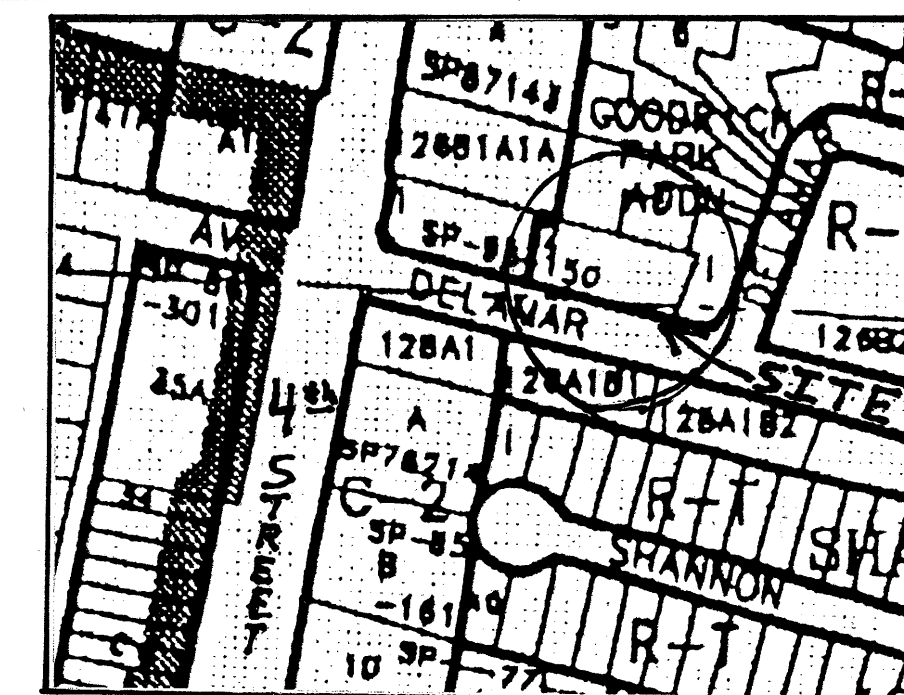
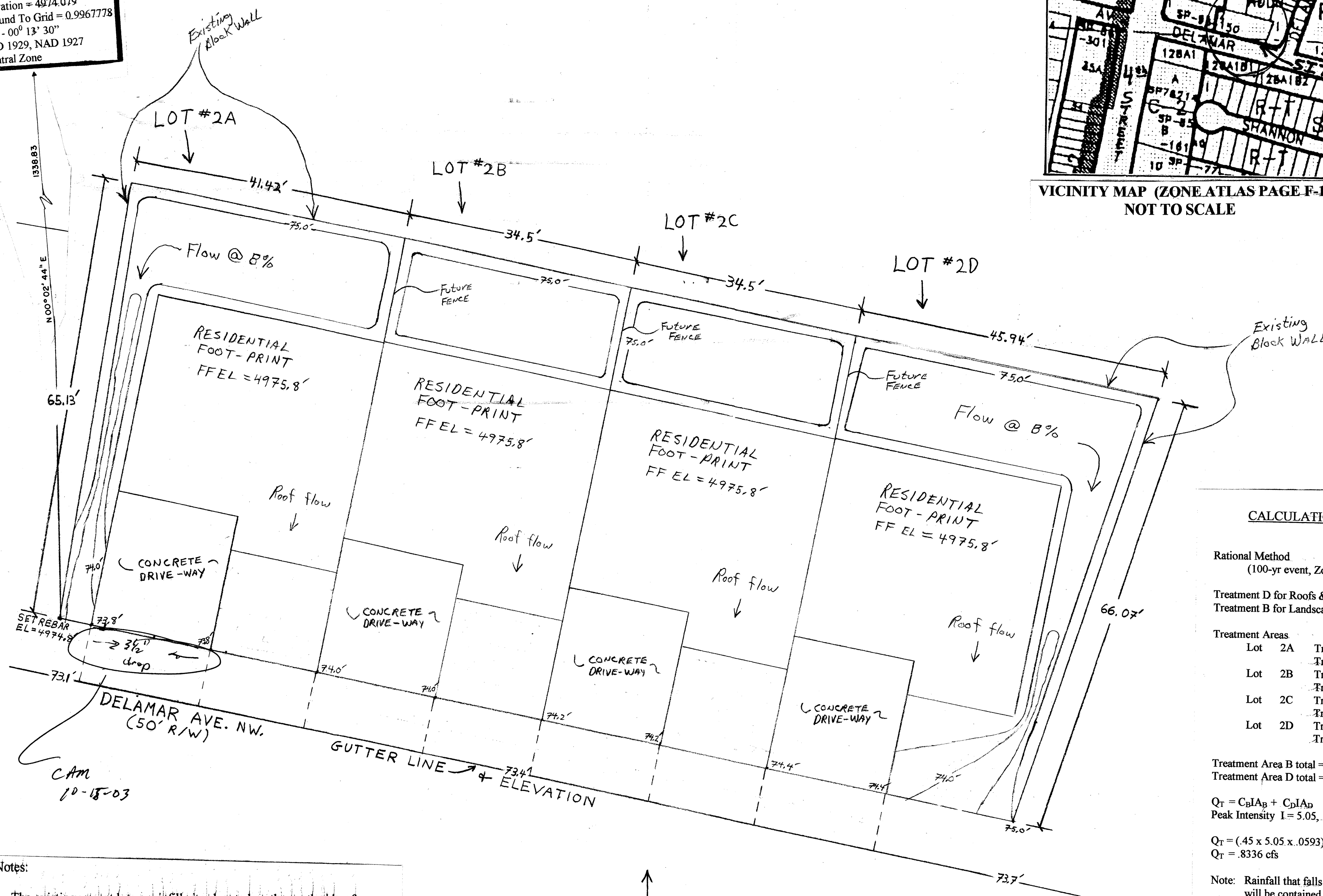


A.C.S. Monument "14-F-14"  
 X = 383,162.85  
 Y = 1,505,911.96  
 Elevation = 4974.079  
 Ground To Grid = 0.9967778  
 Δ = 00° 13' 30"  
 SLD 1929, NAD 1927  
 Central Zone



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.

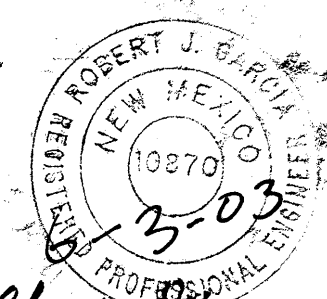
Treatment Area B total = .0593 ac.  
 Treatment Area D total = .1488 ac.

$Q_T = C_B I A_B + C_D I A_D$   
 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 4<sup>th</sup> 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.



Robert J. Garcia  
 NM  
 PE#  
 10870

## 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  
 DATE: 5/10/2003 DRAWN BY: RJG  
 REVISED: 6/3/2003

Lands of Sandra Elena Garcia

DRAWING NUMBER  
 1 of 1