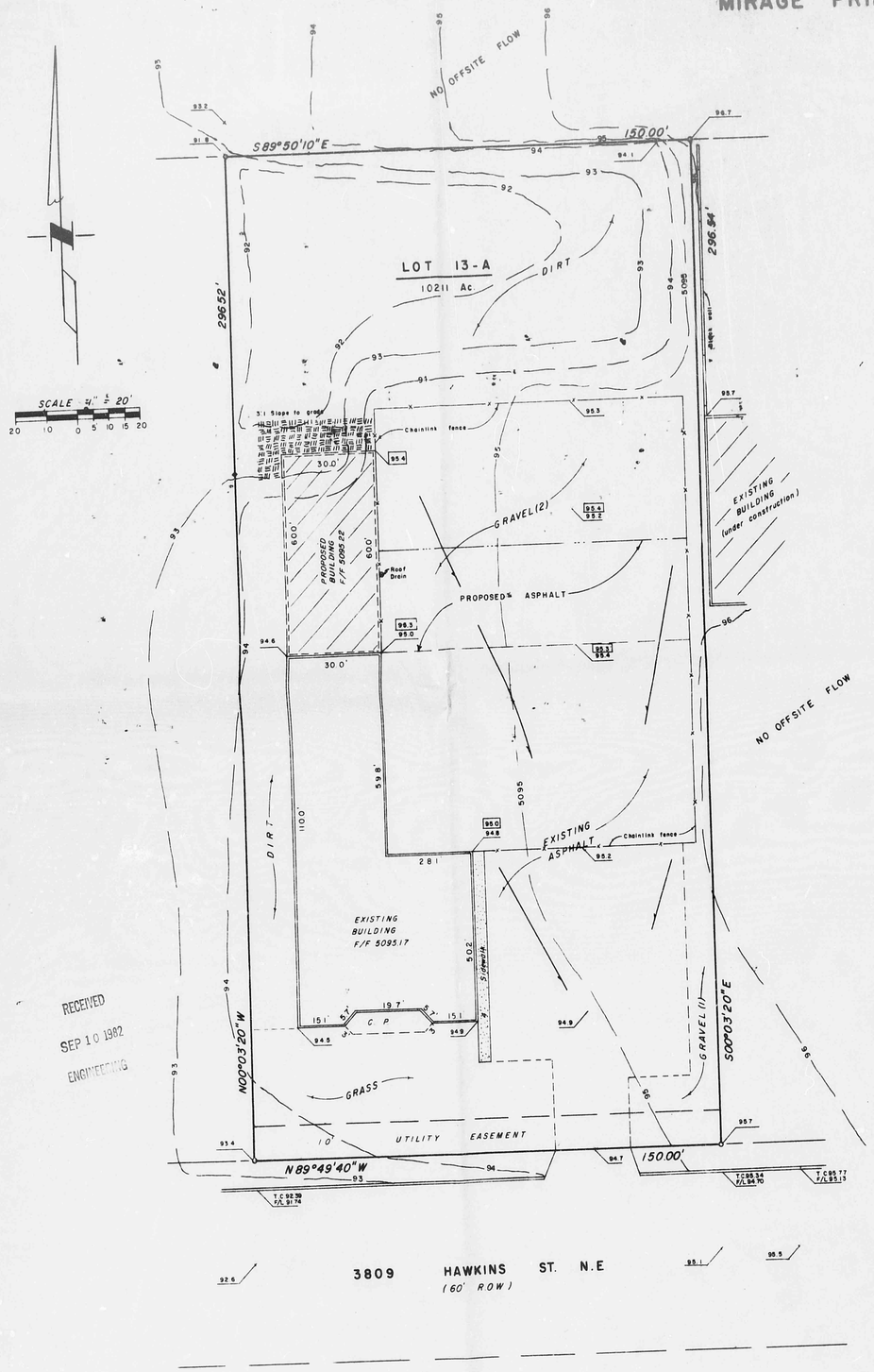
HYDROLOGY

D17/D27
2 PLANS

D17/D27

2 PLANS

GRADING & DRAINAGE PLAN
LOT 13-A, INTERSTATE INDUSTRIAL TRACT, UNIT IV
MIRAGE PRINTING ADDITION TO WAREHOUSE



EXISTING CONDITIONS

Total Area 1.0211 Ac.	44,479 sq. ft.
Existing Building	4,700 sq. ft.
Paving	11,349 sq. ft.
Gravel (1)	1,250 sq. ft.
Gravel (2)	7,090 sq. ft.
Grass	3,530 sq. ft.
Dirt	16,650 sq. ft.

HYDROLOGIC SOIL GROUP EmB — "B"

L = 150' Elev. Diff = 2'
S = 0.0133 FT./FT. 1.33%
Tc = 2 minutes
V = 15 FT/Sec.
Min. Tc = 10 minutes
55% IMPERVIOUS
"C" Factor = 0.6
6 Hour Rainfall = 2.3"
I_{100} = 5.4 in/hr
Q = CIA
Q = (0.6)(5.4")(1.0211) = 3.3 cfs.

PROPOSED CONDITIONS 59% IMPERVIOUS

Increase Building 1800 sq. ft.
"C" = 0.63
Q = 3.5 cfs

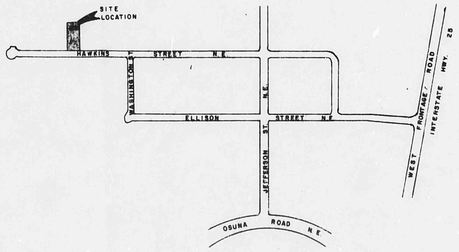
Zone Atlas D-17-Z
All elevations are referenced to
ACS Station 8-D17A
Elev. 5145.55
TBM F/F of existing Bldg

Elevations shown in boxes [95.1] to be new elevations

This site is not in a flood hazard area according to the Flood Hazard Boundary Map of the U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

RECEIVED
SEP 10 1982
ENGINEERING

LOCATION MAP
N.T.S.



APPROVED BY:

CITY HYDROLOGIST DATE

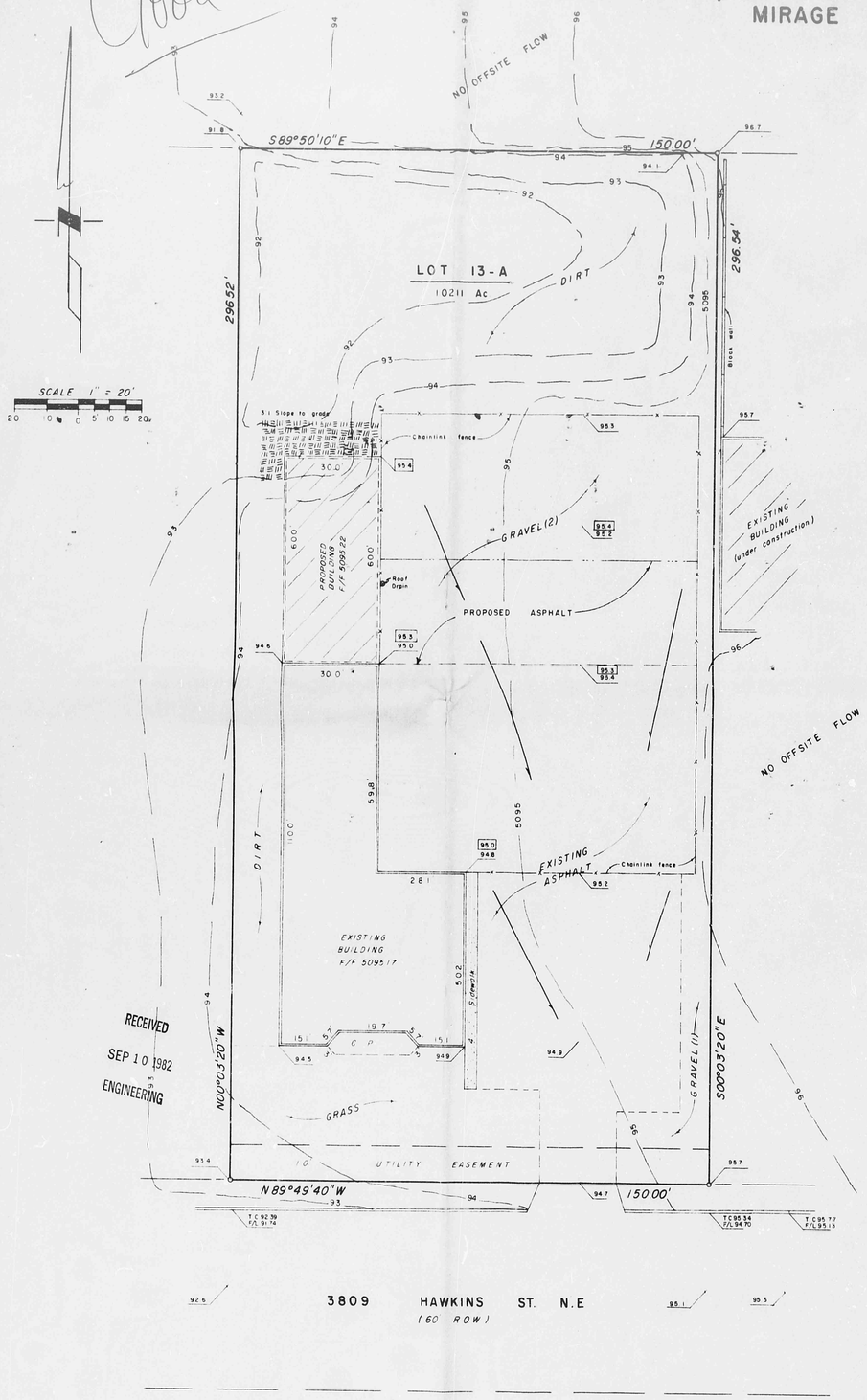
Richard Hall
RICHARD V. HALL N.M.P.E. No. 7918

OWNER: Terry Elliott, Phone 345-8131
Address: 3809 HAWKINS ST. N.E.
CONTRACTOR Tom Duncan
Phone 293-7489

HALL ENGINEERING & SURVEYING CO.
2625 Pennsylvania Ave. NE, Suite 350
Albuquerque, New Mexico 87110
Phones: (505) 884-6200 & 884-6444
S - 08/05/82 FB 81-03

Good

GRADING & DRAINAGE PLAN
LOT 13-A, INTERSTATE INDUSTRIAL TRACT, UNIT IV
MIRAGE PRINTING ADDITION TO WAREHOUSE



RECEIVED
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ENGINEERING

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TBM F/F of existing Bldg

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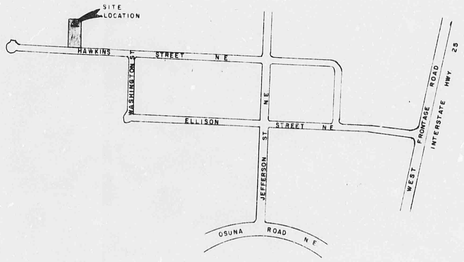
55% IMPERVIOUS
"C" Factor = 0.6
6 Hour Rainfall = 2.3"
I_{100} = 5.4 in/hr
Q = CIA
Q = (0.6)(5.4")(1.021 ac) = 3.3 cfs.

PROPOSED CONDITIONS 59% IMPERVIOUS

Increase Building 18,00 sq ft.
"C" = 0.63
Q = 3.5 cfs.

LOCATION MAP
N.T.S.



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