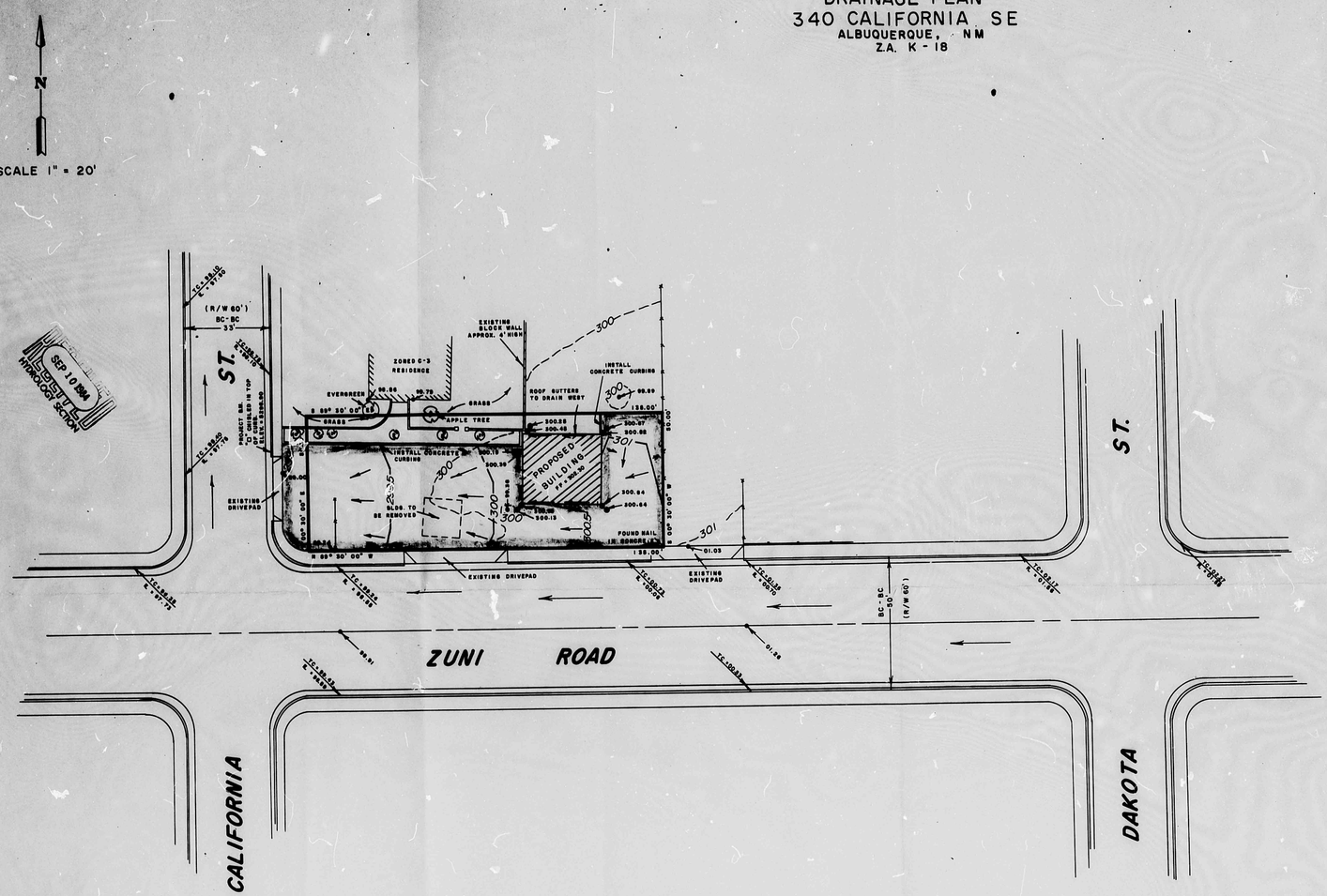
HYDROLOGY K18/D20 1 PLAN

K18/D20

1 Plan

CITY OF [redacted]

DRAINAGE PLAN
340 CALIFORNIA SE
ALBUQUERQUE, NM
Z.A. K-18



LEGAL DESCRIPTION

LOT 14, BLOCK 11 OF THE FAIR-GROUNDS ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO AS FILED IN THE OFFICE OF THE COUNTY CLERK, BERNALILLO COUNTY, NEW MEXICO ON JANUARY 26, 1937 IN BOOK C-1, PAGE 105.

