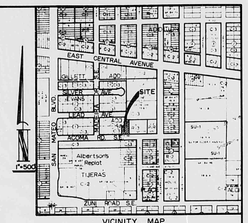
DRAINAGE PLAN

LOT Z

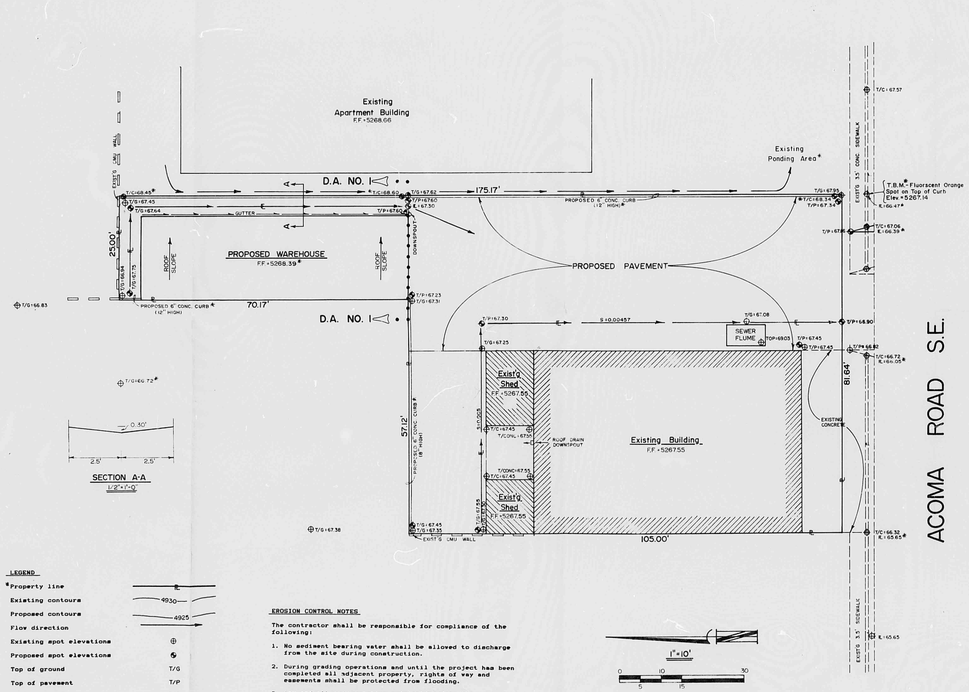
DIVISION OF THE LAND OF J. MICHAEL JONES

ALBUQUERQUE, N.M.

ZONE MAP K-18 FLOOD MAP 30
SOIL TYPE "B" BENCHMARK "8-K18" ELEV. = 5262.15
FILE K18/ APPROVED _____



VICINITY MAP



SECTION A-A
1"=1'-0"

LEGEND

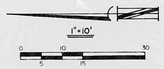
*Property line	
Existing contours	4930
Proposed contours	4925
Flow direction	
Existing spot elevations	⊕
Proposed spot elevations	⊕
Top of ground	T/G
Top of pavement	T/P
Top of concrete	T/Conc.
Top of curb	T/C
Flowline Gutter or swale	FL

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

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 use of a compacted earth berm of adequate height. The berm shall be located along the downstream perimeters of the property.



HYDROLOGY

100 yr- 6 hr = 2.35 in I = 2.35 X 2.3 = 5.4 in/hr

Area = 10,326 sf = 0.237 ac

EXISTING

Roof = 3,264 X 0.90 =	2,938	
Hard Gravel = 6,622 X 0.65 =	4,304	
Pavement = 440 X 0.95 =	418	
	10,326	7,660

C = 7,660 / 10,326 = 0.74

Q = 0.74 X 5.4 X 0.237 = 0.95 cfs

CN = 88 Direct Run Off = 1.2 in

V = 1.2 / 12 X 10,326 = 1,033 cf

PROPOSED

D.A. No. 1

Area = 1,754 sf = 0.040 ac

Roof = 1,300 X 0.90 =	1,170	
Hard Gravel = 454 X 0.65 =	295	
	1,754	1,465

C = 1,465 / 1,754 = 0.84

Q = 0.84 X 5.4 X 0.040 = 0.18 cfs

CAPACITY SECTION A-A

A = 0.75 sf P = 3.0 ft R = 0.15 R^0.67 = 0.28

S = 0.005 S^0.5 = 0.07

Q = 0.75 X 1.486 / 0.030 X 0.28 X 0.07 = 0.73 cfs - O.K.

TOTAL PROJECT

Roof = 4,564 X 0.90 =	4,108	
Hard Gravel = 826 X 0.65 =	543	
Pavement = 4,936 X 0.95 =	4,688	
	10,326	9,331

C = 9,331 / 10,326 = 0.90

Q = 0.90 X 5.4 X 0.237 = 1.15 cfs

CN = 94 Direct Run Off = 1.8 in

V = 1.8 / 12 X 10,326 = 1,549 cf

RECEIVED
SEP 02 1988
HYDROLOGY SECT.

9/2/88

*Revised 9/2/88

LOGAN / SIMPSON & ASSOCIATES, INC. Consulting Civil Engineers 6121 Indian School Rd. N.E. Suite 200 Albuquerque, New Mexico 87110 (505) 883-3191	
DRAINAGE PLAN	file # 589
for MICHEAL JONES	date 8/24/88
for 5523 ACOMA DR. S.E.	drawn C.L.L.
ALBUQUERQUE, N.M.	sheet 1 of 1

Ref 22 DATE 6/8/93 CR 0052

CITY OF ALBUQUERQUE

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Karen Aarons
CITY CLERK RECORDER

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PLANS/PLATS ON FILE

FILE DESC: K-18/0052

PLANS/PLATS 1

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F