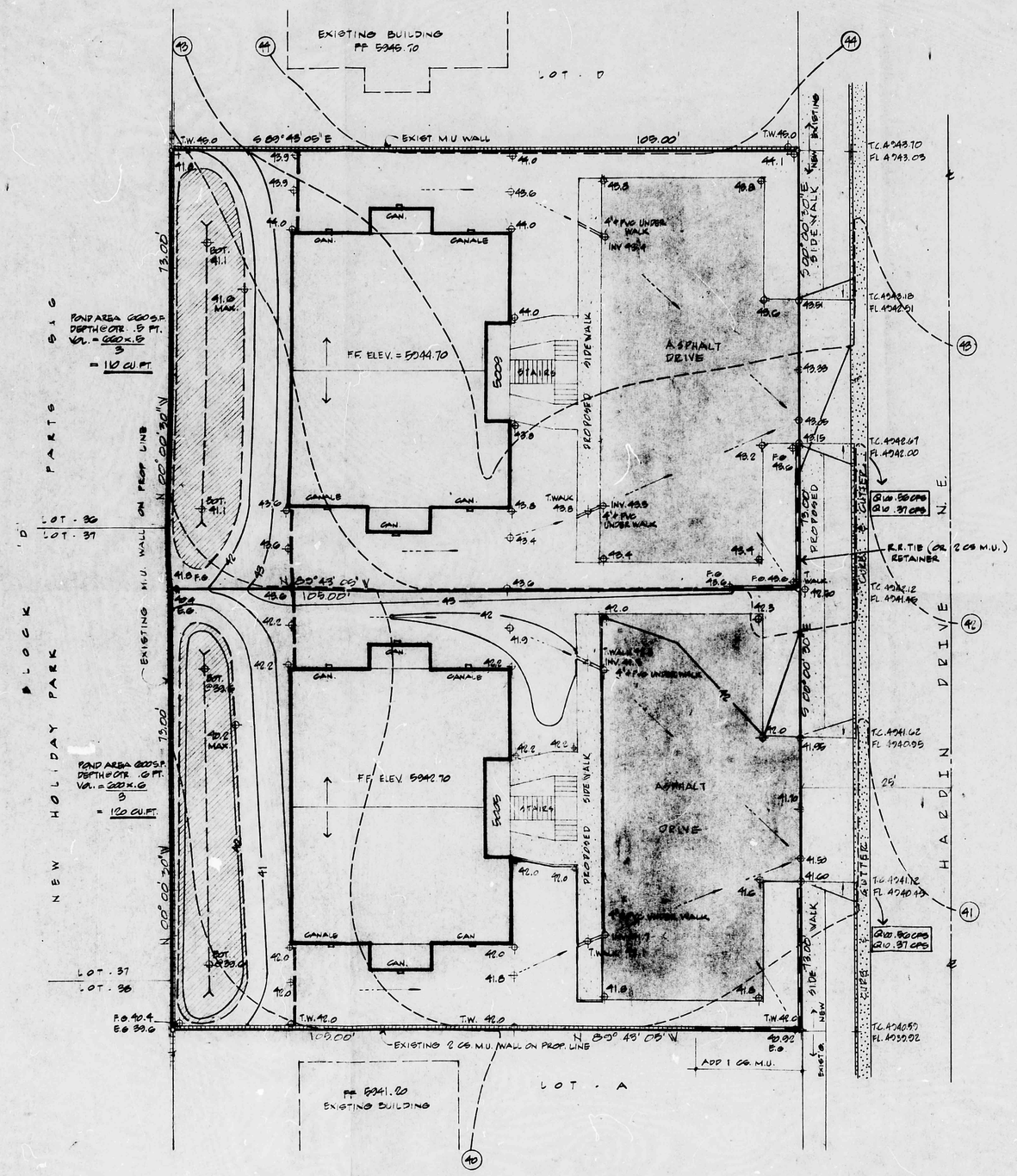
HYDROLOGY

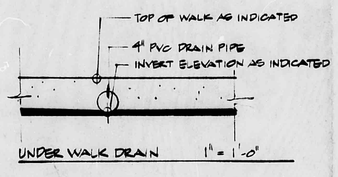
F22/D22

F22/D22

FOURPLEXES

1 PLAN





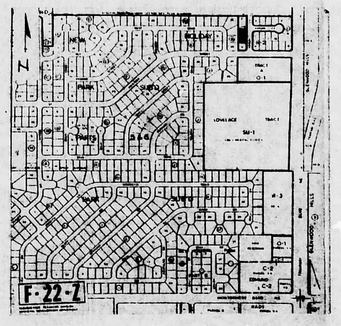
SCALE 1" = 10'

