HYDROLOGY

H12/D9
1 PLAN

H12/D9

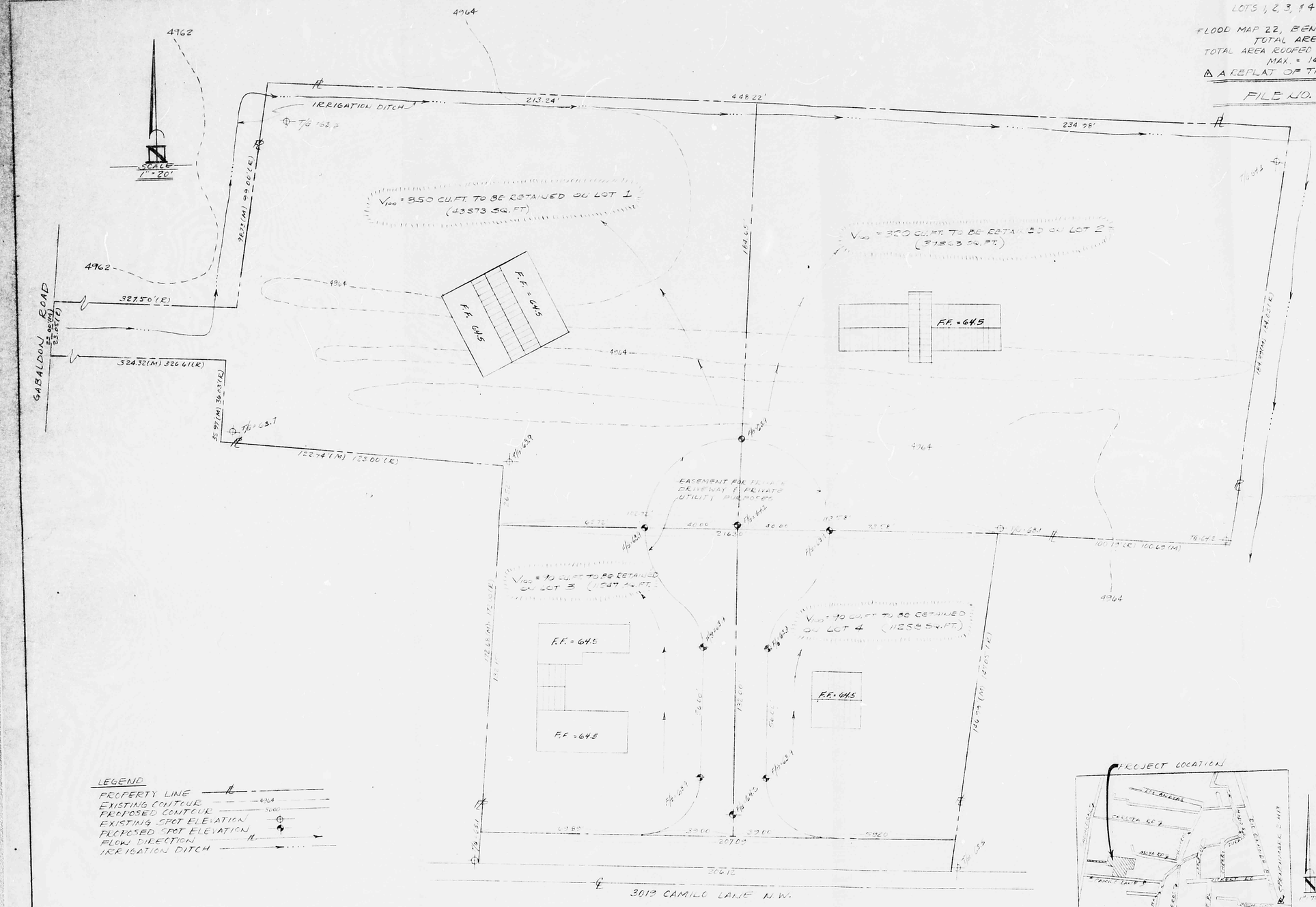
1 PLAN

CONCEPTUAL DRAINAGE PLAN

FOR 4 SINGLE FAMILY RESIDENCES
LOTS 1, 2, 3, & 4 ON LANDS OF PAUL & MARY SANCHEZ
ALBUQUERQUE, NEW MEXICO

FLOOD MAP 22, BENCHMARK 2-H13- ELEV. 4961.46, SOIL TYPE "B"
TOTAL AREA = 116,740 SQ. FT. = 2.680 ACRES
TOTAL AREA ROOFED OR PAVED = 5100 SQ. FT. = 5% TOTAL
MAX. = 1400 S.F. ON 11247 SQ. FT. = 12%
△ A REPLAT OF TRACT 141-A-2-B, MRGCD MAP #35

FILE NO. H12/D9 APPROVED: _____



NOTES

1. NO OUTSIDE WATER WILL ENTER SITE.
△ 2. ALL ON-SITE WATER WILL BE RETAINED ON INDIVIDUAL LOTS INCLUDING PORTION OF STREET.
3. UNDEVELOPED PEAK FLOW ON SITE: C=0.40, I=2.17×2.2=4.73, A=2.68, Q_{100}=5.07 C.F.S. MAXIMUM DEVELOPED PEAK FLOW ON TOTAL SITE: C=0.43, Q_{100}=5.45 C.F.S. = 75% INCREASE. MAXIMUM DEVELOPED PEAK FLOW ON INDIVIDUAL SITE: C=0.46, A=0.26, Q=0.57 C.F.S.
△ 4. DUE TO LACK OF SLOPE ON SUBJECT PROPERTY RETENTION ON-SITE IS THE ONLY SOLUTION AVAILABLE.
△ 5. NO MRGCD DITCH EASEMENT IS INDICATED ON THE PLAT.

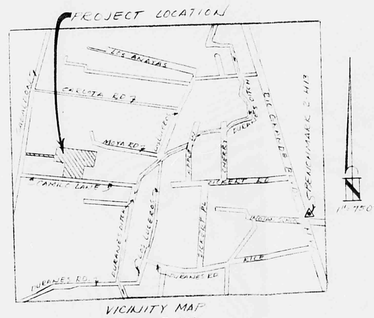
△ EROSION CONTROL NOTES

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 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.

LEGEND

PROPERTY LINE
EXISTING CONTOUR — 4964
PROPOSED CONTOUR — 5000
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
FLOW DIRECTION
IRRIGATION DITCH


PROJECT LOCATION
TO ARIAL
ALTA RD.
ANIL CAMINO
CAMINO ALTO
CAMINO ALTO
CAMINO ALT