



**SECTION 02720 - SANITARY SEWER COLLECTION SYSTEM**  
City of Daly City General Conditions Standard Specifications and Drawing

**CONTENTS:**

Part 1 –  
General ..... 1  
1.01 Work Included ..... 1  
1.02 Related Requirements ..... 1  
1.03 Reference Standards ..... 2  
1.04 Quality Assurance ..... 4  
1.05 Measurement and Payment ..... 4  
1.06 Submittals ..... 5  
Part 2 -  
Products ..... 5  
2.01 General ..... 5  
2.02 Ductile Iron Pipe ..... 5  
2.03 Poly-Vinyl Chloride (PVC) & Polyethylene (PE) Pipe and Fittings ..... 6  
2.04 Vitrified Clay Pipe (VCP) ..... 7  
2.05 Traps/Interceptors/Separators ..... 7  
2.06 Manholes ..... 8  
2.07 Manhole Frames and Covers ..... 9  
2.08 Adjusting Rings for Manhole Frames and Covers ..... 9  
2.09 Anchor Bolts ..... 9  
2.10 Iron Castings ..... 9  
2.11 Sanitary Sewer Cleanouts ..... 9  
2.12 Backwater Valve ..... 10  
2.13 Recycled Water Valves and Valve Boxes ..... 10  
2.14 Backfill Materials ..... 12  
2.15 Minor Concrete ..... 12  
Part 3 –  
Execution ..... 12  
3.01 Trench Excavation ..... 13  
3.02 Initial Backfill ..... 13  
3.03 Compaction ..... 14  
3.04 Pipe Installation ..... 14  
3.05 Sewer Sliplining ..... 15  
3.06 Pipe Bursting ..... 21  
3.07 Utility and Water Pipe Clearances ..... 23  
3.08 Trench Backfill ..... 23  
3.09 Connections to Existing Manholes ..... 28  
3.10 Connections to Existing Pipe ..... 28  
3.11 Side Sewer Connections to Main Sewers ..... 28  
3.12 Manholes ..... 29

3.13 Adjusting Existing Frames and Covers to Grade.....	30
3.14 Pumping Facilities .....	32
3.15 Reconstruction and Repair.....	37

TABLE OF CONTENTS continued:

3.16 Concrete Thrust Blocks .....	37
3.17 Laterals - Cleanouts .....	37
3.18 Cleaning Sanitary Sewers .....	37
3.19 Reconstruction of Existing Structures .....	38
3.20 Testing Sanitary Sewers.....	38
3.21 Closed Circuit Television Inspection of Sewer Lines .....	42
3.22 Sanitary Sewer Plugs.. .....	46
3.23 Abandonment of Sanitary Pipes and Manholes.....	46
3.24 Repair/Restoration of Property. ....	48
3.25 Construction Procedures, Connections, and System Rerouting. ....	48
3.26 Bypass Pumping/Sewage Flow Control.....	49
3.27 As-Built Drawings.....	51

**Drawings SS1 – SS13**

**Sanitary Sewer System (Revised 8/21/07)**

- SS-1 Non-Pressure Type Manhole Frame and Cover
- SS-2 Pressure Type Manhole Frame and Cover
- SS-2A Polyethylene Manhole Adjustment Ring Slope Design
- SS-3 (Cast in Place) Sanitary Sewer Manhole
- SS-5 Sanitary Sewer Testing Tee
- SS-6 Grease & Sand Interceptor
- SS-6A Grease Interceptor
- SS-7 Sewer Lateral Details (For Pipes Smaller than 6")
- SS-7A Sewer Lateral Connections (For 6" Pipe and Larger)
- SS-8 New Sewer Pipe Support Across Trenches
- SS-9 Side Sewers at Utility Intersections
- SS-10 Trench Dam
- SS-11 Flexible Connection at Manhole Tie-In
- SS-12 Clean Out & Backwater Valve
- SS-13 New Utility Pipe Crossing Existing Sewer Pipe