HYDROLOGY

D18/D8B

ONE PLAN

PLAN

CHISEL SMITH

TRACT P

D18/D8B

DRAINAGE & GRADING PLAN

D18/D8B

CALCULATIONS

EXISTING CONDITIONS — FOR CLASS "A" —

Q= C(A) = 0.95 x 0.5 x 1.0 (1.0) = 0.475 CFS

EXISTING CONDITIONS

ASPHALT (TAKE PART INCLUDED)

Q= C(A) = 0.95 x 1.0 (1.0) 43,560 = 1.95 CFS

SIDE WALKS (TOTAL)

Q= 1.0 x 0.8 x 6108 / 43,560 = 0.07 CFS

BUILDING

Q= 1.0 x 0.8 x 4,608 / 43,560 = 0.08 CFS

LANDSCAPE

Q= 0.35 x 0.8 x 14,723 / 43,560 = 0.09 CFS

0.41 CFS EXISTING TOTAL

DUE TO SITE FLOW

Q= C(A) = 0.95 x 0.8 (39,500 / 43,560) = 0.68 CFS

Q= C(A) = 0.95 x 0.8 (4,608 / 43,560) = 0.08 CFS (SOUTH SIDE)

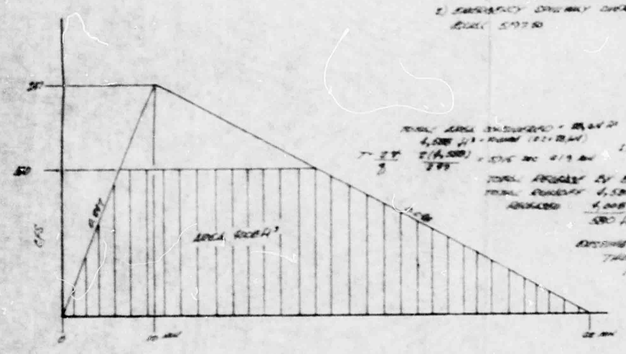
0.76 CFS TOTAL

NOTE
FLOW OFF > 0.25 THRU COURTYARD
WITH WATER PLAN
FOR # D/B-DB CHISEL SMITH I-96
FRONTAGE ROAD PROPERTY

ADDITIONAL INFORMATION

1) CHISEL PROPERTY IS NOT LOCATED IN ANY FLOOD HAZARD ZONES (FIRM STAMP - 0000 C)

