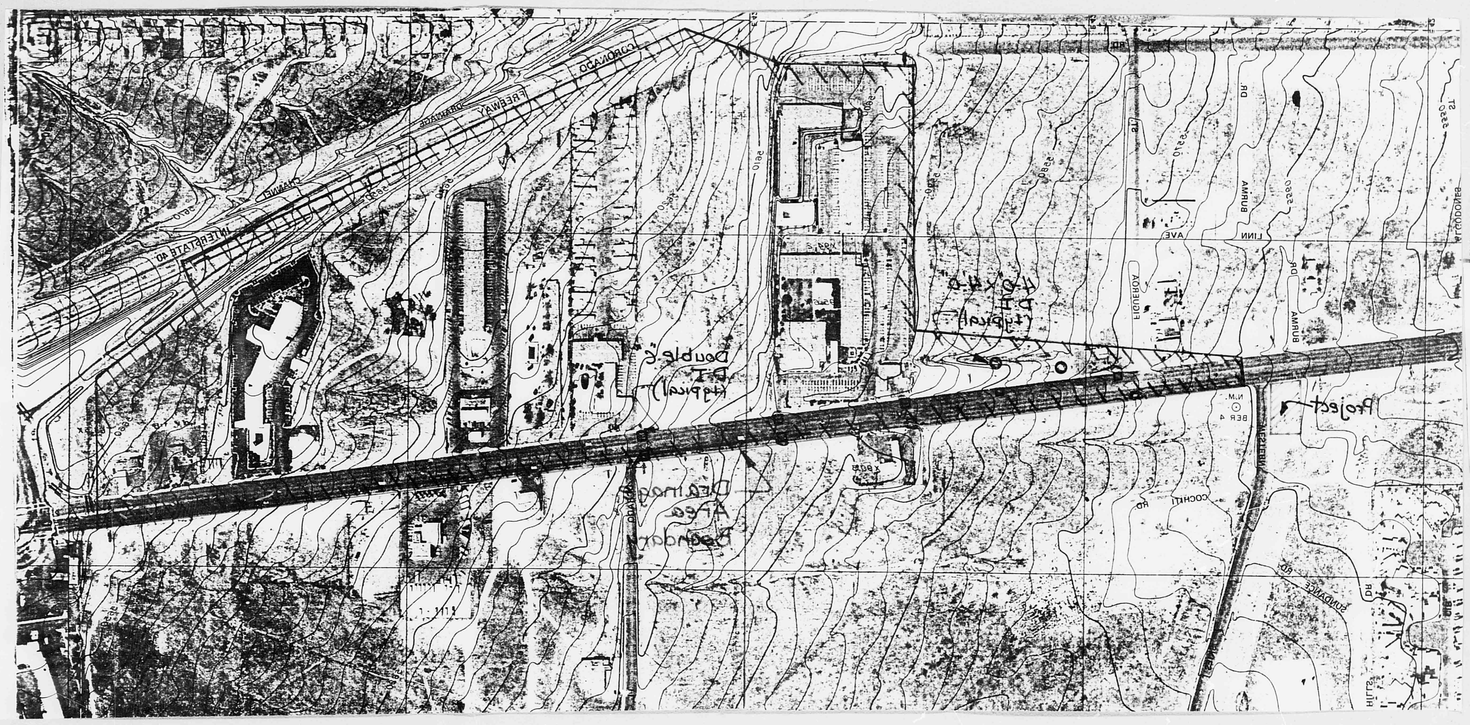
HYDROLOGY

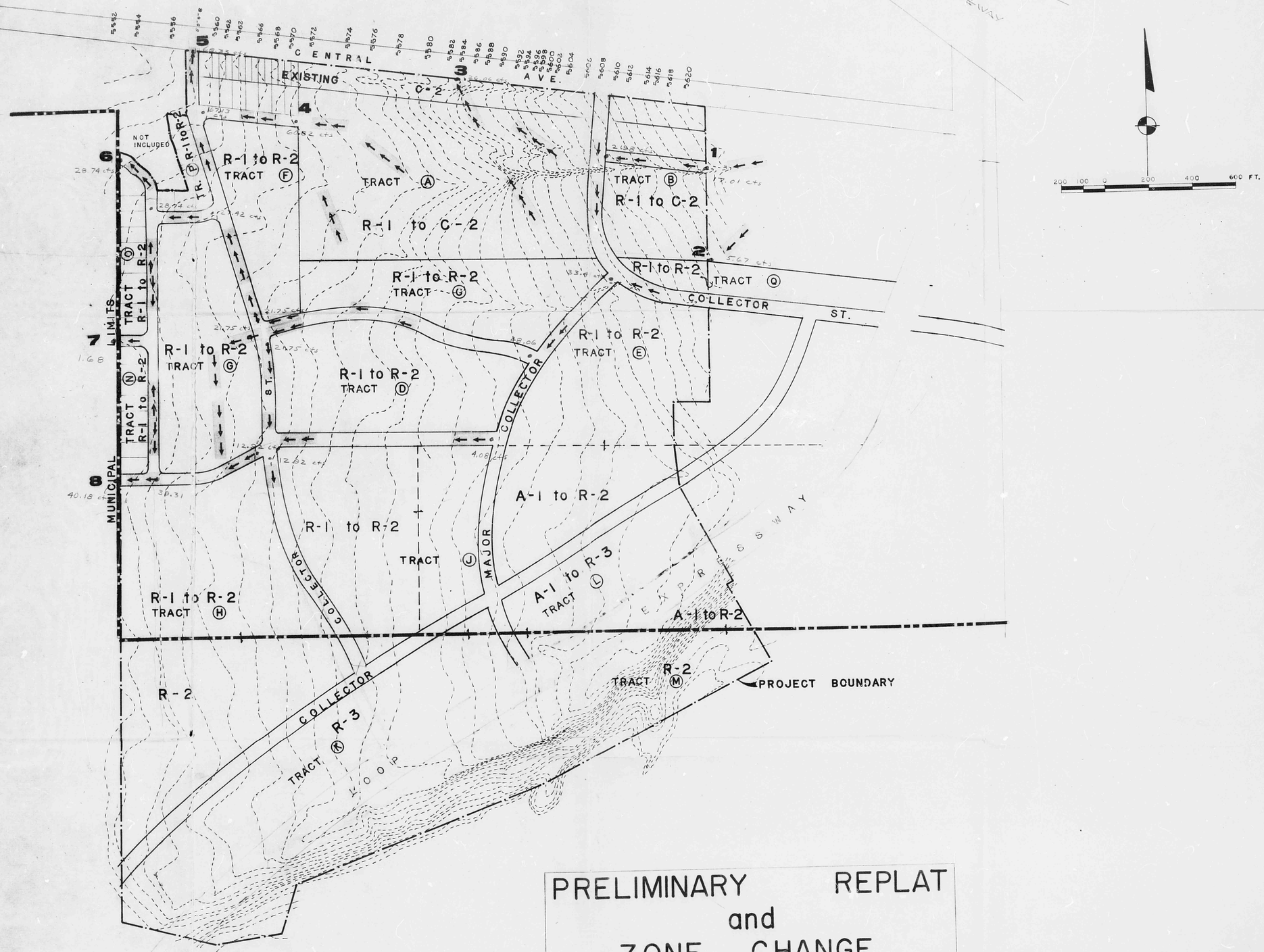
L22/D3
THREE PLANS

3 Plans

L99/D3



ORIGINAL DOCUMENT
TRANSCRIPTION
CITY OF TRANSCRIPTION
THE MICROFILMED IS THE BEST
THE MICROFILMED IS THE BEST
AVAILABLE FROM THE ORIGINAL
TO ATTAINING 100% OF THE
ORIGINAL DOCUMENT



PRELIMINARY REPLAT
and
ZONE CHANGE

MASTER PLAN for CAÑADA VILLAGE

Legend:

- sanitary sewer & line flow
- telephone or power line (T) manhole
- water line
- gas line
- set rebar
- found iron pipe
- set + of S.W.
- TP top pavement
- FG finish grade
- TW top walk
- TC top curb
- TD top dock
- existing contour
- design contour 58
- swale

① Natural Site
gross area = 14,322 s.f.

② Developed Site
area @ C = 0.90 = 11,987 s.f.
area @ C = 0.40 = 2,335 s.f.
composite C = 0.82

③ Pond Volume Required
V = (0.82 - 0.40) 14,322 (2.4/12)
= 1203 cu.ft.

④ On-site Ponding
a. self-ponding planting areas
volume captured =
= 288 (0.40) 2.4/12 = 23 cu.ft.

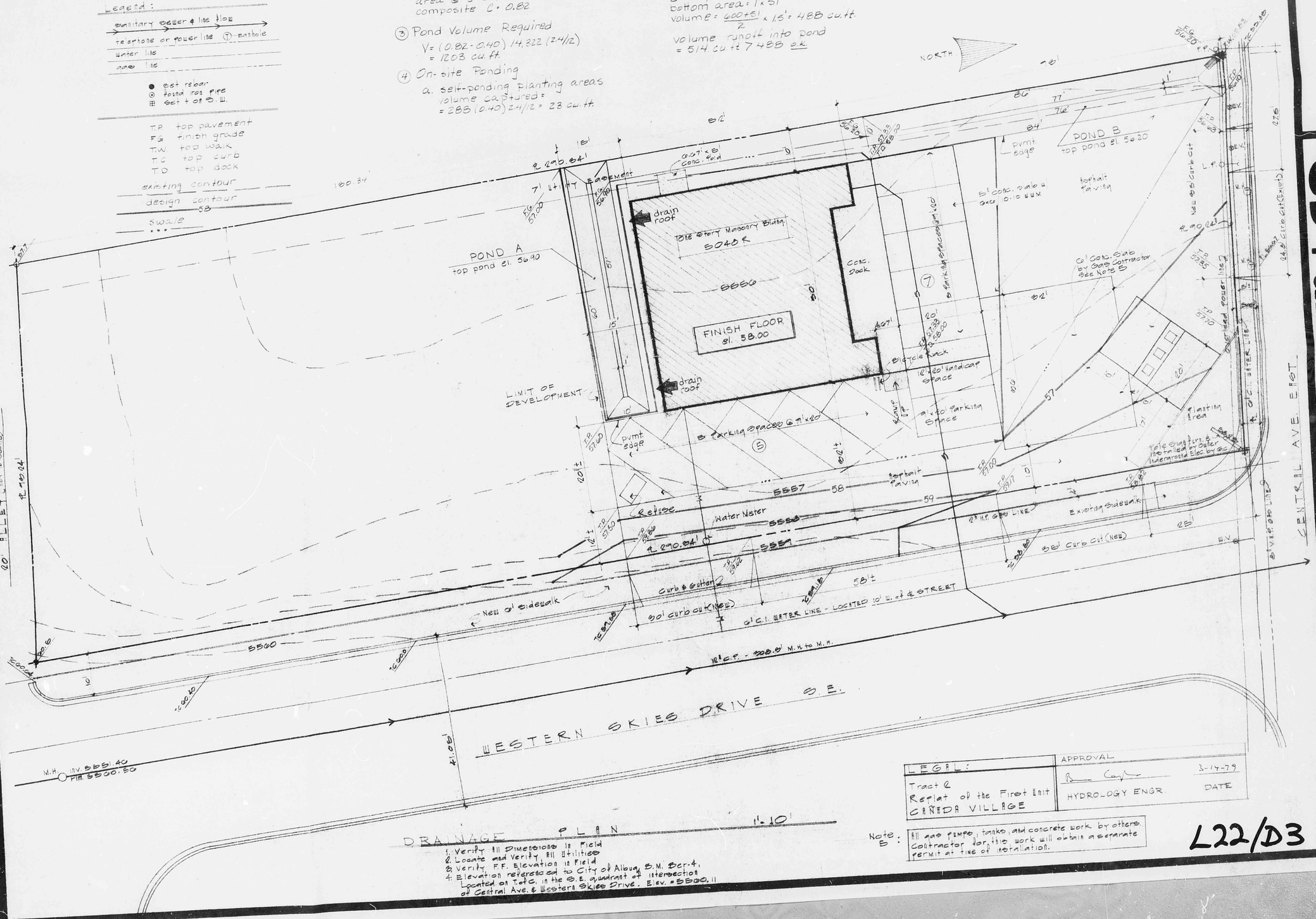
b. retention ponds
net volume required
= 1203 - 23 = 1180 cu.ft

Pond A
top area = 10' x 60'
d = 1.5', side slope = 3:1
bottom area = 1' x 51'
volume = $\frac{600+51}{2}$ x 1.5' = 488 cu.ft.

volume runoff into pond
= 514 cu.ft > 488 o.k.

Pond B
top area = 10' x 85'
d = 1.5', side slope = 3:1
bottom area = 1' x 76'
volume = $\frac{850+76}{2}$ x 1.5' = 695 cu.ft.

total volume = 1183 > 1180 o.k.



DRAINAGE PLAN 1" = 10'

1. Verify all Dimensions in Field
2. Locate and Verify all Utilities
3. Verify F.F. Elevation in Field
4. Elevation referenced to City of Albuq. B.M. Bcr-4, Located on T.o.C. in the S.E. quadrant of intersection of Central Ave. & Western Skies Drive. Elev. = 5500.11

LEGAL:	APPROVAL
Tract C Replat of the First Unit CAÑADA VILLAGE	HYDROLOGY ENGR. — DATE 3-14-79

Note 5: All gas pumps, tanks, and concrete work by others. Contractor for this work will obtain a separate permit at time of installation.

L22/D3

7-ELEVEN

A DIVISION OF THE SOUTHLAND CORPORATION
2828 N. HASKELL
DALLAS TEXAS

JOB NO. 1072-C1842
LOCATION
CITY Albuquerque
DATE 2-14-79

PAGE A1 OF 77G