HYDROLOGY

K19/D73
TWO PLANS

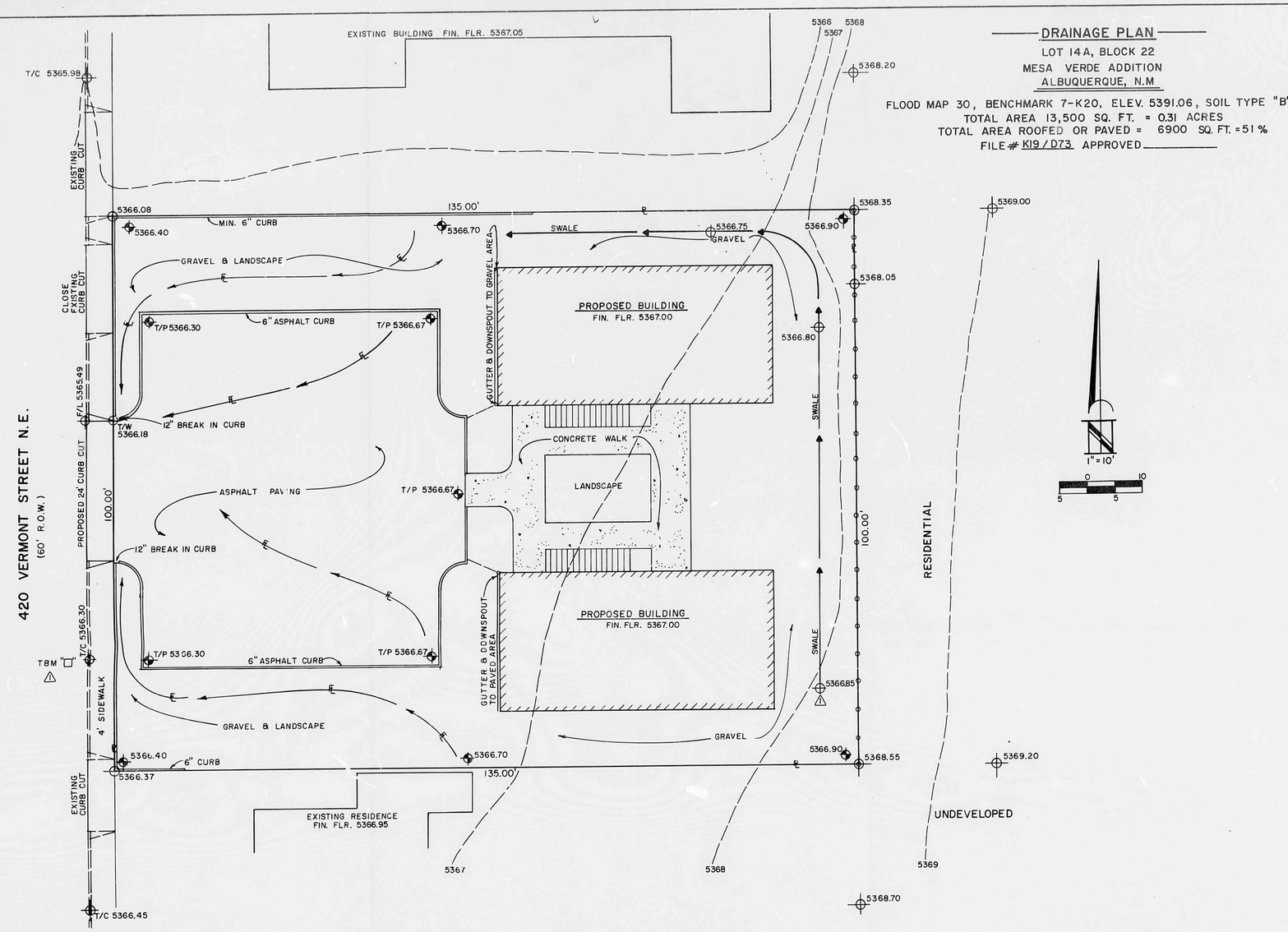
X 19/D 73

2 PLANS

DRAINAGE PLAN

LOT 14A, BLOCK 22
MESA VERDE ADDITION
ALBUQUERQUE, N.M

FLOOD MAP 30, BENCHMARK 7-K20, ELEV. 5391.06, SOIL TYPE "B"
TOTAL AREA 13,500 SQ. FT. = 0.31 ACRES
TOTAL AREA ROOFED OR PAVED = 6900 SQ. FT. = 51 %
FILE # K19/D73 APPROVED _____



