with the two existing swales running north onto Aztec Road N.E. No ponding is required. This flow then travels west on Aztec to existing drainage facilities.

New private 10' drainage easements have been centered on the drainage swales on Lot 1 for future drainage protection. The swales also accommodate any nuisance waters that may occur on the site.

RECEIVED APR 25 1985 HYDROLOGY SECTION

NO.	DATE	REMARKS
1	10-1-84	Drainage Revision
2	4-22-83	Drainage Revision

REVISIONS

	BY	DATE
DESIGNED BY	L.W.G.	9/6/83
DRAWN BY	L.J.B.	9/6/83
CHECKED BY	L.C.G.	9/15/83

D.A.S. J.C.R.

REFERENCES: MAP NO. G-15-Z; EST. NO.; W.O. NO.

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

BENCH MARKS

AAA Site T-3 Elevation 5079.035 From the Intersection of Candelaria Road and I-25 East Frontage Road, go North on East Frontage Road for 0.25 Mile to Station on the Left. Station is a standard USCE Brass Cap set in Concrete Post Projecting One (1) Foot Above the Ground.

AS BUILT INFORMATION

CONTRACTOR
AS-BUILT PLANS PREPARED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY CITY ENGINEER — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: RIO GRANDE SUPPLY GRADING AND DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. — SHEET — OF

DGA. NO. - 685.12

G-15-4