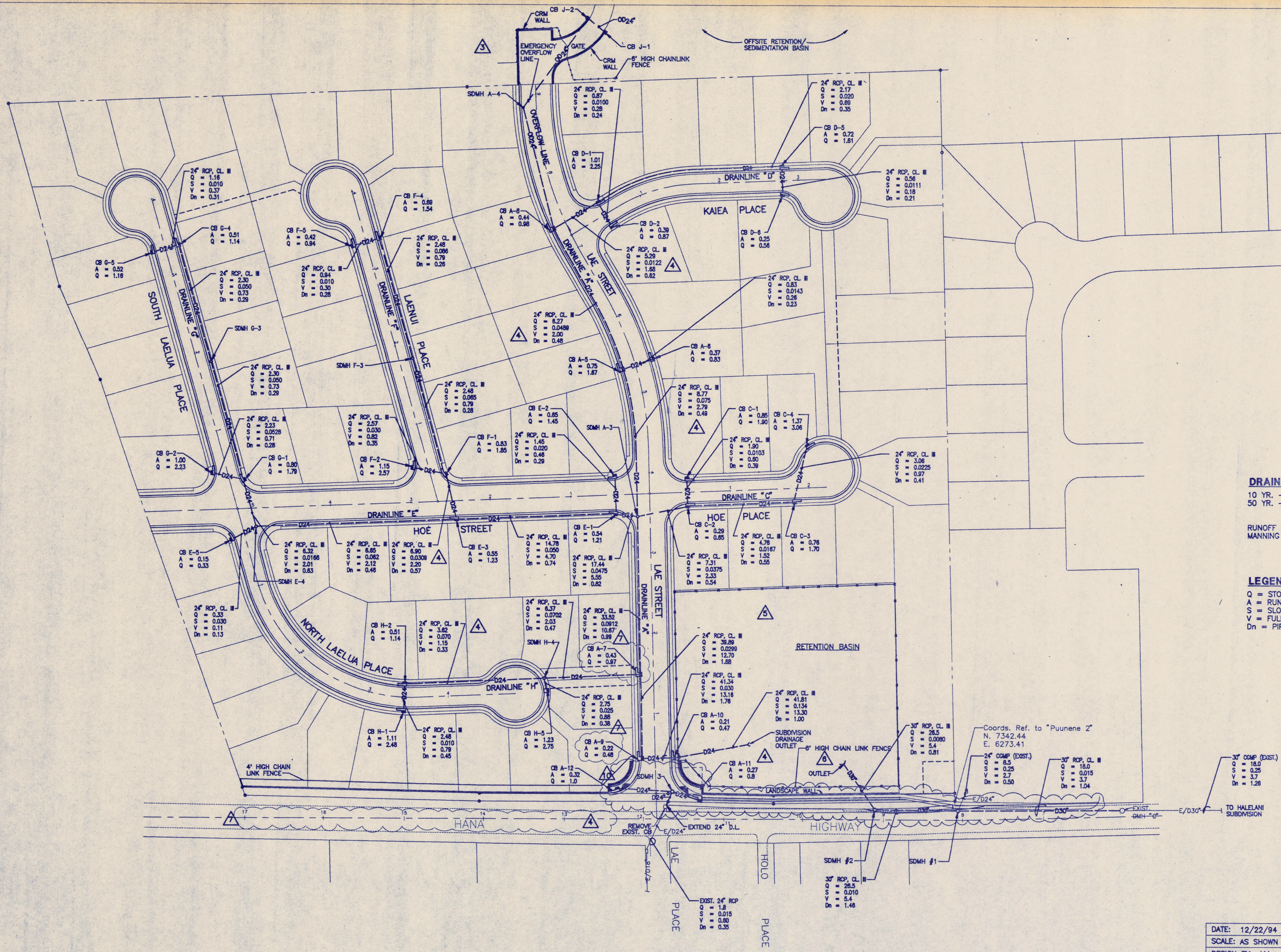




DRAINAGE DESIGN DATA:
 10 YR. - 1 HR. RAINFALL = 2.0" (ON-SITE)
 50 YR. - 1 HR. RAINFALL = 10.0" (OFF-SITE)
 & ONSITE RETENTION POND
 RUNOFF COEFFICIENT "C" = VARIES 0.45 TO 0.85
 MANNING "n" = 0.013 (RCP)

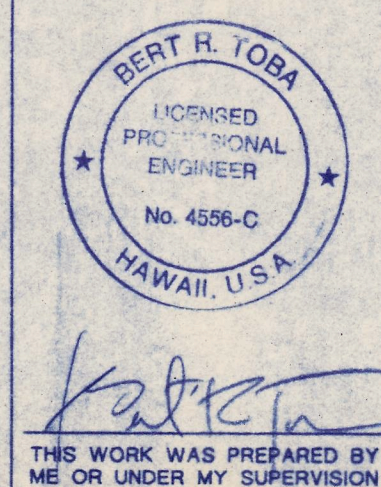
LEGEND:
 Q = STORM RUNOFF, CFS
 A = RUNOFF AREA, ACRES
 S = SLOPE, FT./FT.
 V = FULL FLOW VELOCITY, FPS
 Dn = PIPE FLOW DEPTH, FT.



DRAINAGE DESIGN DATA - 1 SCALE: 1" = 60'

RECORD DRAWINGS
 INFORMATION SHOWN WAS PROVIDED BY THE CONTRACTOR AND MAY NOT BE ACCURATE. THE USERS OF THIS DRAWING SHALL BE RESPONSIBLE TO VERIFY ITS ACCURACY
 DATE: 5/8/99

DATE: 12/22/94
 SCALE: AS SHOWN
 DESIGN BY: M.I.
 DRAWN BY: M.I.
 CHECKED BY: B.R.T.



10	ADDITIONAL COMMENTS PER D.O.T. (DRAINAGE AND ROAD IMPROVEMENTS)	9/22/95
7	SHOWED BASELINE AT HANA HIGHWAY PER D.O.T. COMMENTS.	6/19/95
6	OFFSITE DRAINAGE REVISIONS	5/17/95
5	ADDENDUM #3 SLOPE STABILIZATION WALL DELETED	5/1/95
4	REVISIONS AFTER BID	4/24/95
3	ADDENDUM #3	4/24/95

SATO & ASSOCIATES, INC.
 CONSULTING ENGINEERS • CIVIL & STRUCTURAL
 HONOLULU, OAHU, HAWAII • WAILUKU, MAUI, HAWAII
MAKANA SUBDIVISION
 T.M.K.; 2-5-05: 57
 PAIA, HAMAKUAPOKO, MAUI, HAWAII

APPROVED:	
DATE	DATE
DATE	DATE