HYDROLOGY

OFF-SITE FLOW: MINIMAL, FROM THE RESIDENTIAL AREA TO THE EAST. FENCE LINES AND BERMS BLOCK FLOW IN MOST AREAS. Q=0.50 x 2.15 x 2.37 x 0.25 = 0.65 CFS. △

ON-SITE FLOW: THIS SITE HAS BEEN DEVELOPED RESIDENTIAL FOR SOME 40 YEARS. PROPOSED REHABILITATION WILL INCREASE RUNOFF RATE BY ABOUT 100% OVER PREVIOUS DEVELOPMENT. RUNOFF C = 0.95 x 0.33 = 0.31
0.90 x 0.19 = 0.17
0.25 x 0.48 = 0.12
0.60

Q = 0.60 x 2.15 x 2.37" x 0.31 ACRES = 0.95 C.F.S. FOR PROPOSED DEVELOPMENT. VOLUME OF RUNOFF DUE TO PROPOSED DEVELOPMENT WITH CN = 80 FOR 0.80" = 13,500 S.F. x 0.80"/12 = 900 CU. FT. DUE TO MINIMAL SIZE OF THE PROPOSED DEVELOPMENT ON AN INFILL SITE AND RECENT COMPLETION OF THE "FAIRGROUNDS" STORM DRAIN SYSTEM, FREE DISCHARGE FROM THE SITE IS REQUESTED

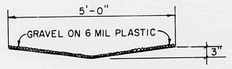
△ HYDRAULICS

SWALE FOR OFF-SITE FLOW: CAPACITY REQUIRED = 0.65 C.F.S. WITH 5' WIDTH & 3" DEPTH, A = 0.63 SQ. FT., S = 0.005, R = 0.125 & Q = 0.63 x 1.486/0.025 x 0.25 x 0.071 = 0.66 C.F.S. – ADEQUATE

EROSION CONTROL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING:

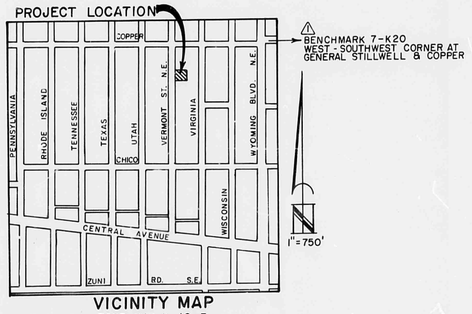
1. NO SEDIMENT – BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-WAY, AND EASEMENTS SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH IS DEPOSITED WITHIN PUBLIC RIGHT-OF-WAY, SHALL BE PROMPTLY AND COMPLETELY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT – LADEN FLOOD WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERM AT LEAST 12" HIGH. BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETERS OF THE PROPERTY.



SWALE DETAIL △
1" = 2'

LEGEND

PROPERTY LINE
EXISTING CONTOUR — 5000
PROPOSED CONTOUR — 5000
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CURB
FLOW DIRECTION
EXISTING CHAIN LINK FENCE



VICINITY MAP
ZONE MAP K-19-Z

RECEIVED
JUL 17 1986
HYDROLOGY SECTION

△ REVISED 7-11-86

LOGAN/GROSS & ASSOCIATES, INC. CONSULTING CIVIL ENGINEERS 925 6TH ST. N.W. SUITE 3 243-5353 ALBUQUERQUE, NEW MEXICO 87102	
DRAINAGE PLAN	FILE # H-94
FOR MIKE MIDANI	DATE 6-86
AT 420 VERMONT STREET N.E.	DRAWN CLB
ALBUQUERQUE, N.M.	SHEET 1 OF 1

