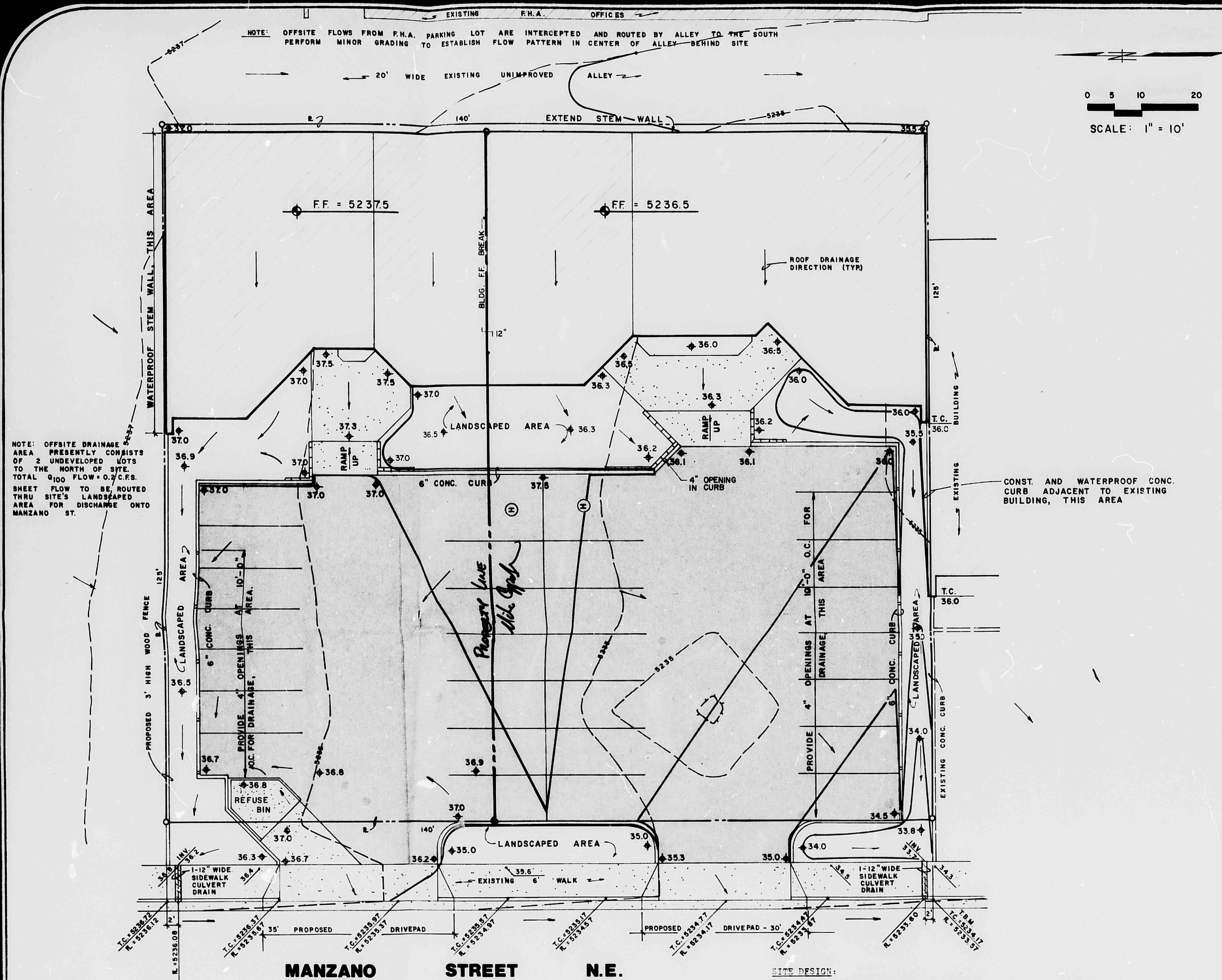
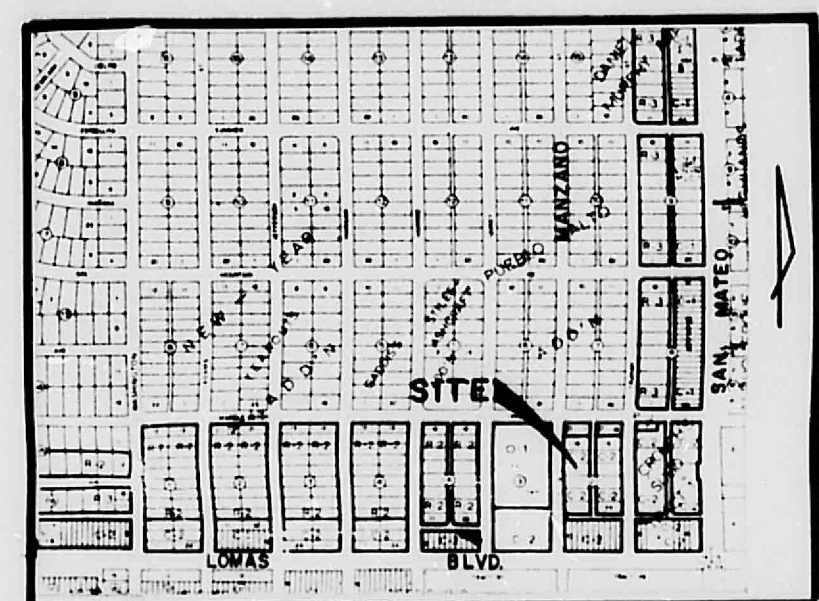
