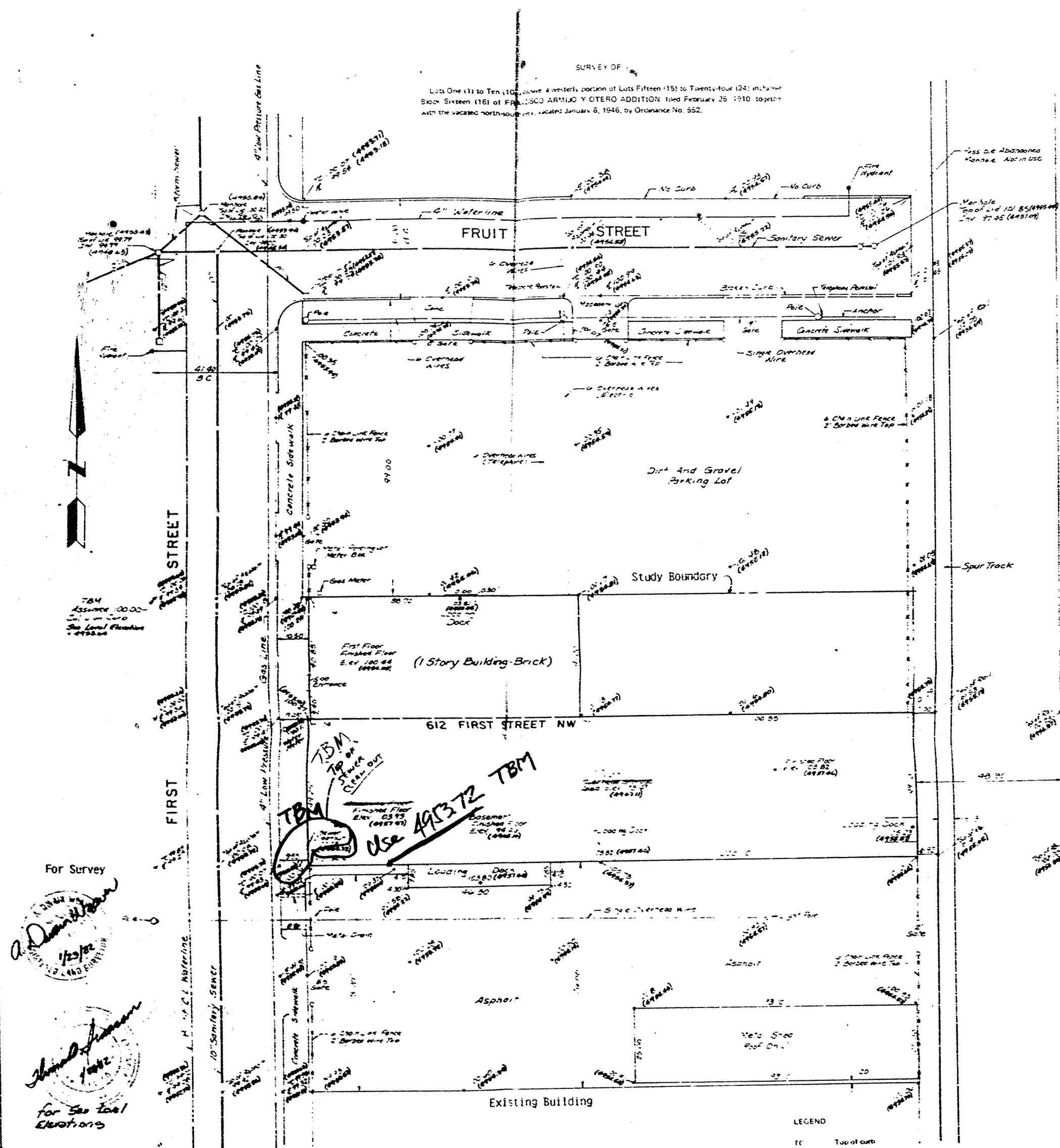


J14/D16



EXISTING CONDITIONS

1"=20'

LEGEND

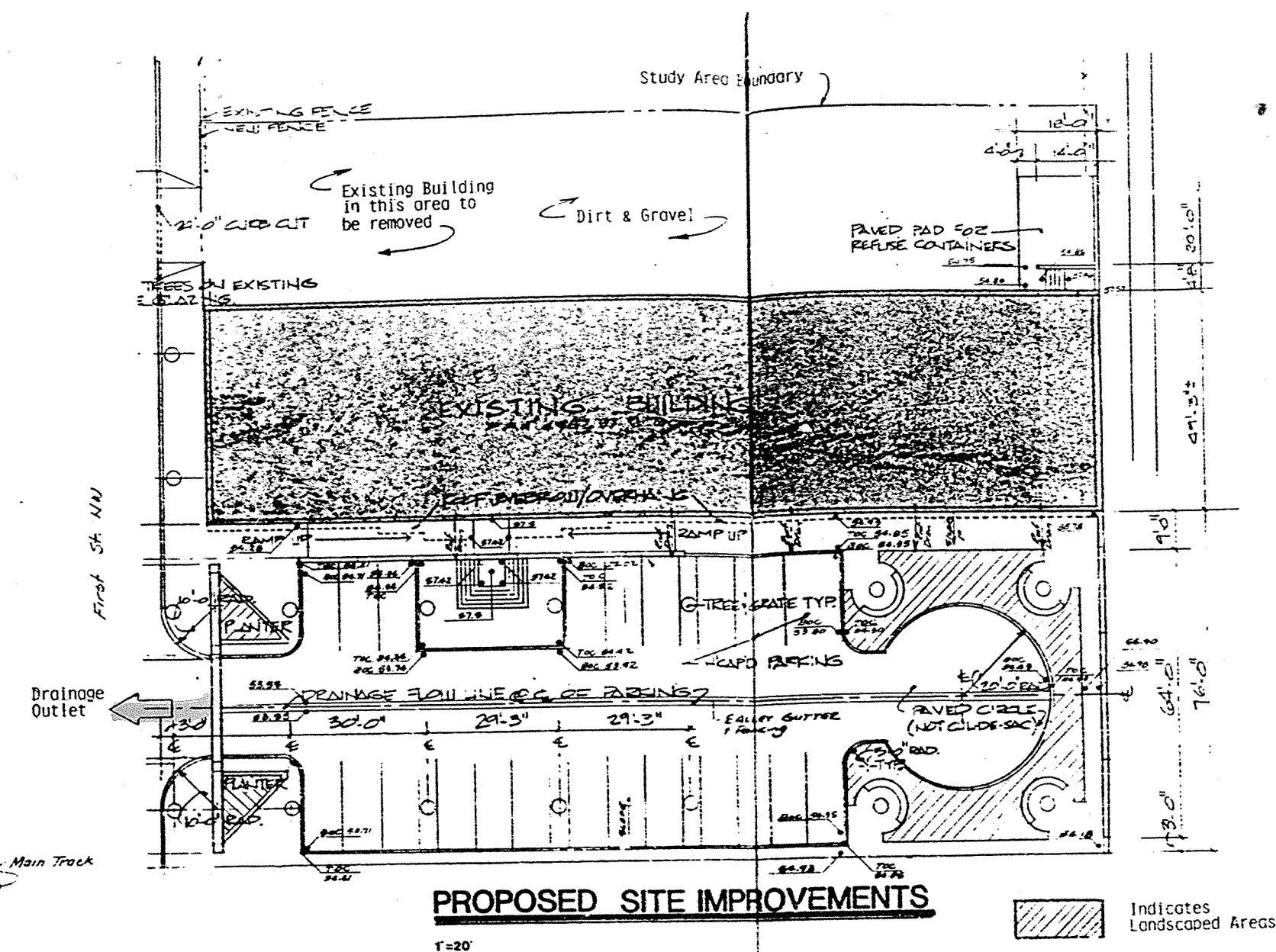
- TC Top of curb
- FL Pavement
- EL 114.20 Spot Elevation
- MS Manhole
- CC Back of Curb



STUDY AREA RUNOFF ESTIMATES (100 Year)

- A. Impermeable Areas (28,894 sq. ft.)
Peak (28,894 ÷ 43,560) x 0.90 x 4.82 = 2.4 cfs
Volume 28,894 x 0.90 x (2.2 ÷ 12) = 478 cubic feet
- B. Permeable Areas (4502 sq. ft.)
Peak (4502 ÷ 43,560) x 0.35 x 4.82 = 0.4 cfs
Volume 4502 x 0.35 x (2.2 ÷ 12) = 280 cubic feet
- C. Total Area (33,396 sq. ft.)
Peak = 2.4 + 0.4 = 2.8 cfs, Volume = 478 + 280 = 567 cubic feet

DRAINAGE PLAN



PROPOSED SITE IMPROVEMENTS

1"=20'

Indicates Landscaped Areas

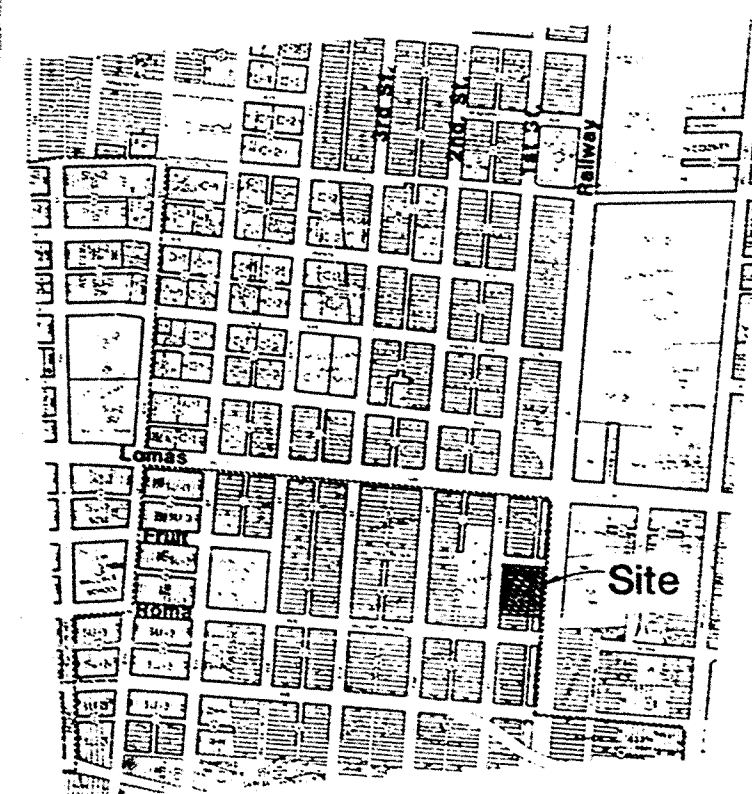
STUDY AREA RUNOFF ESTIMATES (100 Year)

- A. Impermeable Areas (24,149 sq. ft.)
Peak (24,149 ÷ 43,560) x 0.90 x 4.82 = 2.4 cfs
Volume 24,149 x 0.90 x (2.2 ÷ 12) = 3985 cubic feet
- B. Permeable Areas (9247 sq. ft.)
Peak (9247 ÷ 43,560) x 0.35 x 4.82 = 0.4 cfs
Volume 9247 x 0.35 x (2.2 ÷ 12) = 593 cubic feet
- C. Total (33,396 sq. ft.)
Peak = 2.4 + 0.4 = 2.8 cfs
Volume 3985 + 593 = 4578 cubic feet

NOTES:

- City BM: BM No 1224-R, USC&S B.C. in top of concrete base of traffic warning device, on Mountain Road at crossing with AT&SF Railway mainline. Elev. = 4958.56
- Offsite drainage areas pond and do not enter site.

RECEIVED
JAN 29 1982
ENGINEERING



VICINITY MAP

Scale 1"=600'

J-14

For Drainage Report



Van H. Gilbert Architect

612 FIRST STREET RENOVATION
ALBUQUERQUE NEW MEXICO

CITY OF ALBUQUERQUE