STORAGE BASIN	SURFACE AREA (SQ FT)	DEPTH (IN)	VOLUME (AC-FT)
1 (a)	44,300	20	1.59
2 (a)	58,500	20	2.09 / 3.68 > V_{10}=3.65 (c)
3 (b)	172,800	24	7.52 / 11.20 > V_{100}=5.64 (c) > V_{100}=9.95 (d)

(a) TEMPORARY DETENTION BASIN. PLUG OUTLET TO CONVERT TO A RETENTION BASIN DURING CONSTRUCTION OF THE AMOLE DEL NORTE CHANNEL. THIS BASIN SHALL BE VACATED AND REGRADED AFTER DOWNSTREAM CHANNEL CONSTRUCTION HAS BEEN COMPLETED.

(b) TEMPORARY DETENTION BASIN IN CITY R.O.W. TO BE REMOVED WHEN CHANNEL CONSTRUCTION BEGINS.

(c) TOTAL DEVELOPED RUNOFF FROM 77.2-ACRE MOBILE HOME PARK

(d) TOTAL DEVELOPED RUNOFF FROM BASINS 37D, 39D & 40D (217.6 AC.) ENTERING AMOLE DEL NORTE CHANNEL (FEB 1985 DESIGN DEVELOPMENT REPORT)

CHANNEL	Q DESIGN (CFS)	SLOPE (FT/FT)	SIDE SLOPES	BOTTOM WIDTH (FT)	DEPTH OF FLOW (FT)	VELOCITY (FPS)	TOTAL WIDTH (FT)
A	102.2	0.0205	4:1 (1)	10	1.12	6.4	19.7
			2:1 (2)	7	0.97	11.9	11.0
B	139.3	0.0173	3:1 (1)	10	1.43	6.9	19.7
			2:1 (2)	5	1.40	12.8	10.6
C	27.7	0.0060	3:1 (1)	6	1.00	3.1	13.1
			2:1 (2)	3	0.97	5.8	7.0
D	42.5	0.0204	3:1 (1)	0	1.57	5.8	9.9
			2:1 (2)	0	1.43	10.5	5.7

(1) ENKAMAT LINING, TYPE 7020 MATTING (n = 0.030)
(2) 4-IN REINFORCED CONCRETE LINING (n = 0.015)

DRAINAGE BASIN	AREA ACRES	Q100 (CFS)
1-D	1.6	3.1
2-D	14.9	27.7
3-D	10.8	21.1
4-D	15.5	28.8
5-D	16.4	27.0
6-D	15.6	24.8
7-D	7.0	13.7