HYDROLOGY

K22/D26

K22/D26

13405 FRUIT

AVENUE

1 PLAN

GRADING AND DRAINAGE PLAN

IMPORTANT SHEET

PROJECT TITLE	HAROLD CUMERS APTS
ZONE ATLAS	K-22
CITY ADDRESS	13405 FRUIT AVE. NE
LEGAL DESCRIPTION	LOT 6, BLOCK 4, CHELWOOD PARK ADDITN
ENGINEERING FIRM (SURVEYOR)	HALL ENGINEER CO. 3526 PEGITA AVE. NE., SUITE 300 PHONE 884-6300
CONTACT	RICHARD HALL
ARCHITECT	DONALD A. KRUEGER & ASSOC. INC. 1126 GRAND CHERRYHILL NE. PHONE (505) 293-7888
CONTRACTOR	
OWNER	CUMERS AND ASSOCIATES, INC. 1700 EUBANK NE. (505) 293-0766
CONTACT	HAROLD C. CUMERS
TYPE OF SUBMITTAL	GRADING & DRAINAGE PLAN
SUBMITTED BY	RICHARD HALL
DATE	OCT 31st 1983

CALCULATIONS

EXISTING CONDITIONS
TOTAL AREA 2520 ft²
Q = 0.391 x 5.4 x 0.172
= 0.362 cfs

DEVELOPED CONDITIONS
TOTAL AREA OF BLDG
2,870 ft²
Q = 1.0 x 5.4 x 1,870/43,560
= 0.232 cfs

8 GARAGES
TOTAL AREA 864.7 ft²
Q = 1.0 x 5.4 x 864.7/43,560
= 0.10 cfs

ASPHALT PARKING 1908 ft²
Q = 1.0 x 5.4 x 1908/43,560
= 0.18 cfs

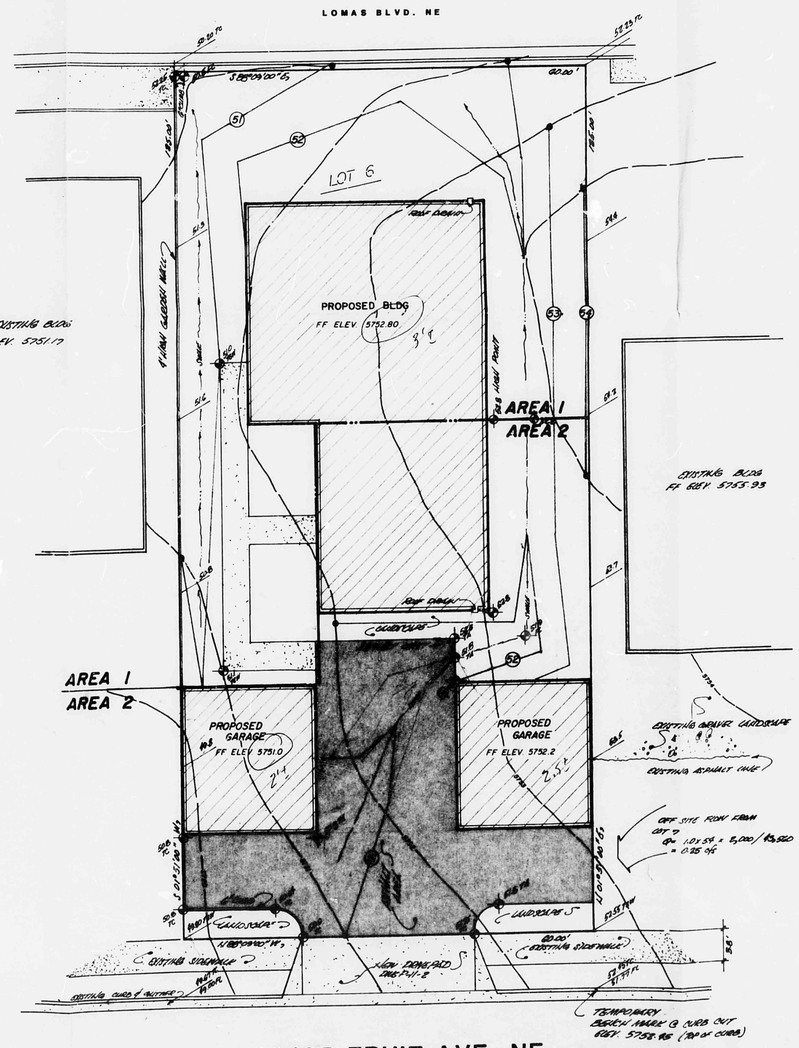
SIDEWALK & PATIO
SIDEWALK 1,120 ft²
PATIO 100 ft²
Q = 1.0 x 5.4 x 1,120/43,560
= 0.03 cfs

LANDSCAPE AREA
Q = 0.4 x 5.4 x 3572/43,560
= 0.17 cfs

TOTAL 0.68 cfs

OFF SITE FLOW
(FROM LOT 7)
Q = 1.0 x 5.4 x 5,000/43,560
= 0.25 cfs

NOTE
43% OF TOTAL RUNOFF FLOWS INTO LOMAS BLVD NE. (AREA 1)
57% TO FRUIT AVE. (AREA 2)



13405 FRUIT AVE. NE

VICINITY MAP

SCALE 1" = 10'

LEGEND

EXISTING CONTOUR LINE	5754
EXISTING SPOT ELEVATION	6.4
DESIGNED CONTOUR LINE	53
DESIGN SPOT ELEVATION	5.8
FL = FLOWLINE	
TC = TOP OF CURB	
TSW = TOP OF SIDEWALK	
TA = TOP OF ASPHALT	

RICHARD V. HALL
NEW MEXICO
7918
REGISTERED PROFESSIONAL ENGINEER

DECEMBER 2, 1983

K22-D26

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