GENERAL NOTES

PROJECT BENCHMARK ELEVATION WAS DETERMINED BASED ON CITY OF ALBUQUERQUE BENCHMARK 6-L-18 (MSL ELEVATION 5327.694) LOCATED AT THE NORTHWEST CORNER OF TRUMBULL AND LOUISIANA BLVD.

DRAINAGE COMMENTS

THE FOLLOWING ITEMS CONCERNING THE SUBJECT PROJECT ARE CONTAINED HEREON:

1. SITE DRAINAGE PLAN (WITH EXISTING TOPOGRAPHIC CONDITIONS)
2. VICINITY MAP
3. LEGAL DESCRIPTION
4. EXISTING GRADES 1.0 FT. CONTOUR INTERVALS
5. THE LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS.

THE SITE IS LOCATED ON THE NORTHEAST CORNER OF THE INTERSECTION OF CALIFORNIA STREET AND ZUNI ROAD WITHIN THE CITY LIMITS OF ALBUQUERQUE, NEW MEXICO. THE PROJECT 1. DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATERCOURSE; AND 2. HAS NO DRAINAGE EASEMENTS ON THE PROPERTY.

THE SITE CURRENTLY DRAINS TO THE NORTHWEST ONTO THE ADJOINING LOT AND INTO CALIFORNIA STREET (WHICH DRAINS NORTHERLY). THE PROPOSED GRADING WILL DIRECT FLOWS WESTERLY INTO CALIFORNIA STREET AND SOUTHWESTERLY INTO ZUNI ROAD.

IN ACCORDANCE WITH THE CONFERENCE NOTES DATED JULY 25, 1984 ISSUED BY THE CITY HYDROLOGY ENGINEER:

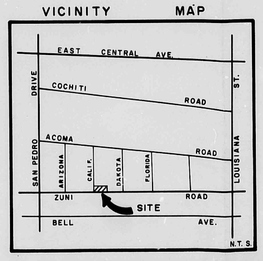
1. FREE DISCHARGE INTO CALIFORNIA STREET AND ZUNI ROAD IS ACCEPTABLE
2. THE SITE IS LOCATED ADJACENT TO A FLOOD HAZARD ZONE IN ZUNI ROAD, AND THEREFORE THE FINISHED FLOOR ELEVATION IS TO BE A MINIMUM OF 2 FEET ABOVE THE ADJOINING GUTTERLINE IN ZUNI ROAD.

CALCULATIONS

AREA = 6,750 SQ. FT. = 0.155 ACRES (USED AS 100% IMPERVIOUS)
SLOPE = 1.4%
$Q_{peak} = CIA$ $T_c = 10$ min. $C = .97$
I = 2.15 (FROM PLATE 22.2 D-2)
V = 1.6 FT/SEC (FROM PLATE 22.2 B-1) (n = .017)
Q_{peak} 100y = .97 x 2.15 x 2.40 x .155 = 0.78 CU. FT./SEC.
Q_{peak} 10y = Q_{peak} 100Y x .657 = 0.51 CU. FT./SEC.

200 EXISTING CONTOUR
200 PROPOSED CONTOUR
TC-98.24 TOP OF CURB ELEVATION
FL-98.72 CURB FLOW LINE ELEVATION
DRAINAGE FLOW
CHAINLINK FENCE
98.24 EXISTING SPOT ELEVATION
EXISTING TREE
BLOCK WALL
200.46 PROPOSED SPOT ELEVATION
LIMITS OF PROPOSED ASPHALT

VICINITY MAP



APPROVED FOR DRAINAGE
9/6/84
DATE
SIGNATURE TITLE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

8-31-84

LYNN ENGINEERING & SURVEYING
Route 3, Box 860
LOS LUNAS, NEW MEXICO 87031
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84071

CITY OF ALBUQUERQUE
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CITY OF ALBUQUERQUE