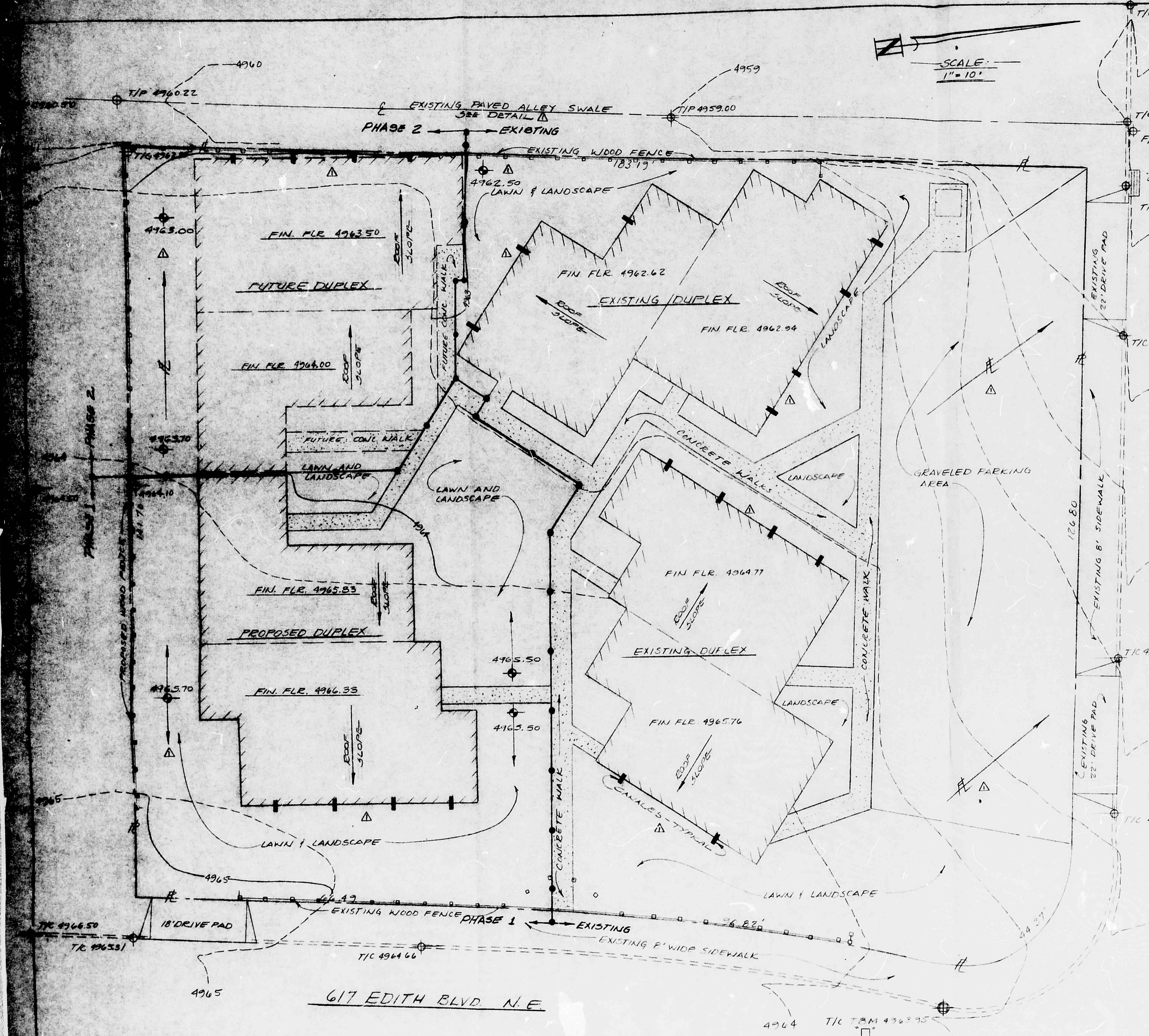


DRAINAGE PLAN

PARCEL 14 MARTINEZTOWN NEIGHBORHOOD DEVELOPMENT PLAN
ALBUQUERQUE, NEW MEXICO
FLOOD MAP 28, BENCHMARK 5-J15, ELEV. 4967.34 SOIL TYPE "A"
TOTAL AREA 26,562 SQ. FT. = 0.61 ACRES
TOTAL AREA ROOFED OR PAVED: 6036 SQ. FT. = 23% - EXISTING
AND 11,072 SQ. FT. = 42% PROPOSED
FILE # J14/DG1 APPROVED

HYDROLOGY

OFF-SITE FLOW: MINIMAL SHEET FLOW FROM LANDSCAPED 0.12 ACRES TO THE SOUTH $C = .25 \times 2.15 \times 2.25 \times .12 = 0.15$ C.F.S.
"V" WITH CN 61 = 0.013' × 5225 S.F. = 68 CU. FT.

