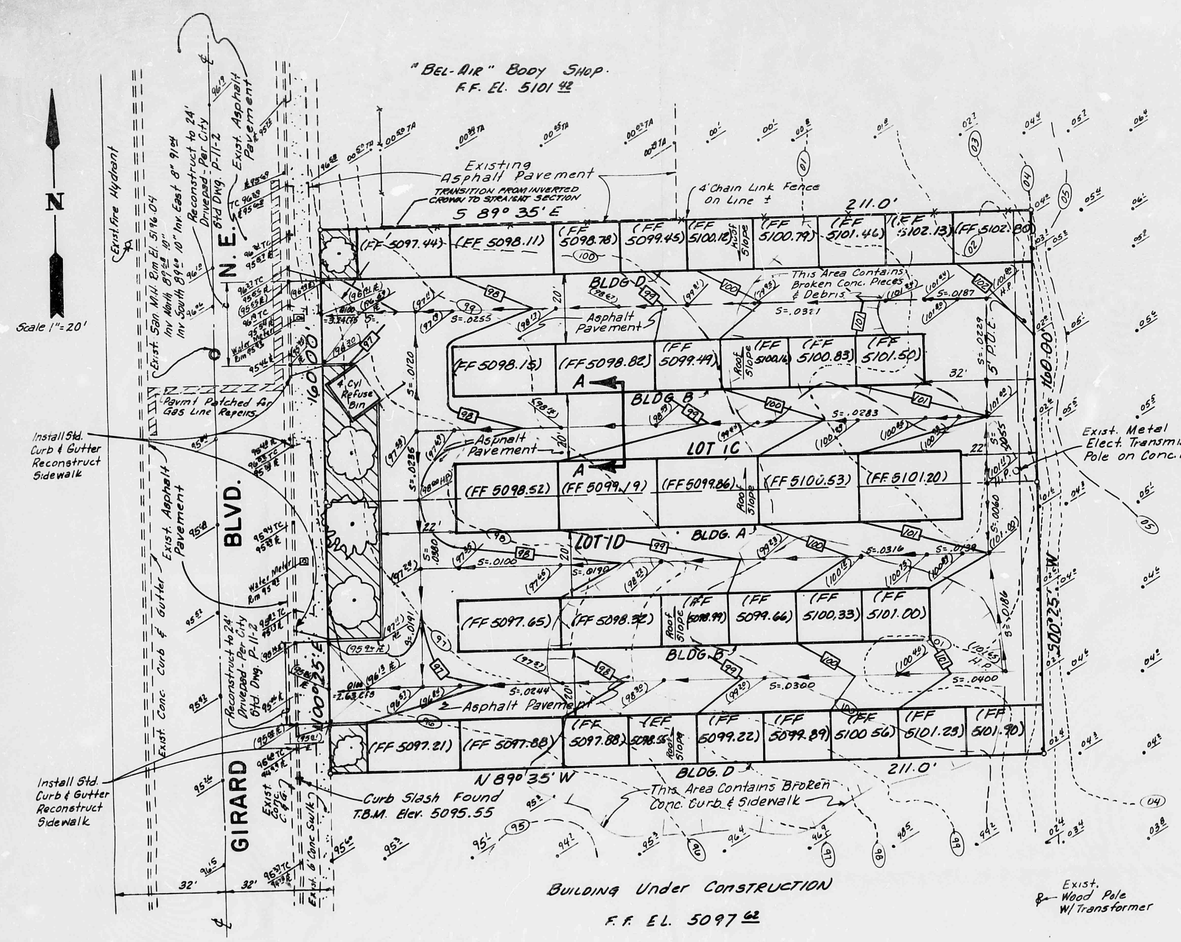
HYDROLOGY

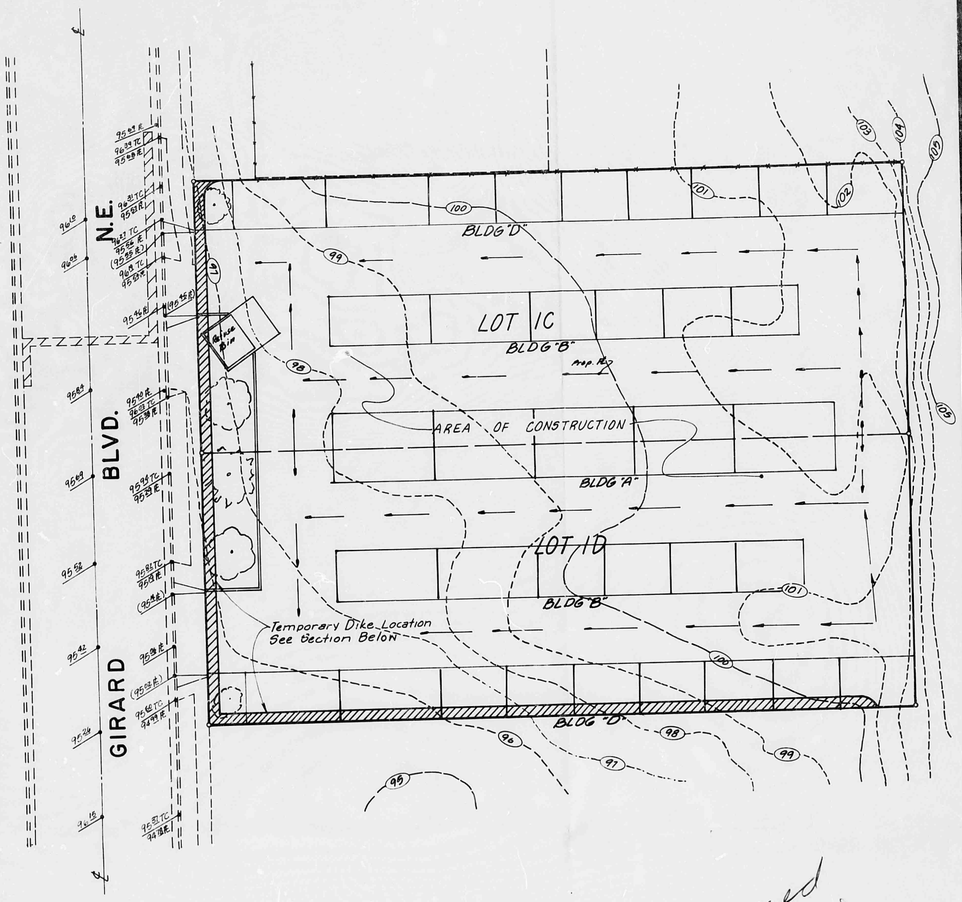
H16/D58
1 PLAN

H16/D58

1 PLAN

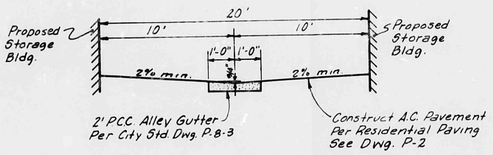


DRAINAGE AND GRADING PLAN



EROSION CONTROL PLAN

Approved 4/9/84



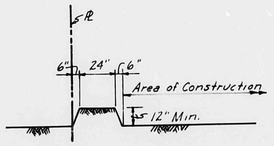
SECTION A-A

No Scale

NOTE: TYPICAL FOR ALL ALLEYS

LEGEND

- Proposed Elevation
- Existing Elevation
- Top of Curb Elevation
- Proposed Contour
- Existing Contour



TEMPORARY DIKE SECTION

No Scale

VICINITY MAP H-16

PRINTED MAR 19 1984

DRAINAGE COMPUTATION:

1. ONSITE DRAINAGE:

. Total Area Contributing = 33,600 SF

Finding Composite "C"

Description	Area	Factor	A x F
Roof/Bldg.	13,200	0.95	12,540
Landscaping	1,374	0.30	412
Pavement	19,026	0.95	18,075
	33,600 SF		31,027 SF

Composite "C" = 31,027 / 33,600 = 0.923; I = 4.65

Q_{100}" CIA = 0.923 x 4.65 x 33,600/43560 = 3.31 cfs

Individual Drainage Area contributing to each access drive:

Area - 1 = 19,880 contributing to north drivepad

