PUBLIC WORKS/HYDROLOGY

F17/D67

VICINITY MAP E-17, F-17

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1. Vicinity Map
2. Grading Plan
3. Calculations

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CALCULATIONS

Precipitation Zone = 2
Area of Site = 2.59 acres

Existing Conditions

Land Treatment C = 100%
E = 1.13*2.59/2.59 = 1.13 inches
V = 1.13*2.59/12 = 0.24 acre feet?

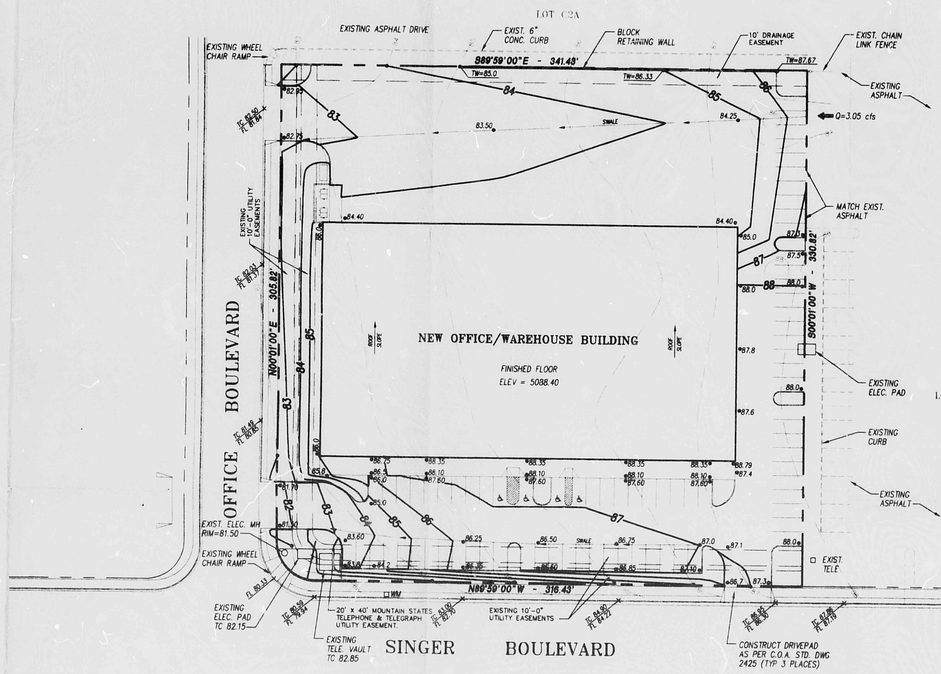
Developed Conditions

Land Treatment B = 10% D = 90%
E = (0.78*2.59*0.10 + 2.12*2.359*0.90)/2.59 = 1.99 inches
V = 1.99*2.59/12 = 0.45 acre feet
Q = (2.28*2.59*0.10 + 4.70*2.59*0.90) = 11.54 cfs

Increase in Rate of Runoff = 11.54 − 8.13 = 3.41 cfs
Increase in Volume of Runoff = 0.45 − 0.24 = 0.19 acre feet

Eliott?
Feedback?

Q = 2.59 (3.14 − 8.99 8.13)



NORTH

GRADING & DRAINAGE PLAN

APRIL 22, 1996 SCALE: 1" = 30'-0" (U.N.O.)

CLAUDIO VIGIL ARCHITECTS

BRUNACINI
OFFICES & SINGER BOULEVARD
OFFICE / WAREHOUSE
5800 OFFICE BOULEVARD
ALBUQUERQUE, NEW MEXICO

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
THOMAS T. MANN, JR.
3792

SHEET C-1

1305 Tijeras NW Albuquerque, NM 87102-2882
Phone: 505/842-1113 Fax: 505/842-1330

Engineering & Surveying Associates, Inc.

APR 2 9 1996
HYDROLOGY DIV

4-26-96

R# 26 DATE 3-26-02 DP ESP

CITY OF ALBUQUERQUE

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DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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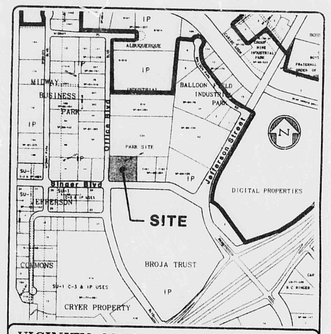
PLANS/PLATS ON FILE