ON-SITE FLOW: UNDEVELOPED CONDITION, $C = 0.40$, $I = 4.84$ $Q_{100} = 0.40 \times 4.84 \times 0.61 = 1.18$ C.F.S. "V" WITH CN 80 = 0.06' × 26,562' = 1595 CU. FT.

EXISTING CONDITION
$C = .50 \times .40 = 0.20$
$.17 \times .90 = 0.15$
$.06 \times .95 = 0.06$
$.27 \times .25 = 0.07$
0.48

$Q_{100} = 0.48 \times 4.84 \times 0.61 = 1.42$ C.F.S. = 20% INCREASE
"V" WITH CN 70 = 0.03' × 26562' = 850 CU. FT. = 47% DECREASE

FINAL CONDITION
$C = 0.07 \times .95 = 0.07$
$0.34 \times .90 = 0.31$
$0.45 \times .25 = 0.11$
$0.15 \times .40 = 0.06$
0.55

$Q_{100} = 0.55 \times 4.84 \times 0.61 = 1.62$ C.F.S. = 14% INCREASE
"V" WITH CN 75 = 0.04 × 26,562 = 1062 CU. FT. = 33% DECREASE

RECOMMENDATION: DUE TO MINIMAL SIZE OF DEVELOPMENT ON INFILL SITE, ACTUAL DECREASE OF RUN OFF VOLUME BECAUSE OF LANDSCAPING, AND ADEQUATE EXISTING STORM DRAIN FACILITIES, PERMISSION TO FREE DISCHARGE THROUGH EXISTING PAVED ALLEY IS REQUESTED.

EROSION CONTROL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING:

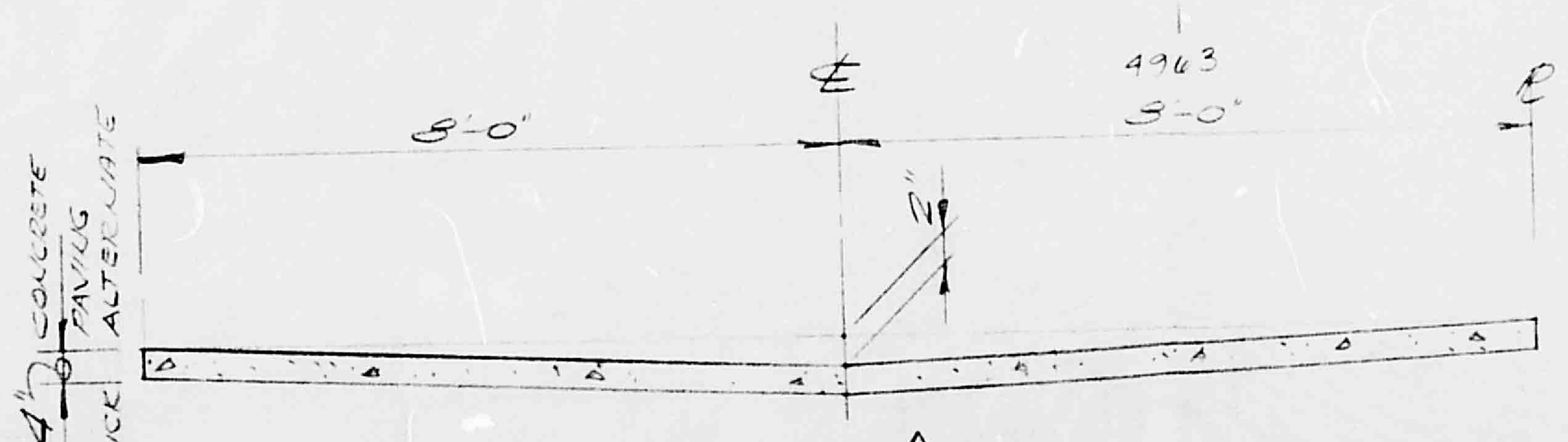
1. NO SEDIMENT-BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-WAY, AND EASEMENTS SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH 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 CONTROLLED BY THE USE OF A 12" HIGH COMPACTED EARTH BERM AT THE DOWNSTREAM PERIMETERS OF THE PROPERTY.