2) EMERGENCY OVERFLOW OVER EXISTING ROAD ELEV. 5097.50



TOTAL AREA TRIBUTARY = 39,500 ft²

4,608 ft² x 0.8 (0.8) = 3,686 ft²

T = 3.3 / 3 = 1.1 min

TOTAL REQUIRED BY ATTACHED = 1000 ft²

TOTAL PROVIDED 4,686 ft²

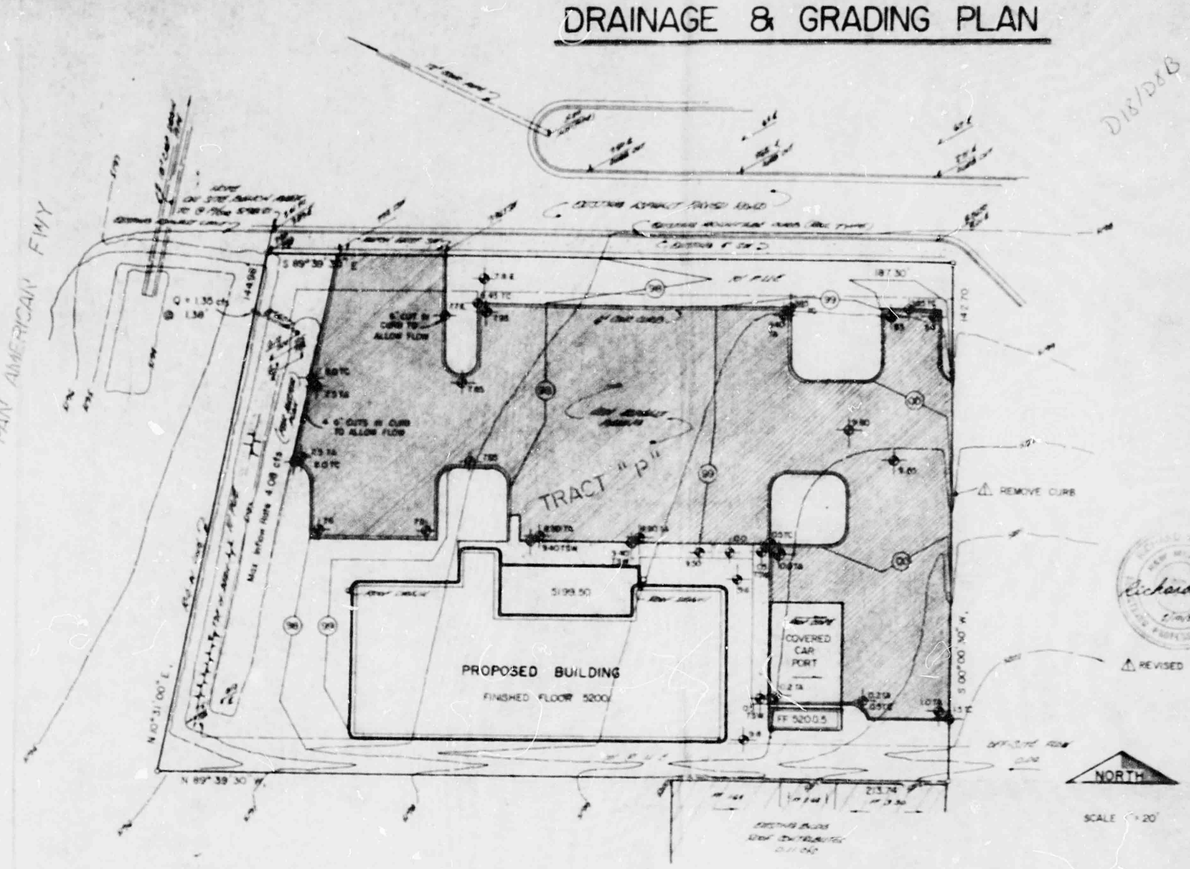
REQUIRED 1,000

580 ft² OVER REQUIRED

EXISTING PAVED AREA = 1,179 ft²

THUS

(1,179 ft²) > 580 ft²

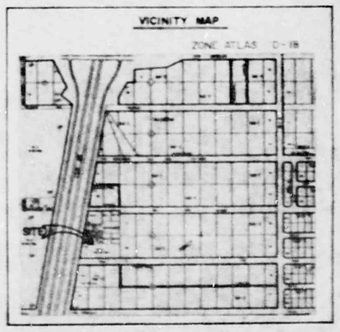


LEGEND

EXISTING CONTOUR LINE — 5200
PROPOSED CONTOUR LINE — 30
EXISTING SPOT ELEVATIONS — 5.00
PROPOSED SPOT ELEVATIONS — 9.80
TOP OF CURB — TC
TOP OF ASPHALT — TA
TOP OF SIDEWALK — TS
FLOW LINE — FL
TOP OF SIDE WALK — TSW
PROPOSED BUILDING — PROPOSED BUILDING
ELEVATION — 5.97580 MSL

VICINITY MAP

ZONE ATLAS D-18



DURA BILT PRODUCTS, INC.
GENERAL CONTRACTORS LICENSE NO. 3044
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OFFICE BUILDING
CHISEL SMITH ENTERPRISES
7804 PAN AMERICAN FREEWAY N.E. ALBUQUERQUE N.M.

DATE: 23 FEB 84
JOB NO. 84-104

SHEET NO. 2 OF 9

D18/D8B