FILE DESC: F17/D67

PLANS/PLATS 3

E 30 D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D F



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CALCULATIONS

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Area of Site = 2.59 acres

Existing Conditions

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Increase in Rate of Runoff = 11.54 - 8.13 = 3.41 cfs
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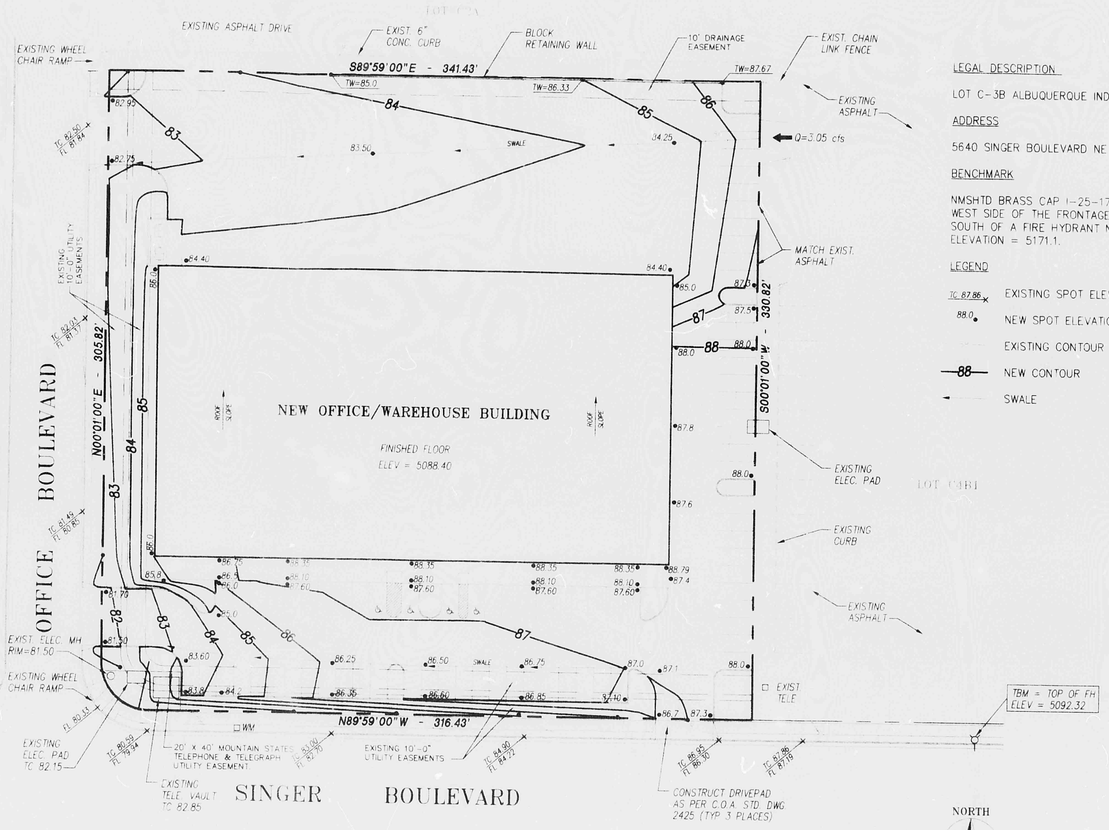
File #2
Hydrology

Qex = 2.59 (3.14/3.75) = 2.59 (0.13)



LEGAL DESCRIPTION

LOT C-3B ALBUQUERQUE INDUSTRIAL PARK

ADDRESS

5640 SINGER BOULEVARD NE

BENCHMARK

NMSHTD BRASS CAP 1-25-17 LOCATED ON THE WEST SIDE OF THE FRONTAGE ROAD, 202' SOUTH OF A FIRE HYDRANT NEAR DIGITAL. ELEVATION = 5171.1.

LEGEND

TC 87.86 EXISTING SPOT ELEVATION
88.0 NEW SPOT ELEVATION
EXISTING CONTOUR
88 NEW CONTOUR
SWALE

GRADING & DRAINAGE PLAN

APRIL 22, 1996 SCALE: 1" = 30'-0" (U.N.O.)

CLAUDIO VIGIL ARCHITECTS

BRUNACINI
OFFICES & SINGER BOULEVARD
OFFICE / WAREHOUSE
5800 OFFICE BOULEVARD
ALBUQUERQUE, NEW MEXICO

REGISTERED PROFESSIONAL ENGINEER THOMAS J. MANN, JR. 4-26-96

SHEET C-1

APR 29 1996

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1305 Tijeras NW Albuquerque, NM 87102-2882
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R# 26 DATE 3-26-02 OP E.S.P.