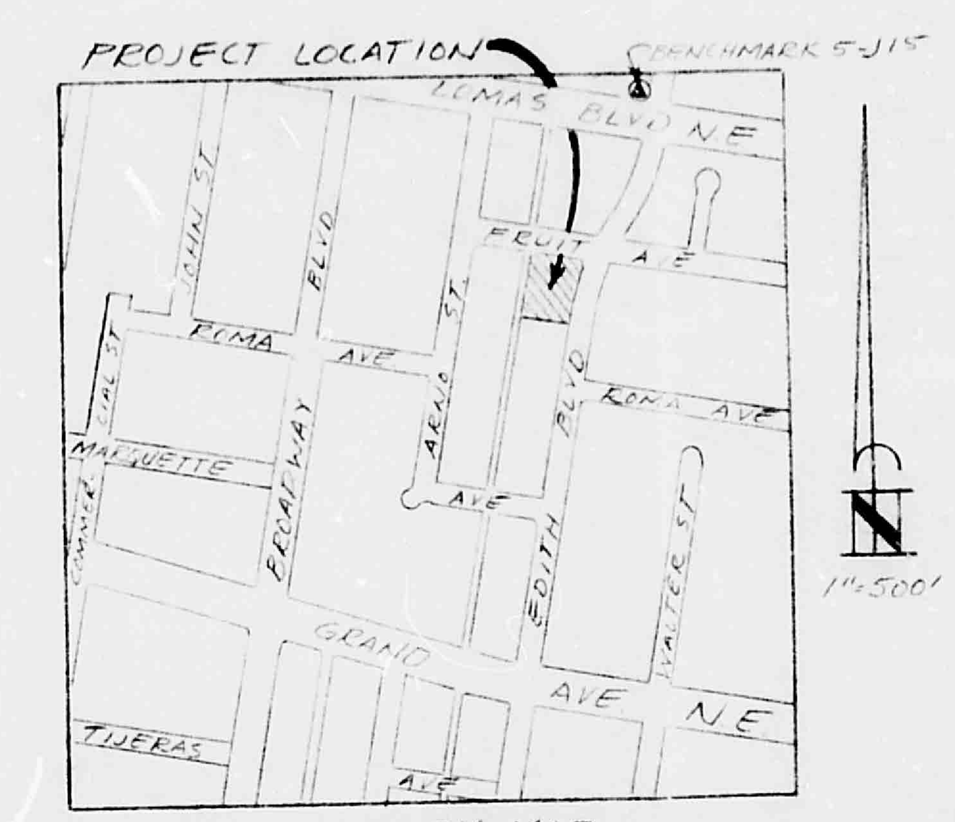
LEGEND

PROPERTY LINE
EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CURB
FLOW DIRECTION
EXISTING WOOD FENCE
PROPOSED WOOD FENCE

RECEIVED APR 17 1986 HYDROLOGY SECTION



EXISTING SWALE DETAIL
1/2" = 1'-0"



VICINITY MAP
ZONE MAP J-14

△ REVISED 4-16-86

N. M. 2300 REGISTERED PROFESSIONAL ENGINEER
4-9-86

LOGAN/GROSS & ASSOCIATES, INC.
CONSULTING CIVIL ENGINEERS
ALBUQUERQUE, NEW MEXICO

DRAINAGE PLAN
FOR: DANNY MARTINEZ
AT: 617 EDITH N.E.
ALBUQUERQUE, N.M.
FILE # H-42
DATE 4-5-86

DRAINAGE PLAN

PARCEL 14 MARTINEZTOWN NEIGHBORHOOD DEVELOPMENT PLAN
ALBUQUERQUE, NEW MEXICO
FLOOD MAP 28, BENCHMARK 5-J15, ELEV. 4967.34 SOIL TYPE "A"
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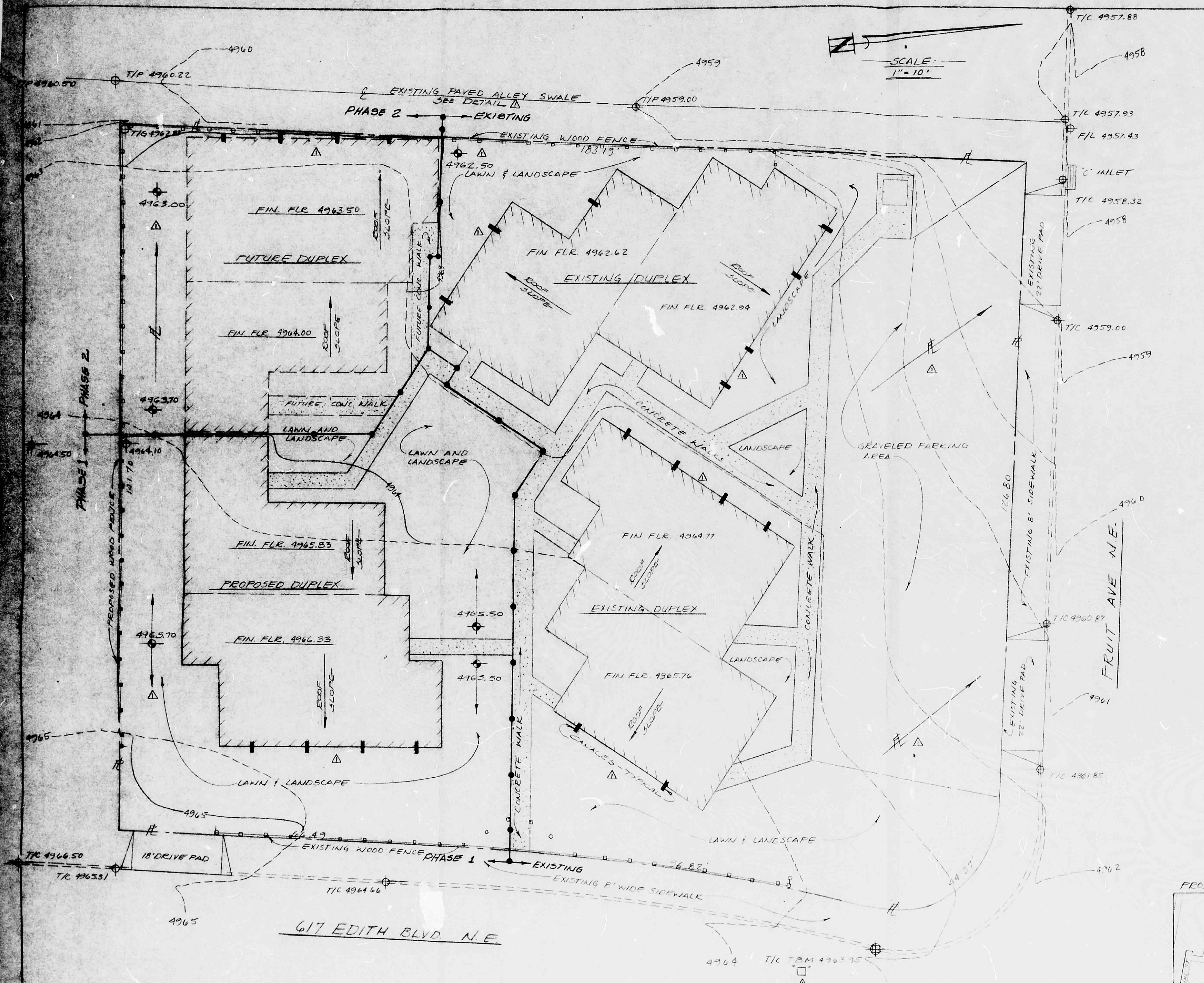
TOTAL AREA ROOFED OR PAVED: 6036 SQ. FT. = 23% - EXISTING
AND 11,072 SQ. FT. = 42% PROPOSED
FILE # J14/D61 APPROVED



HYDROLOGY

OFF-SITE FLOW: MINIMAL SHEET FLOW FROM LANDSCAPED 0.12 ACRES TO THE SOUTH C = .25 × 2.15 × 2.25 × 12 = 0.15 C.F.S.
"V" WITH CN 61 = 0.013' × 5225 S.F. = 68 CU. FT.

