FIGURE 1

PLANT DRAINS POND

Rainfall Intensity

$Q = CIA = 0.3 \times 11.6 \times 4.5 = 1577$ cfs (
)

2.2

peak flow is 1572 cfs

Rainfall intensity was estimated using the data and methodology presented in section 1.2. For the

Peak Flow Estimation

Channel and Culvert Sizing

North Culvert Watershed is captured by the existing North Channel and

2.3

estimated using the Rational Method formula discussed in Section 1.3. The

The peak flow was $= CIA = 0.3 \times 11.6 \times 1.15 = 4.0$ cfs

Culvert Watershed

(Q

- South Culvert Watershed
- V-Ditch Watershed peak flow is 4.0 cfs