

McDowell Engineering, Inc.

7820 Beverly Hills Ave. NE
Albuquerque, New Mexico 87122
Tele: (505)828-2430
Fax: (505)821-4857

Project: Stewart Dev.
Project No. STE0199L Date: 1-22-99
Subject: 1' wide curb opening calcs.
By: [Signature] Sheet 1 of 1

Max Flow to 1' wide curb openings:

$$Q_{max} = 0.61 \text{ cfs}$$

(See attached Calc. sheet
for sub basin = 0.13 ac.)

Capacity of 1' wide curb opening:

$$Q = CLH^{3/2}$$

Where $C = 3.0$

$$L = 1$$

$$H = 0.5$$

$$\therefore Q = 1.06 \text{ cfs} > 0.61 \text{ cfs} \checkmark$$

OK