



Table of Contents

Chapter 3 - Sanitary Sewers

3A General Information

3A-1-----General Information
A. Concept..... 1
B. Conditions..... 2

3B Flow Determination

3B-1-----Flow Determination
A. Sanitary Sewers Design Period..... 1
B. Footing Drain Inflow..... 1
C. Area..... 1
D. Density Table..... 2
E. Special Design Densities..... 2

3C Facility Design

3C-1-----Facility Design
A. Capacity of Pipe..... 1
B. Flow Within the Pipe..... 1
C. Pipe Material..... 1
D. Manning's Roughness Coefficient..... 1
E. Minimum Grade..... 2
F. Size of Sewer Pipe..... 2
G. Crossings and Clearances..... 4
H. Depth of Sewer..... 5
I. Location of Sanitary Sewers..... 6
J. Alignment of Sewers..... 6
K. Sewer Linings for Ductile Iron Pipe..... 6
L. Manholes..... 6
M. Sewer Services..... 10
N. Force Mains..... 10
O. Siphons..... 10

3D Pipe and Manhole Materials

3D-1-----Pipe and Manhole Materials

3E References

3E-1-----References