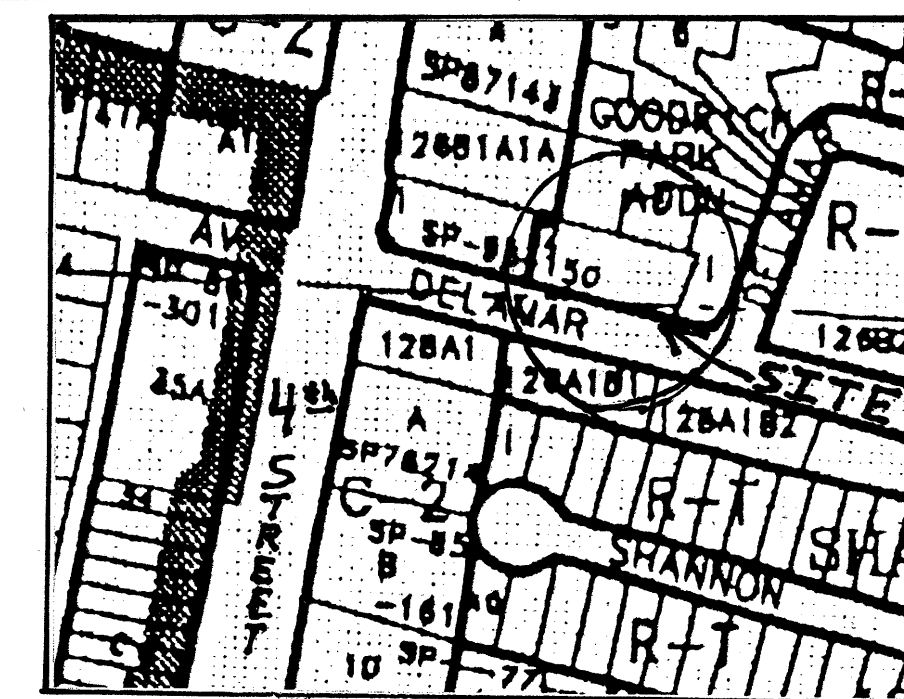
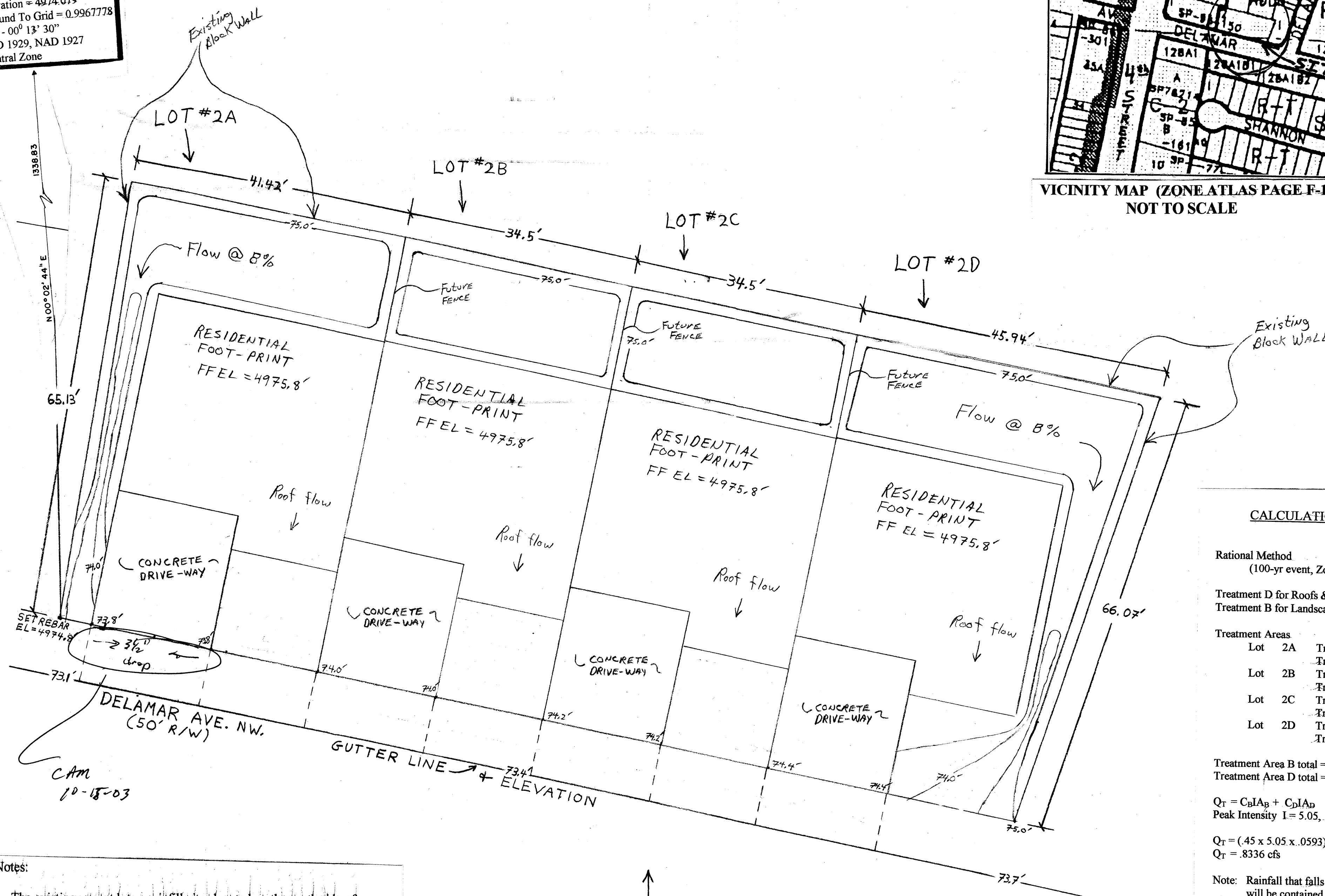


A.C.S. Monument "14-F-14"
 X = 383,162.85
 Y = 1,505,911.96
 Elevation = 4974.079
 Ground To Grid = 0.9967778
 Δ = 00° 13' 30"
 SLD 1929, NAD 1927
 Central Zone



VICINITY MAP (ZONE ATLAS PAGE F-14-Z)
 NOT TO SCALE



CALCULATIONS

Rational Method $Q = CIA$
 (100-yr event, Zone 2)

Treatment D for Roofs & Driveways
 Treatment B for Landscape/Lawns

Treatment Areas	
Lot 2A	Treatment D = .0372 ac. Treatment B = .0230 ac.
Lot 2B	Treatment D = .0372 ac. Treatment B = .0055 ac.
Lot 2C	Treatment D = .0372 ac. Treatment B = .0055 ac.
Lot 2D	Treatment D = .0372 ac. Treatment B = .0258 ac.

Treatment Area B total = .0593 ac.
 Treatment Area D total = .1488 ac.

$Q_T = C_B I A_B + C_D I A_D$
 Peak Intensity $I = 5.05$, Coefficient $C_D = .93$
 Coefficient $C_B = .45$
 $Q_T = (.45 \times 5.05 \times .0593) + (.93 \times 5.05 \times .1488)$
 $Q_T = .8336 \text{ cfs}$

Note: Rainfall that falls in the back yards of Lots 2B & 2C will be contained with the existing block wall and building pad.

Notes:

- The existing vacant lots are infill sites located on the north side of Delamar Av. N.W. one parcel east of the 4th Street Delamar Av. Intersection.
- The Rational Method was used to estimate the Peak Discharge from this property when fully developed.
- The lots are located in Zone 2 as shown on Figure A-1 of Chapter 22, Section 22.2 Hydrology of the Development Process Manual.
- The lots are not located in a flood zone as shown on City of Albuquerque FEMA map panel #35001C0119D.
- There exists a 6' high block wall the entire length of the north, east and west property lines. This will prevent runoff from entering the property.

SITE PLAN

1" = 10'

Legal Description
 Lands of Sandra Elena Garcia,
 Lots 2A, 2B, 2C, 2D
 Bernalillo County
 Albuquerque, New Mexico

I hereby certify that the information presented on the exhibit is correct to the best of my knowledge.

Robert J. Garcia
 Robert J. Garcia P.E.
 NM Registration No. 10870

Grading And Drainage Plan

SCALE: 1" = 10' APPROVED BY: *Robert J. Garcia* DRAWN BY: *RTG*
 DATE: 5/10/2003 REVISED: 6/3/2003

Lands of Sandra Elena Garcia

DRAWING NUMBER
 1 of 1