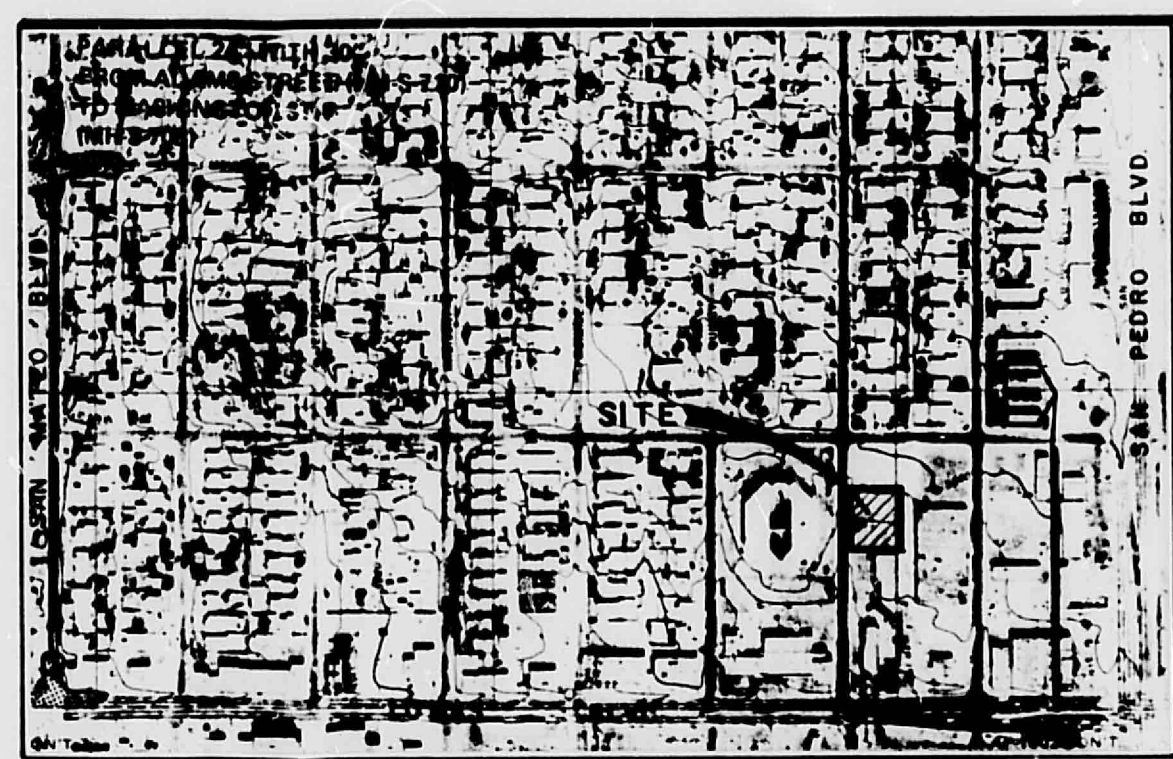




