

SANITARY SEWER CRITERIA

1. ACCEPTABLE MATERIALS:

TRUNKS, MAINS, COLLECTORS - VITRIFIED CLAY PIPE, (EXTRA STRENGTH)  
(8" AND LARGER) PVC (ASTM DESIGNATION D3034-SDR35)

SEWER SERVICE CONNECTIONS - VITRIFIED CLAY PIPE, (EXTRA STRENGTH)  
(4" AND 6") CAST IRON SOIL PIPE  
PVC (ASTM DESIGNATION D3034-SDR35)

\*ALL 4" SHALL BE FURNISHED IN 1/2 LENGTHS

2. ALL SEWER PIPE SHALL HAVE EITHER A COMPRESSION TYPE OR A SOLVENT WELDED JOINT.

3. A. SEWER CAPACITY DESIGN CRITERIA

1. 125 GAL. PER CAPITA PER DAY (RESIDENTIAL)

2. 5.0 DWELLINGS PER GROSS ACRE

3. 3.5 PERSONS PER DWELLING

4. DAILY CONTRIBUTION 2190 GAL. PER ACRE PER DAY (RESIDENTIAL)

5. AVERAGE FLOW - PIPE DESIGNED TO FLOW HALF FULL FOR PIPE SIZES LESS THAN 15" AND THREE-FOURTHS FULL FOR PIPE SIZES 15" AND LARGER TO ALLOW FOR PEAK FLOW.

6. COMMERCIAL & LIGHT INDUSTRY  
3 X 2190 = 6570 GAL. PER ACRE PER DAY

7. HEAVY INDUSTRY  
6 X 2190 = 13,140 GAL. PER ACRE PER DAY

B. AVERAGE DESIGN FLOWS

1. RESIDENTIAL

ACRES X  $\frac{1250}{1440}$  = ACRES X 1.52 GPM

2. COMMERCIAL AND LIGHT INDUSTRY

ACRES X  $\frac{6570}{1440}$  = ACRES X 4.57

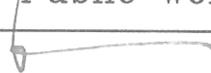
3. HEAVY INDUSTRY

ACRES X  $\frac{13,140}{1440}$  = ACRES X 9.13 GPM

CITY of CORCORAN • Department of Public Works

Standard Drawing for:

**SANITARY SEWER CRITERIA**

APPROVED:  City Engineer.

05/19/08  
Date

Revised:

**SS-1**