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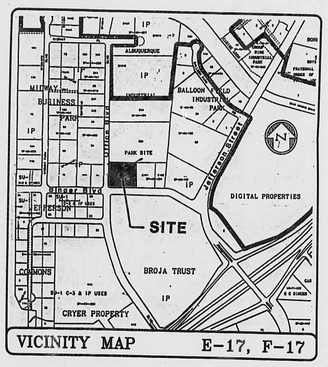
DIRECTOR 11/5/02

NOTARY PUBLIC
OFFICIAL SEAL Roberta Duran NOTARY PUBLIC My Comm. Exp. 07/08/02

D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D



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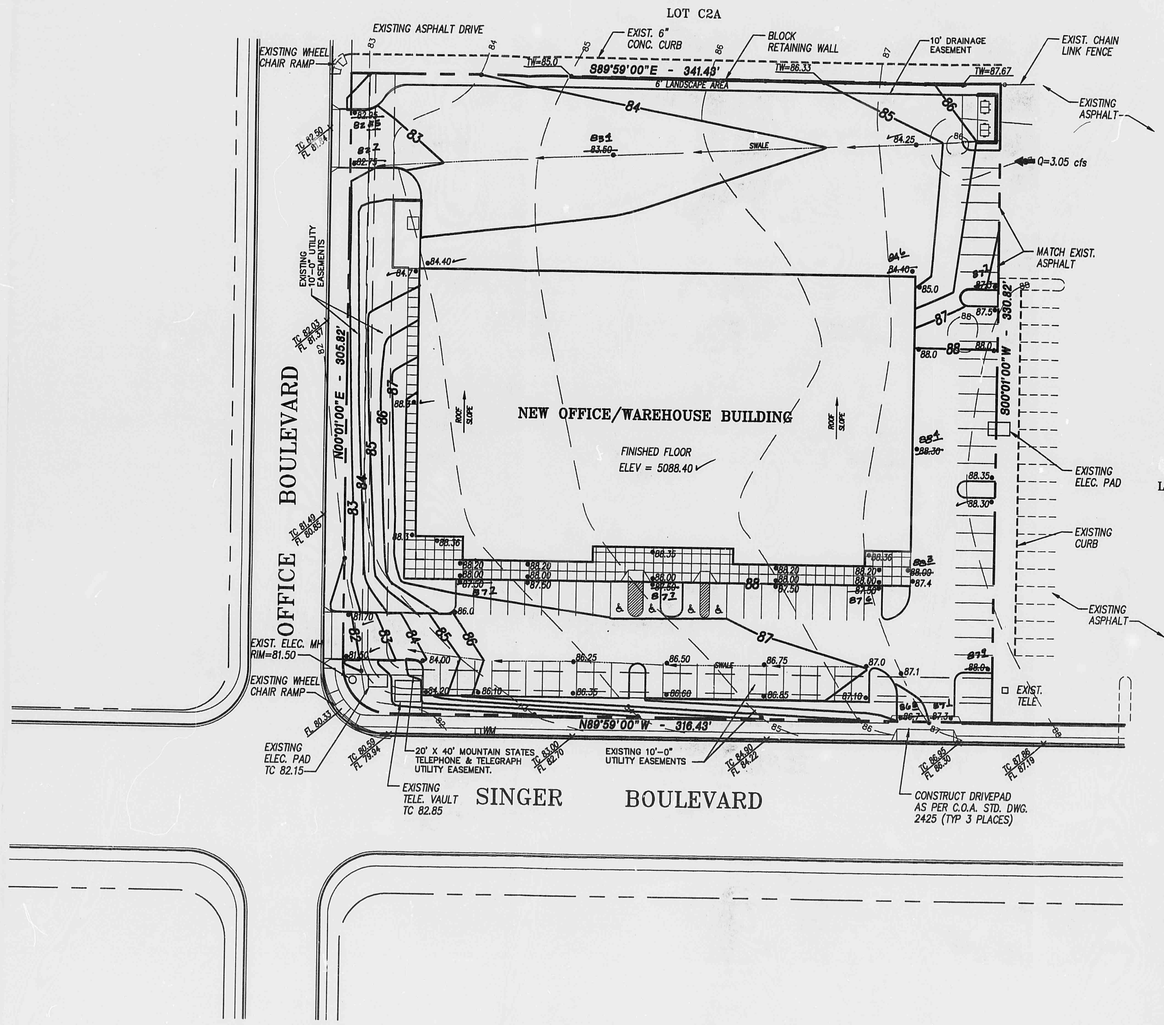

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88.1 / 88.3	REVISED ELEVATION

GRADING & DRAINAGE PLAN

JULY 11, 1996 SCALE: 1" = 30'-0"(U.N.O.)

CERTIFICATION
THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING PLAN.
12/6/96

Engineering & Surveying Associates, Inc.