DRB NO. 86-358

REPLAT OF

86 49784 LOTS 11, 12, 13 & 14, BLK. 22

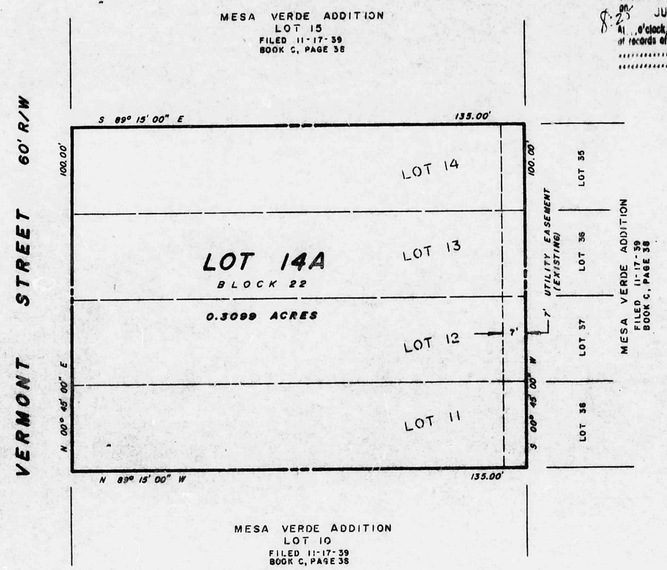
MESA VERDE ADDITION

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

MAY 1985

GRAPHIC SCALE

1" = 20'



State of New Mexico } SS
County of Bernalillo
This instrument was filed for record
on JUN 4 1986 at 8:30 o'clock ..m. Recorded in Vol. ..... of records of said County Folio ..... Clerk & Recorder
..... Deputy Clerk

PURPOSE

The purpose of this plat is to create one lot from the four original lots as shown.

LEGAL DESCRIPTION

A certain tract of land situate within Bernalillo County, New Mexico being further described as Lots 11, 12, 13, and 14 of Block 22 as shown on "Mesa Verde Addition" as filed on November 17, 1939 in Volume C, Folio 38, in the office of the County Clerk, Bernalillo County, New Mexico.

OWNER'S CERTIFICATE

The subdivision shown hereon and the dedication of the easements hereby is with the free consent and in accordance with the desires of the undersigned owner and/or proprietor thereof.

The undersigned owner and/or proprietor does hereby freely consent to all the foregoing and do hereby represent that I am authorized to act.

Morteza Jafari, owner

State of New Mexico)
SS
County of Bernalillo)

The foregoing instrument was acknowledged before me this 30th day of May, 1986 by Morteza Jafari.

My comm. expires oct. 15, 1986 Notary Public

APPROVED AND ACCEPTED BY:

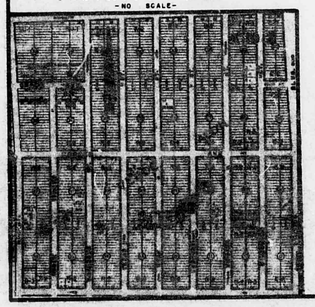
NA A.M.A.F.C.A.	Date
NA Parks and Recreation Department	Date
NA Traffic Engineer	Date
NA City Engineer	Date
NA Property Management	Date
Water Resources Department	Date 5-30-86
Planning Department	Date 6-3-86
City Surveyor	Date 060266

SP-86-198

RECEIVED JUN 25 1986 HYDROLOGY SECTION

VICINITY MAP

-NO SCALE-



SURVEYOR'S CERTIFICATION

I, Dennis D. Lynn, a Registered Land Surveyor, licensed under the Laws of the State of New Mexico, do hereby certify that the plat shown hereon was prepared by me or under my supervision from plats of record (no field work was performed), shows all easements of record, and that the plat and survey meet the minimum requirements of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

Dennis D. Lynn, NMLS #7430 Date 5-22-86

State of New Mexico)
SS
County of Valencia)

The foregoing instrument was acknowledged before me on this 20th day of May, 1986, by Dennis D. Lynn.

My comm expires 8-1-15-1986 Notary Public

NOTES:

1. Zone Atlas K-19
2. Basis of Bearings is the platted West line of lots 11 - 14 block 22 as filed November 17, 1939 in Volume C, Folio 38.
3. Prior to development water and sanitary sewer service to these properties must be verified and coordinated with the City of Albuquerque Water Resources Department via a request for a water and sewer availability statement.

LYNN ENGINEERING & SURVEYING, INC.
22 CHUCKHOLE LANE
LOS LUNAS, NEW MEXICO 87031
(505) 865-3558

J86058

UTILITY LOG NO. 05-21-1799

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT