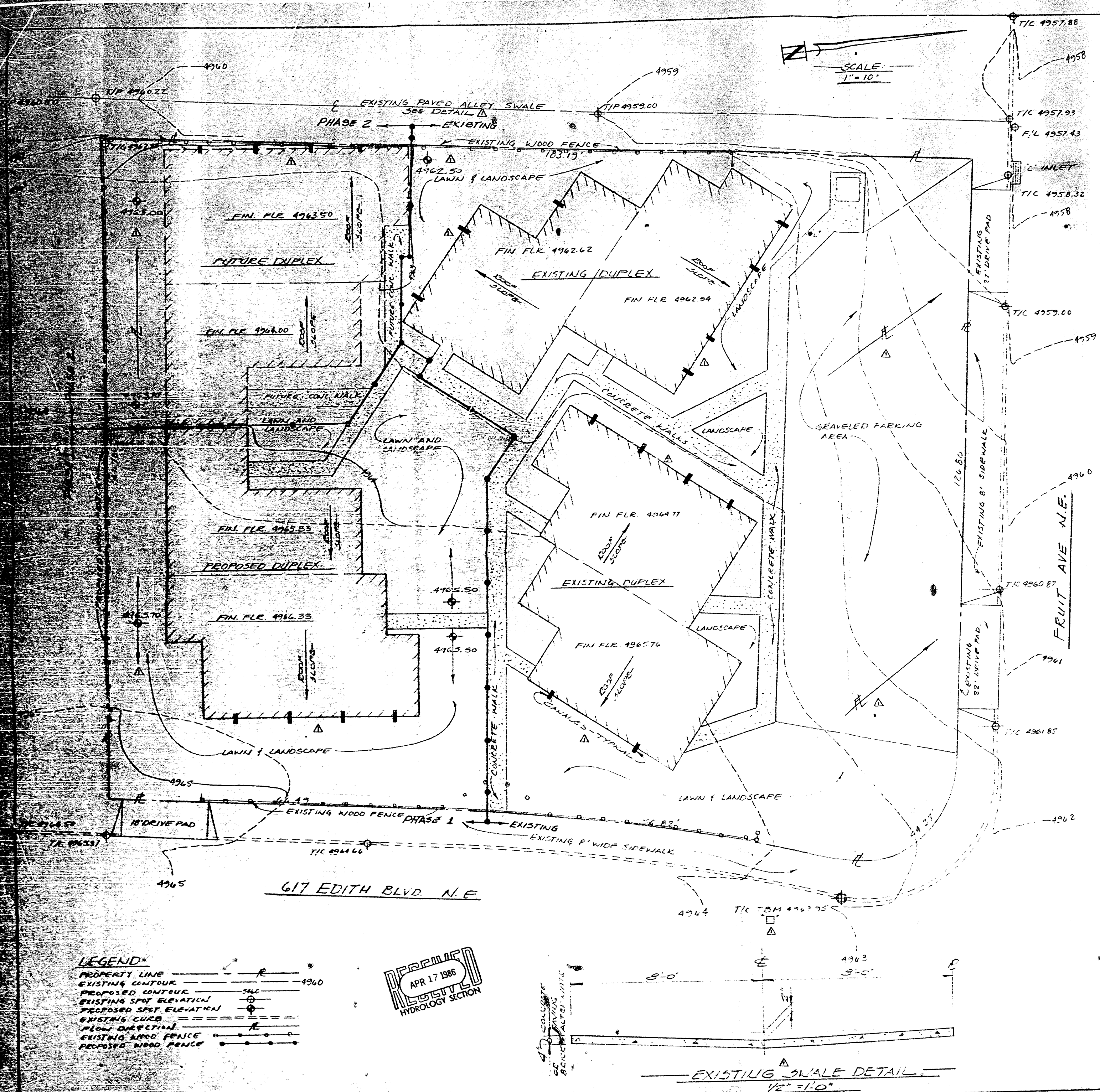


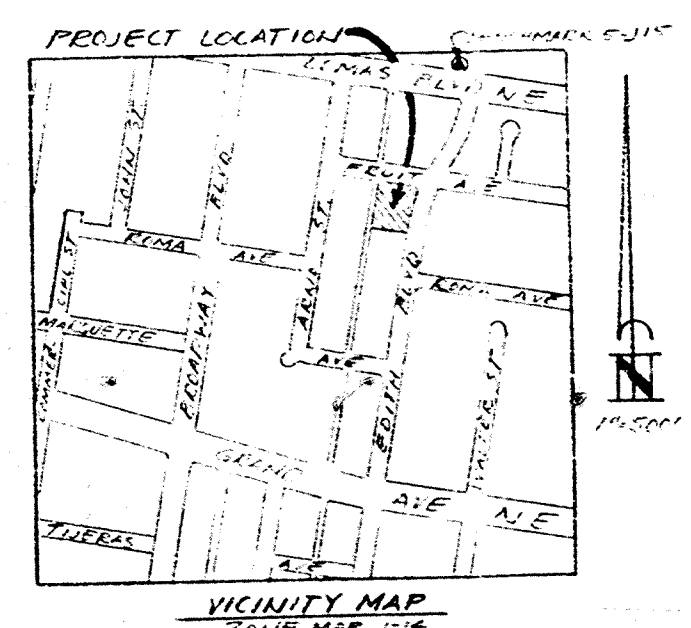


DRAINAGE PLAN
 PARCEL 14 MARTINEZTOWN NEIGHBORHOOD DEVELOPME
 ALBUQUERQUE, NEW MEXICO
 FLOOD MAP 28, BENCHMARK 5-J15, ELEV. 4967.34 SOIL 7
 TOTAL AREA 26,562 SQ. FT. - 0.61 ACRES
 TOTAL AREA ROOFED OR PAVED: 6036 SQ. FT. - 23% - EX.
 AND 11,072 SQ. FT. - 42% PROPOSED
 FILE # J14/DGI APPROVED

HYDROLOGY
 OFF-SITE FLOW: MINIMAL SHEET FLOW FROM LANDSCAPE
 TO THE SOUTH. C = .25 x 215 x 2.25 = 12
 V WITH CN 61 = 0.013 x 5225 SF = 48 CU.F.
 ON-SITE FLOW: UNDEVELOPED CONDITION, C = 0.40, I =
 4.84 x 0.61 = 1.18 C.F.S. V WITH CN 80 = 0.
 1595 CU. FT.
 EXISTING CONDITION C = .50 x 40 = 0.2
 .17 x .90 = 0.1
 .06 x .95 = 0.0
 .27 x .25 = 0.0
 .04
 $Q_{100} = 0.48 \times 4.84 \times 0.61 = 1.42 \text{ C.F.S.} = 20$
 V WITH CN 70 = 0.03 x 24562 = 850 CU.F.
 FINAL CONDITION C = 0.07 x .95 = 0
 .034 x .90 = 0
 .045 x .25 = 0
 .015 x .40 = 0
 0
 $Q_{100} = 0.55 \times 4.84 \times 0.61 = 1.62 \text{ C.F.S.} = 14\%$
 V WITH CN 75 = 0.04 x 26562 = 1062 CU.F.

RECOMMENDATION:
 DUE TO MINIMAL SIZE OF DEVELOPME
 SITE, ACTUAL DECREASE OF RUN OF
 BECAUSE OF LANDSCAPING, AND ADJ
 STORM DRAIN FACILITIES, PERMISS
 DISCHARGE THROUGH EXISTING PA
 REQUESTED.

EROSION CONTROL NOTES
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE
 NO SEDIMENT-CAUSING WATER SHALL BE ALLOWED
 SITE DURING CONSTRUCTION.
 2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT
 COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-W
 MENTS SHALL BE PROTECTED FROM FLOODING.
 3. ANY AND ALL SEDIMENTATION ORIGINATING ON
 IS DEPOSITED WITHIN PUBLIC RIGHT-OF-WAY SH
 AND COMPLETELY REMOVED BY THE CONTRACTOR
 4. CONTROL OF SEDIMENT-LADEN FLOOD WATERS WILL BE
 USE OF A 12" HIGH COMPACTED EARTH BERM AT THE
 PERIMETERS OF THE PROPERTY.



LEGEND
 PROPERTY LINE
 EXISTING CONTOUR
 PROPOSED CONTOUR
 EXISTING SPOT ELEVATION
 PROPOSED SPOT ELEVATION
 EXISTING CURB
 PROPOSED CURB
 EXISTING DRIVEWAY
 PROPOSED DRIVEWAY
 EXISTING WOOD FENCE
 PROPOSED WOOD FENCE

APR 17 1986
 HYDROLOGY SECTION

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

REVISD 4-16-86