CLAUDIO VIGIL ARCHITECTS

BRUNACINI
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OFFICE / WAREHOUSE
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ALBUQUERQUE, NEW MEXICO

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STATE OF NEW MEXICO
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PROFESSIONAL LAND SURVEYOR
7-12-96

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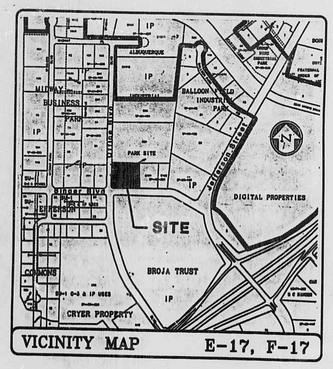

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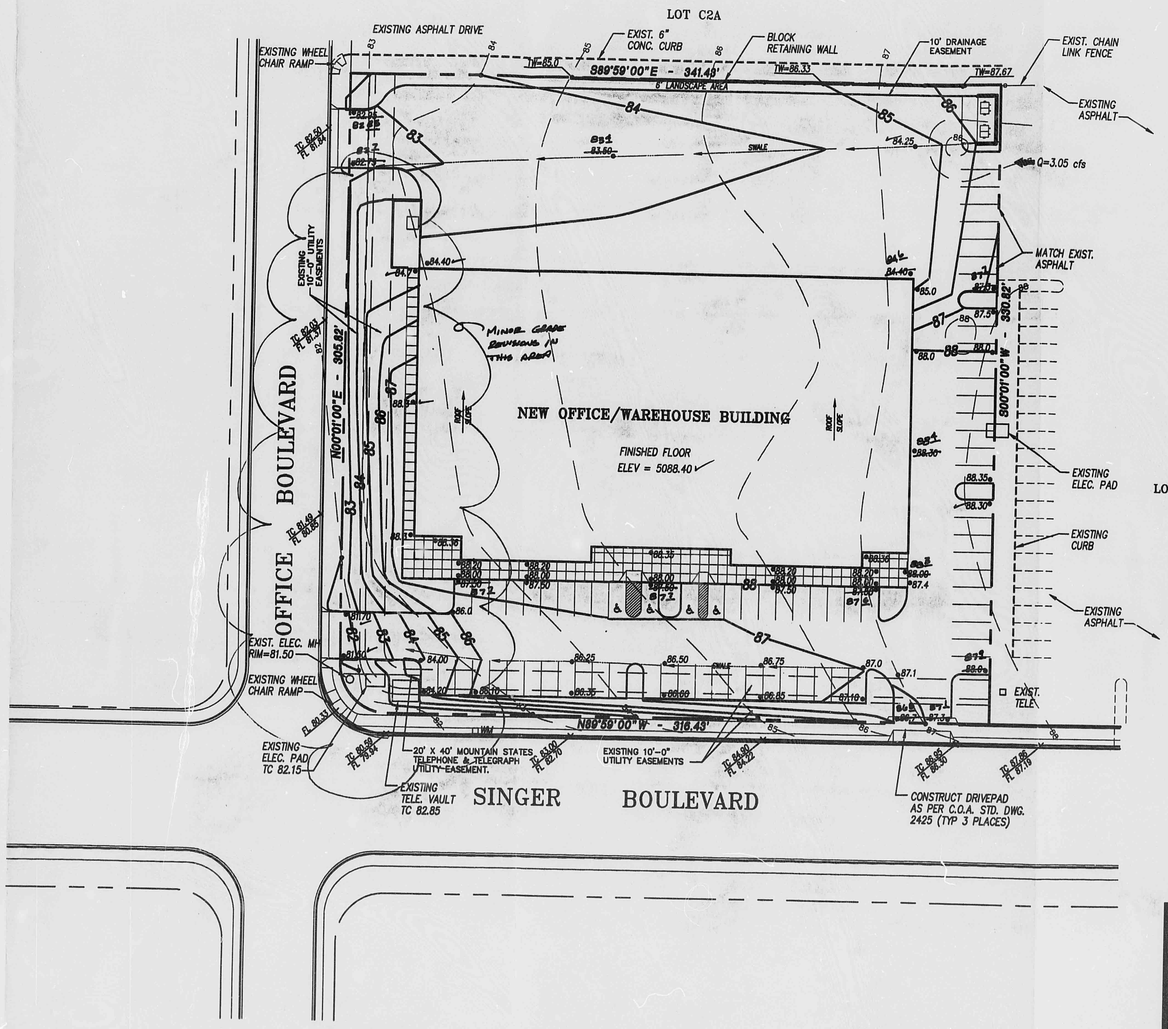

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NORTH

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JULY 11, 1996 SCALE: 1" = 30'-0" (U.N.O.)

CERTIFICATION
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12/9/96
12/10/96

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CLAUDIO VIGIL ARCHITECTS

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D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C