BENCH MARK

1. F22 ACS BRASS TABLET SET IN TOP OF CONCRETE POST ON NORTH SIDE OF MANITOBA STREET ± 100' W OF TRAMWAY BLVD., NE.
ELEV 5057.010

T.B.M.

W RIM. MANHOLE, CENTER OF MANITOBA ST., NE 70' E OF INTERSECTION OF HARDIN DRIVE
ELEV 5040.03



CALCULATIONS & DATA

- QUANTIFICATIONS SHOWN APPLY TO EACH LOT

AREA	7600 SQ. FT.	(.176 AC.)
DEVELOPED AREA	4080 SQ. FT.	(.094 AC.)
SLOPE	2% MAXIMUM	
SOILS GROUP	B	
DEVELOPED COVERAGE	53%	

OFFSITE CONTRIBUTORY RUNOFF

NONE.

ON-SITE RUNOFF

NOTE: LOTS GRADED FOR INDIVIDUAL SITE PONDING PER APPROVED GRADING PLAN ( ) RUNOFF SHOWN ASSUMES NO POND CREDIT ENTIRE SITE AREA IS INCLUDED IN RUNOFF DISCHARGE COMPUTATIONS. (D.P.M. 22.2.C.3)

IMPERVIOUS AREA	53%
RUNOFF COEFFICIENT	.53
TIME OF CONCENTRATION	10 MINUTES
100-YEAR RAINFALL	2.8 IN.
INTENSITY	5.4 IN/HR.

Q100 = .53 x 5.4 x .176 = .50 CFS EACH LOT
Q10 = .657 Q100 = .37 CFS

AREA CONTRIBUTING TO REAR: 1400 S.F., 100% OPEN
C = .30
VOL. = 1400 x .30 x 2.8/12 = 110 CU. FT.

LOTS DO NOT LIE ADJACENT TO ANY DRAINAGEWAYS.

DISCHARGE IS ROUTED SOUTH ON HARDIN DRIVE, THEN WEST ON MANITOBA TO JUAN TABO & NORTH TO BIG BEAR ARROYO.

LEGEND

CONTOUR INTERVAL - ONE FOOT
(40) EXISTING CONTOUR
40 PROPOSED CONTOUR
· 42.8 EXISTING SPOT ELEVATION
+ 42.8 PROPOSED SPOT ELEVATION

PROPOSED ELEVATIONS & CONTOURS ARE TO FINISH SURFACES. CONTRACTOR SHALL DETERMINE SUBGRADES.

EXTENT OF POND
POND BOTTOM ELEVATIONS ARE ACCORDING TO TO SUBDIVISION GRADING PLAN AS APPROVED ON SEPTEMBER 13, 1977

EXISTING M.U. WALL
PROPOSED RETAINER (MATERIALS, HEIGHT AS NOTED)
DIRECTION OF FLOWS
GRADE BREAK

RECEIVED JUN 12 1984 HYDROLOGY SECTION

DRAINAGE PLAN

8008 & 8009 HARDIN DRIVE, NE
LOTS B & C
BLOCK - 1
SUBDIVISION OF TRACT - B, NEW HOLIDAY PARK PARTS 5 & 6
ALBUQUERQUE, NEW MEXICO

SHEPHERD CONSTRUCTION

PREPARED BY
ENCHANTMENT ENGINEERING
1800 MARBLE AVENUE, NE SUITE. 10
ALBUQUERQUE, NM 87110
266-7708

APPROVED FOR DRAINAGE
7/18/84
SIGNATURE
SENIOR DRAINAGE INSPECTOR
WHEN GRADING EXECUTED

F22/D22