HYDROLOGY

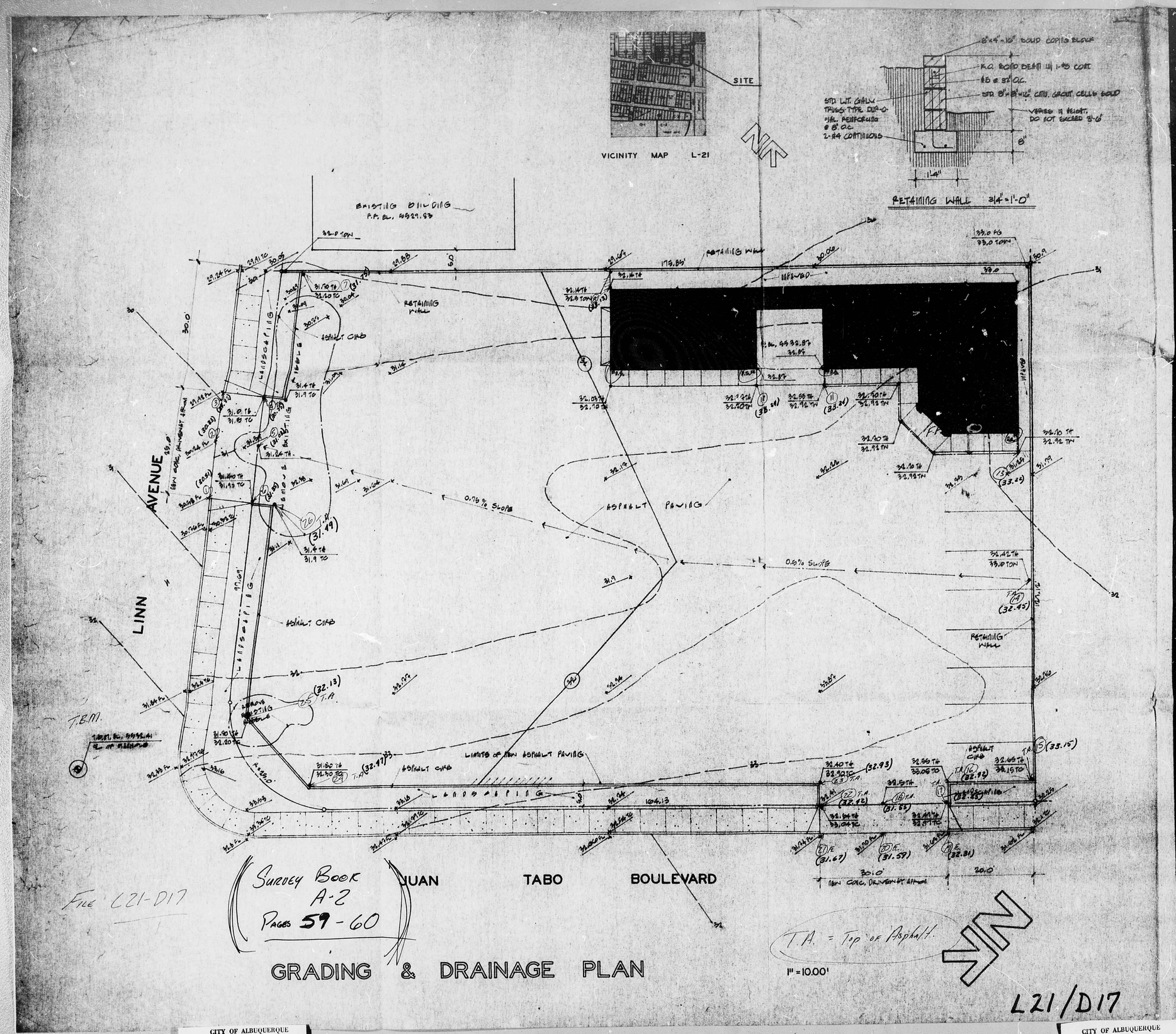
L21/D17

ONE PLAN

1 PLAN FOR

ZUNI RENTAL

L21-D17



Survey Book A-2 Pages 59-60

File L21-D17

STATE OF NEW MEXICO
ken hovey
no. 1055
REGISTERED ARCHITECT

LEGAL DESCRIPTION

Lot 30A (formerly lots 28, 29, 30)
Block 18
East Central Business District Addition
Albuquerque, New Mexico
Zone Map # L-21

SYMBOL LEGEND

	Existing contour
32.4	Existing spot elevation
32	Proposed contour
32.5 TA / 32.0 TG	Proposed spot elevation.
	Swale
TBM	Temporary benchmark
FG	Finished grade
FF	Finished floor
DS	Downspout
FL	Flowline
TC	Top of curb
TA	Top of asphalt
TW	Top of walk
TW	Top of wall

DRAINAGE CALCULATIONS

EXISTING CONDITIONS

Unimproved lot - Total Area = 0.5 acres
SCS Soil Type "B"
C = 0.34
Tc = 10 min.
I = 5.4 in/hr
Q = CIA = 0.34 x 5.4 x 0.5
Q = 0.92 cfs.

DEVELOPED CONDITIONS

Asphalt	18,400	square feet
Building	1,963	square feet
Concrete	664	square feet
Landscape Area	2,100	square feet

C = 0.9	Asphalt
C = 1.0	Building and Concrete
C = 0.4	Landscape Area

Tc = less than 10 min. use 10 min.

Q_p = 0.9 x 5.4 x 18,400/43,560 = 2.0 cfs
Q_B = 1.0 x 5.4 x 2,627/43,560 = 0.3 cfs
Q_{LS} = 0.4 x 5.4 x 2,100/43,560 = 0.1 cfs

TOTAL Q to Linn Avenue NE. = 2.4 cfs

APPROVED FOR DRAINAGE
5/21/84
DATE
Billy J. Goolsby
SIGNATURE TITLE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

GRADING AND DRAINAGE PLAN

NEW FACILITY FOR ZUNI RENTAL
201 JUAN TABO BOULEVARD
ALBUQUERQUE, NEW MEXICO

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