HYDROLOGY K18/D18 1 PLAN

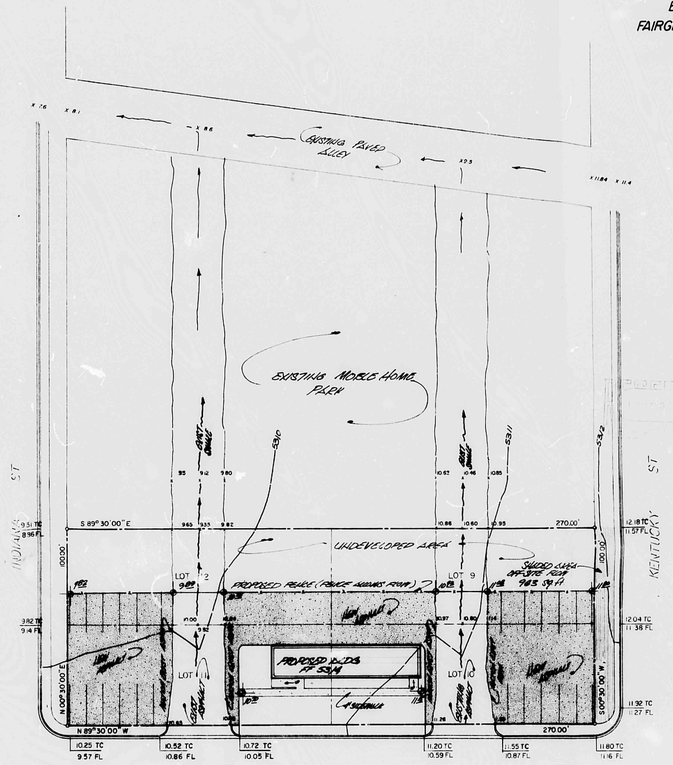
K18/D18

1 Plan

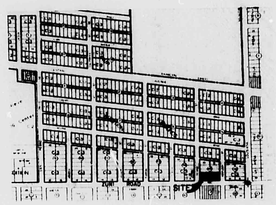
CITY OF

DRAINAGE & GRADING PLAN

LOTS 9, 10, 11 & 12
BLOCK 15
FAIRGROUND ADD'TN

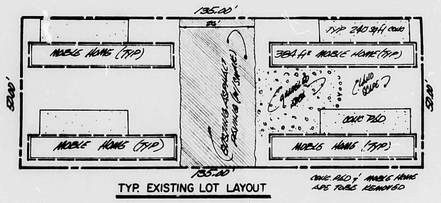


6901 ZUNI ROAD S.E.



VINICITY MAP

K-18



TYP. EXISTING LOT LAYOUT

NORTH
SCALE 1" = 30'

LEGEND

EXISTING CONTOUR LINE — 5312
DESIGNED CONTOUR LINE — EXISTING CONTOUR
EXISTING SPOT ELEV — 12.18 TC
DESIGNED SPOT ELEV — 11.88
PROPERTY LINE
FENCE LINE — x — x
TOP OF CURB TC
FLOWLINE FL
TOP OF ASPHALT TA

NOTES

1) ALL ELEVATIONS SHOWN ARE REFERENCE TO CITY BM 5-L18, ELEV 5315.534.
2) SUBJECT PROPERTY IS SITUATED IN A FLOOD HAZARD ZONE PER FLOOD BOUNDARY, FLOOD WAY MAP PANEL 30 of 50.

EXISTING CONDITIONS

CALCULATIONS SHOWING ONLY ONE LOT (TYPICAL LOT)

BLDG Q= 1.0 x 5.4 x 4 (8'x48' MOBILE HOMES) + 4 (8'x30' DOUG PALO) / 43,560 = 0.31 CFS.

ASPH. Q= 0.9 x 5.4 x 13,000 / 43,560 = 0.15 C.F.S

LS Q= 0.4 x 5.4 x 530 / 43,560 = 0.03 C.F.S

PARKING AREA (CONCRETE SURFACE) Q= 0.8 x 5.4 x 2,324 / 43,560 = 0.23 CFS

TOTAL 0.72 / LOT
FOUR LOTS = 4 (0.72) = 2.88 CFS

OFF-SITE FLOW
Q= 0.4 x 5.4 x 963 / 43,560 = 0.05 C.F.S

TOTAL C.F.S. (EXISTING): 2.93

DEVELOPED CONDITIONS

BLDG Q= 1.0 x 5.4 x 12,168 / 43,560 = 1.65 CFS

SIDE WALK Q= 1.0 x 5.4 x 48 / 43,560 Q = 0.05 C.F.S.

LAND SCAPE Q= 0.4 x 5.4 x 2375 / 43,560 = 0.12

ASPHALT PAVING Q= 0.9 x 5.4 x 16,971 / 43,560 = 1.84

UNDEVELOPED AREA Q= 0.9 x 5.4 x 2,180 / 43,560 = 0.72

TOTAL 'Q' 2.88 CFS

EXISTING OFF-SITE FLOW 0.05

HERE 2.88 + 0.05 = 2.93 TOTAL
NO INCREASE DUE TO DEVELOPMENT

RICHARD V. HALL
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

March 20th 1984

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CITY OF ALBUQUERQUE
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