

DRAINAGE CALCULATIONS
FOR
PARADISE SKIES UNIT 7





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PROJECT PARADISE SKIES UNIT 7
SUBJECT DRAINAGE CALCS
BY GJK DATE 8-25-00
CHECKED _____ DATE _____
SHEET 1 OF _____

THIS SITE WAS PART OF THE PARADISE SKIES UNIT 6
DRAINAGE REPORT PREPARED BY MARK GOODWIN & ASSOC.
7-28-00 APPENDIX "A"

SINCE FLOWS WERE DETERMINED TO BE
0.47565 CFS/LOT ALL THAT NEEDS
TO BE DONE WITH THIS REPORT IS
TO DETERMINE CURB TRANSITION LOCATIONS

- CAPACITY OF CYONUS AVE MOUNTABLE CURB

$S = 2.5\%$ $n = 0.017$ 28' F-F



$$d = 0.3025$$

$$WP = 28.605$$

$$A = 3.965$$

$$V = 3.70 \text{ F/S}$$

$$Q = 14.68 \text{ CFS}$$

$$d + V^2/2g = 0.515 \approx 0.51$$

$$\text{Number of Lots} = 14.68 / 0.47565 = 30.86 \text{ SAY } 30$$

TRANSITION TO OCCUR BETWEEN LOTS 15+16
BLOCK H (25 LOTS)