Q_{A-1}" = 0.923 x 4.65 x 19,880/43560 = 1.96 cfs out to Girard Blvd.

2. OFFSITE DRAINAGE:

Total Area Contributing = 40,000 SF; C = 0.3; I = 4.65

$Q_{OFFSITE}$ = 0.30 x 4.65 x 40,000/43560 = 2.56 cfs

Assume one-half of Q going to north access and the other half to south access drive, then:

RUNOFF total Q outletting to north access drive = 1.96 + 1.28 = 3.24 cfs

RUNOFF total Q outletting to south access drive = 1.35 + 1.28 = 2.63 cfs

RUNOFF total Q_{100} outletting to Girard Blvd. = 3.24 + 2.63 = 5.87 cfs

NOTE:

1. The proposed improvements do not lie in a Flood Hazard Zone Area.
2. B.M. - T.B.M. are located at the S.W. corner of property.

LEGAL DESCRIPTION

LOTS 1-C AND 1-D REPLAT OF LOT-1 UNIT-2, BRUNACINI INDUSTRIAL PARK ALBUQUERQUE, NEW MEXICO.

GRADING, DRAINAGE, & EROSION CONTROL PLANS ONLY PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — 5110 — JAMES J. BORDEN

GRADING, DRAINAGE & EROSION CONTROL PLAN

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