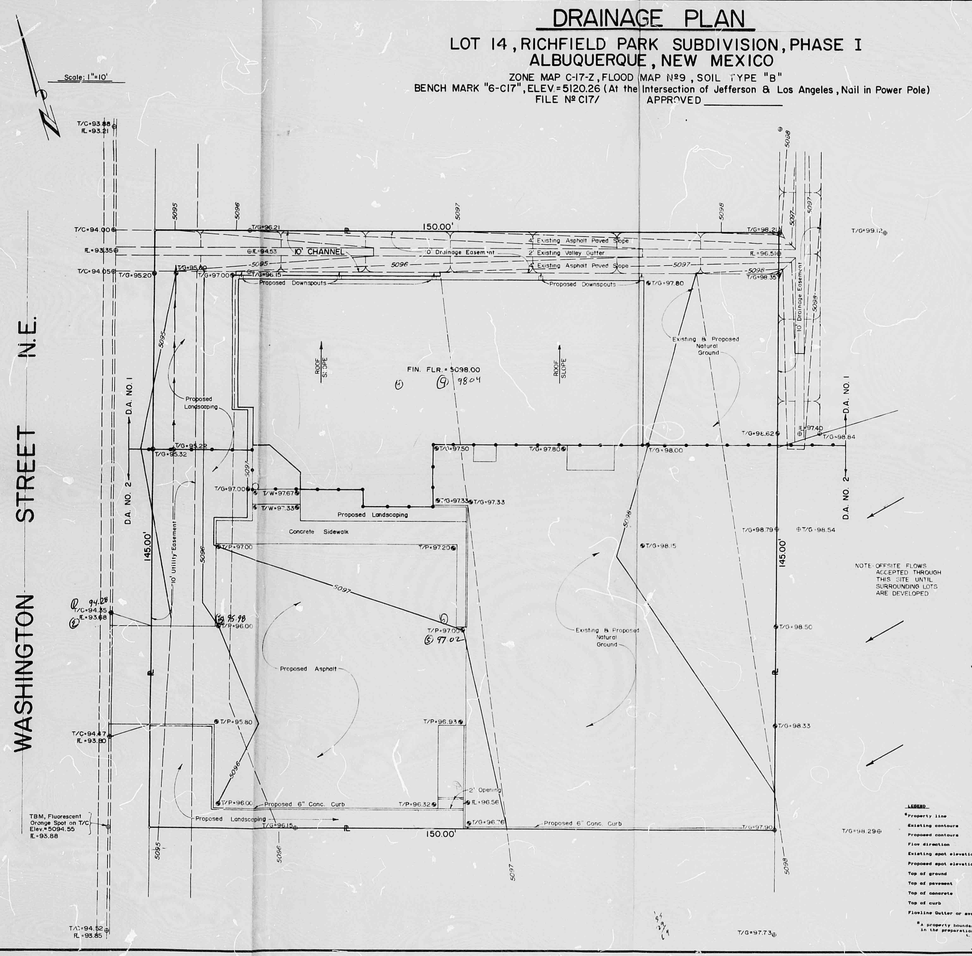
PUBLIC WORKS/HYDROLOGY

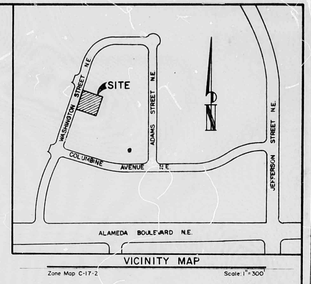
C17/D2A4

DRAINAGE PLAN

LOT 14, RICHFIELD PARK SUBDIVISION, PHASE I
ALBUQUERQUE, NEW MEXICO

ZONE MAP C-17-Z, FLOOD MAP Nº 9, SOIL TYPE "B"
BENCH MARK "6-C17", ELEV = 5120.26 (At the Intersection of Jefferson & Los Angeles, Nail in Power Pole)
FILE Nº C17/ APPROVED _____





VICINITY MAP
Zone Map C-17-Z Scale: 1" = 300'

HYDROLOGY

100 y. - 6 hr = 2.3 in I = 2.3 X 6.84 / 3.24 = 4.86 in / hr

Area = 21,750 sf = 0.50 ac

EXISTING

Use C = 0.40

Q = 0.40 X 4.86 X 0.50 = 0.97 cfs

CN = 66 Direct Run Off = 0.22 "

V = 0.22 / 12 X 21,750 = 399 cf

PROPOSED

D.A. No. 1 to Channel

Area = 8,143 sf = 0.19 ac

Roof	= 4,377 X 2.98 =	3,939
Landscape	= 922 X 0.25 =	231
Natural Ground	= 1,344 X 0.40 =	538
Pavement	= 1,500 X 0.95 =	1,425
	8,143	6,133

C = 6,133 / 8143 = 0.75

Q = 0.75 X 4.86 X 0.19 = 0.69 cfs to Channel

CN = 98 Direct Run Off = 1.35 in

V = 1.35 / 12 X 8,143 = 916 cf to Channel

D.A. No. 2 to Washington Street

Area = 13,607 sf = 0.31 ac

Pavement	= 5,079 X 0.95 =	4,825
Natural Ground	= 6,916 X 0.40 =	2,766
Landscape	= 1,612 X 0.25 =	403
	13,607	7,994

C = 7,994 / 13,607 = 0.59

Q = 0.59 X 4.86 X 0.31 = 0.89 cfs to Washington Street

CN = 85 Direct Run Off = 1.4 in

V = 1.0 / 12 X 13,607 = 1,134 cf to Washington Street

RECEIVED MAR 15 1989 HYDROLOGY SECTION

HYDROLOGY SURVEY

Survey Date: 10-20-89
Hydrology Book No./Page No. B91 / 37-19
Surveyed by: A. Garcia

EROSION CONTROL NOTES

The contractor shall be responsible for compliance of the following:

1. No sediment bearing water shall be allowed to discharge from the site during construction.
2. During grading operations and until the project has been completed all adjacent property, rights of way and easements shall be protected from flooding.
3. Any and all sedimentation originating from the site which is deposited within public right of way shall be promptly removed by the contractor.
4. Control of sediment laden waters will be accomplished by berms or a temporary earth berm of adequate height. The berm shall be located along the downstream perimeters of the property.

LEGEND

Property line	
Existing contours	4930
Proposed contours	4925
Flow direction	
Existing spot elevations	⊕
Proposed spot elevations	⊕
Top of ground	T/G
Top of pavement	T/P
Top of concrete	T/Conc
Top of curb	T/C
Flowline Gutter or swale	K

* A property boundary survey was not performed in the preparation of this plan.

CONTRACTORS OFFICE & WAREHOUSE

LOUIS GROSS & ASSOC., INC.
Consulting Civil Engineers
925 8th Street N.W. Suite 3
Albuquerque, N. Mex. 87102
(505) 243-6353

File Nº 440	
Date: March '89	
Drawn LCG	
Sheet 1 of 1	

F.12 C17/D24

RE 24 DATE 3-14-92 OP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the **Public Works Department** and was created in the normal course of business.

The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS115-1977)

DIRECTOR 11-15-92

NOTARY PUBLIC
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 12/07/92

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

PLANS/PLATS ON FILE

FILE DESC: C17/D24

PLANS/PLATS 1

E 30 D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D F