ON-SITE FLOW: UNDEVELOPED CONDITION, C = 0.40, I = 4.84 Q_{100} = 0.40 × 4.84 × 0.61 = 1.18 CFS "V" WITH CN 80 = 0.06' × 26,562' = 1595 CU. FT.

EXISTING CONDITION C = .50 × .40 = 0.20
.17 × .90 = 0.15
.06 × .95 = 0.06
.27 × .25 = 0.07
0.48

Q_{100} = 0.48 × 4.84 × 0.61 = 1.42 C.F.S. = 20% INCREASE
"V" WITH CN 70 = 0.03' × 26562' = 850 CU. FT. = 47% DECREASE

FINAL CONDITION C = 0.07 × .95 = 0.07
0.34 × .90 = 0.31
0.45 × 25 = 0.11
0.15 × .40 = 0.06
0.55

Q_{100} = 0.55 × 4.84 × 0.61 = 1.62 C.F.S. = 14% INCREASE
"V" WITH CN 75 = 0.04 × 26,562 = 1062 CU. FT. = 33% DECREASE

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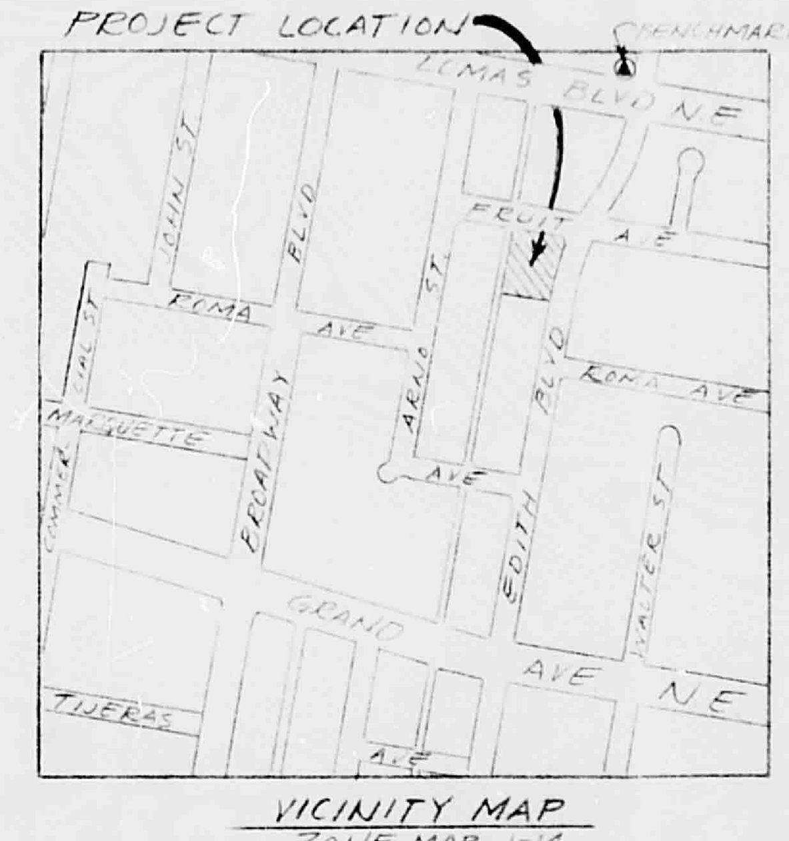
LEGEND

PROPERTY LINE
EXISTING CONTOUR — 4960
PROPOSED CONTOUR — 5460
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CURB
FLOW DIRECTION
EXISTING WOOD FENCE
PROPOSED WOOD FENCE

EXISTING SWALE DETAIL
1/2" = 1'-0"



VICINITY MAP
ZONE MAP J-14

△ REVISED 4-16-86

N.M. 2300 REGISTERED PROFESSIONAL ENGINEER — DUANE LEE LOGAN
4-9-86

LOGAN/GROSS & ASSOCIATES, INC.
CONSULTING CIVIL ENGINEERS
501 KINLEY N.E. 243-6353
ALBUQUERQUE, NEW MEXICO 87102

DRAINAGE PLAN	File # H-42
FOR: DANNY MARTINEZ	Date 4-5-86
AT: 617 EDITH N.E.	Drawn C.B.
ALBUQUERQUE, N.M.	Sheet 1 of 1