

DRAINAGE PLAN

LOT 21A NICHOLS & BOWDEN ADDITION ALBUQUERQUE, NEW MEXICO

ZONE MAP J-14 FLOOD PANEL 28
SOIL TYPE "B" BENCHMARK "17-J14" ELEV.=4954.83
FILE N° J14/ APPROVED _____

SITE
BENCHMARK
"17-J14"



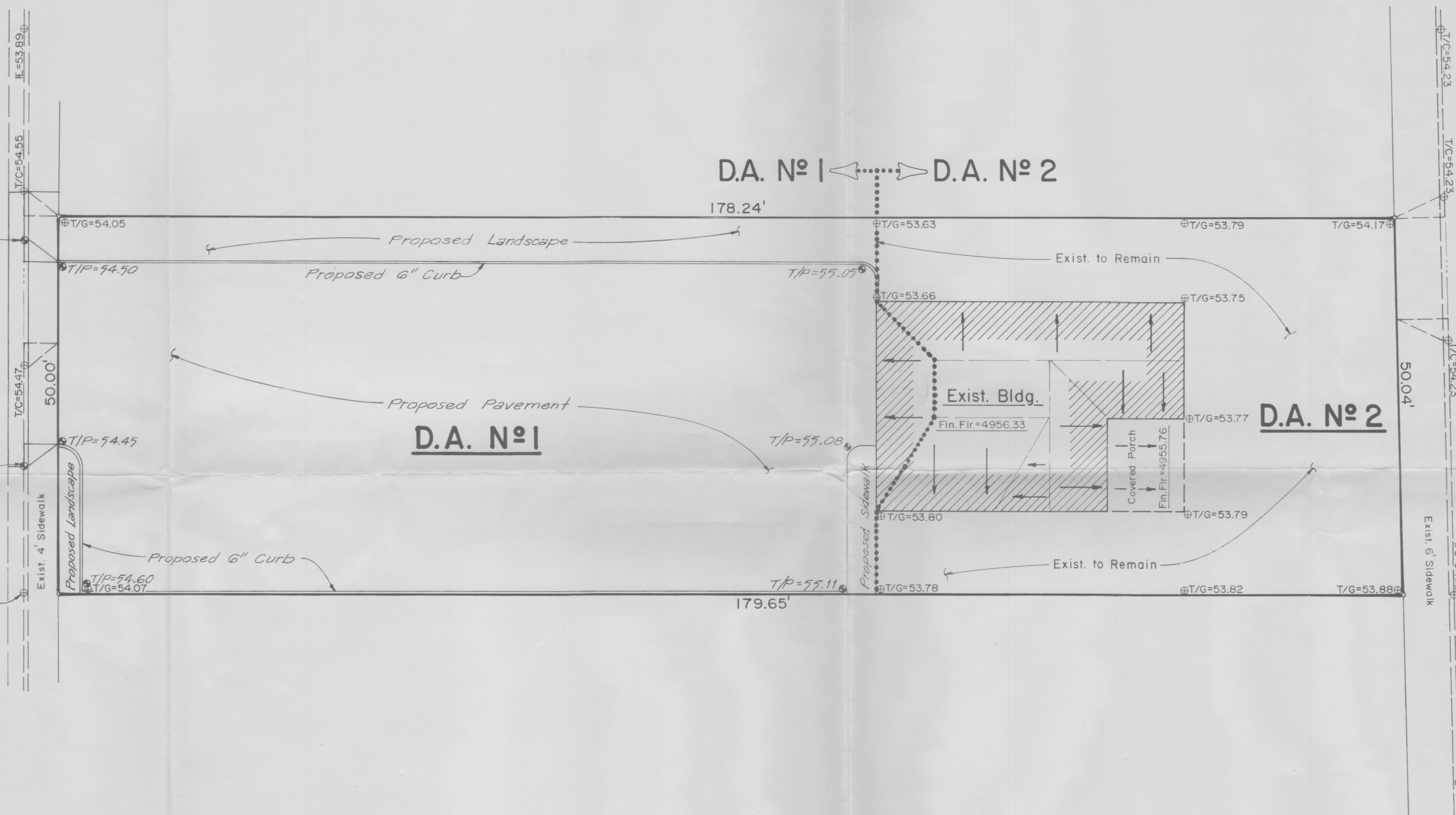
VICINITY MAP

Zone Map J-14-Z Scale: 1"=500'

Scale: 1"=10'

KELEHER ST. N.W.

TBM
Fluorescent Orange
Spot on Top of Curb
Elev.=4954.42



8th ST. N.W.

HYDROLOGY

100 Yr. - G hr. = 2.2 In. $I = 2.2 \times 2.3 = 5.06$ In./hr.

Existing

Area = 8947 S.F. = 0.205 Ac.

Roof = 596 x 0.90 = 536

Undeveloped = $\frac{8351}{8947} \times 0.40 = \frac{3340}{3876}$

$C = 3876 / 8947 = 0.43$

$Q = 0.43 \times 5.06 \times 0.205 = 0.446$ CFS

CN = 76 Direct Run-off = 0.50 In.

$V = 0.50 / 12 \times 8947 = 373$ CF

The Existing Drainage stays on the Lot because the Top of Curb and Sidewalks are Slightly Higher than the Lot.

Proposed

D.A. N°1

Area = 5475 SF = 0.126 Ac.

Roof = 133 x 0.90 = 120

Pavement = 4758 x 0.95 = 4520

Landscape = $\frac{584}{5475} \times 0.25 = \frac{146}{4786}$

$C = 4786 / 5475 = 0.87$

$Q = 0.87 \times 5.06 \times 0.126 = 0.55$ CFS

CN = 92 Direct Run-off = 1.2 In.

$V = 1.2 / 12 \times 5475 = 548$ CF

This Flow is Directed to the Drive Pad and Keleher St. N.W.

D.A. N°2

Existing Not Affected by Proposed Paving.

LEGEND

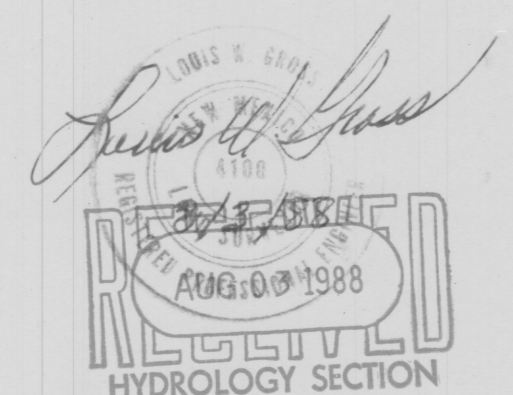
*Property line	— R —
Existing contours	— 4930 —
Proposed contours	— 4925 —
Flow direction	→
Existing spot elevations	⊕
Proposed spot elevations	⊙
Top of ground	T/G
Top of pavement	T/P
Top of concrete	T/Conc.
Top of curb	T/C
Flowline Gutter or swale	R

*A property boundary survey was not performed in the preparation of this plan.

EROSION CONTROL NOTES

The contractor shall be responsible for compliance of the following:

1. No sediment bearing water shall be allowed to discharge from the site during construction.
2. During grading operations and until the project has been completed all adjacent property, rights of way and easements shall be protected from flooding.
3. Any and all sedimentation originating from the site which is deposited within public right of way shall be promptly removed by the contractor.
4. Control of sediment laden waters will be accomplished by use of a compacted earth berm of adequate height. The berm shall be located along the downstream perimeters of the property.



811-A 8th ST. N.W.

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