

DESIGN CRITERIA

STREET SYSTEMS

THE FOLLOWING FORMULA IS USED TO DETERMINE FLOW CHARACTERISTICS IN TYPICAL STREET SECTIONS. FLOWS ARE BASED UPON THE MANNING FORMULA:

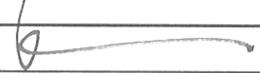
$$Q = \frac{1.49}{N} AR^{2/3} S^{1/2}$$

1. CURB AND GUTTER SECTIONS ARE FOR THE CITY OF CORCORAN STANDARD STREET SECTIONS MODIFIED SLIGHTLY FOR SIMPLICITY. STREET CROSS SLOPES = 2 PERCENT. GUTTER SECTION IS DEPRESSED 1/4" MAX. BELOW THE ADJACENT STREET SURFACE.
2. MANNING ROUGHNESS COEFFICIENT N=0.015
3. VALUES SHALL BE CALCULATED FOR ONE-HALF STREET ONLY. BE CAREFUL WHEN CALCULATING SO THAT THE CURB HEIGHT OF THE STREET IS NOT EXCEEDED.
4. DEPTH IS MEASURED AT FACE OF CURB.
5. WIDTH IS MEASURED FROM FACE OF CURB TO EDGE OF FLOODING.

CITY of CORCORAN • Department of Public Works

Standard Drawing for:

STORM DRAINAGE CRITERIA

APPROVED:  City Engineer

05/19/08
Date

Revised:

SD-1a