LEGEND	
12.7	EXISTING SPOT ELEVATION
12	EXISTING CONTOUR
12.7	PROPOSED SPOT ELEVATION
12	PROPOSED FINISHED CONTOUR
→	SURFACE FLOW DIRECTION
[Pattern]	PROPOSED ASPHALT PAVEMENT
[Pattern]	CONCRETE



VICINITY MAP J-17



FLOOD HAZARD MAP

- NOTES:
- Legal: Lots 14, 15, and the south 20' of lot 16, Pueblo Alto Addition, Albuquerque, New Mexico.
 - Survey: Walker Survey Company - 12/52.
 - Bench Mark: City B.M. 4-117. Located at the intersection of Lomas and San Mateo, W.N.M. Return Elevation is 5236.15.
 - T.B.M. - South lot line projection, T.C. Elevation is 5234.17
 - Site is not located in a flood hazard area.
 - Soil Classification: S.C.S. Map 471. Soil type St/Soil Hydrologic Group "B".
 - All T.C.'s within site are 0'-6" higher than respective spot asphalt grades shown.
 - Construct drainage sidewalk culverts in accordance with City Standard Detail Drawing K-16
 - Special Order 10 documents submitted to City Design.
 - Alley design by City Engineer to be requested by developer.

SITE DESIGN:

Per pre design meeting w/ Fred Arquirre, City Hydrology Dept. the following design criteria was established.

- Route the site's runoff thru the landscaping areas and pond the 1 year storm.
- Provide City approved alley grades with drainage plan, if available. If alley grades have not been previously designed, owner of the site to request that City provide for design of alley.
- Because the site is to be divided into two parts for different ownership of the proposed building, drainage across the proposed property lines will require a private drainage easement agreement between the respective parties.

COMPUTATIONS:

- Flow thru the North Walk Outlet
 - Onsite Q_{100} is 0.8 c.f.s. (Eq. $Q_{100} = (0.7)(2.15)(2.5)(0.20)$)
 - Offsite Q_{100} is 0.2 c.f.s. (Eq. $Q_{100} = (0.34)(2.15)(2.5)(0.23)$)
 Total 1.0 c.f.s. to be released at N.W. Corner.
 Capacity of sidewalk culvert 12" wide by 6" deep is 2.3 c.f.s. > 1.0 c.f.s. being released.
- Flow thru the South Walk Outlet
 - Onsite Q_{100} is 0.8 c.f.s. (Eq. $Q_{100} = (0.7)(2.15)(2.5)(0.20)$)
 Capacity of sidewalk culvert 12" wide by 6" deep is 2.3 c.f.s. > 0.8 c.f.s. being released.

CONSULTING ENGINEER
 ALBUQUERQUE OFFICE - 1000 B. ALVARADO N.E.
 ALBUQUERQUE, N.M. 87102
 266-1444
 SANDIA PARK OFFICE
 SANDIA PARK, N.M. 87047
 261-1931

DATE: 1-83
 DRAWN BY: C.W.
 CHECKED BY: C.W.

GRADING/DRAINAGE PLAN FOR
 630 MANZANO N.E.

SHEET 1 OF 1

D
24

C
20

B
16

A
12

CITY OF ALBUQUERQUE

C

D