

Table of Contents

Section 6010 - Structures for Sanitary and Storm Sewers	Page No.
Part 1 - General	
1.01 Section Includes	1
1.02 Description of Work	1
1.03 Submittals	1
1.04 Substitutions	1
1.05 Delivery, Storage, and Handling	2
1.06 Scheduling and Conflicts	2
1.07 Special Requirements	2
1.08 Measurement and Payment	2
Part 2 - Products	
2.01 Manhole and Intake Types	4
2.02 Concrete Materials	4
2.03 Reinforcement	5
2.04 Non-shrink Grout	5
2.05 Precast Riser Joints	5
2.06 Manhole or Intake Top	5
2.07 Base	5
2.08 Pipe Connections	6
2.09 Manhole or Intake Adjustment Rings (Grade Rings)	6
2.10 Castings (Ring, Cover, Grate, and Extensions)	7
2.11 Additional Materials for Sanitary Sewer Manholes	7
2.12 Invert	8
2.13 Steps	8
2.14 Precast Concrete Tee	9
2.15 Anchor Bolts	9
2.16 Excavation and Backfill Material	9

Section 6010 - Structures for Sanitary and Storm Sewers (Continued)**Page No.****Part 3 - Execution**

3.01	General Requirements for Installation of Manholes and Intakes	10
3.02	Additional Requirements for Cast-in-place Concrete Structures	12
3.03	Additional Requirements for Precast Concrete Structures	13
3.04	Adjustment of Existing Manhole or Intake	14
3.05	Connection to Existing Manhole or Intake	14
3.06	Removal of Manhole or Intake	15
3.07	Cleaning, Inspection, and Testing	16

Figures**Figure No.**

Circular Sanitary Sewer Manhole	6010.301
Rectangular Sanitary Sewer Manhole	6010.302
Sanitary Sewer Manhole Over Existing Sewer	6010.303
Rectangular Base/Circular Top Sanitary Sewer Manhole	6010.304
Tee-section Sanitary Sewer Manhole	6010.305
Chimney Seals for Sanitary Sewer Manholes	6010.306
Drop Connection for Sanitary Sewer Manhole	6010.307
Circular Storm Sewer Manhole	6010.401
Rectangular Storm Sewer Manhole	6010.402
Deep Well Rectangular Storm Sewer Manhole	6010.403
Rectangular Base/Circular Top Storm Sewer Manhole	6010.404
Tee-section Storm Sewer Manhole	6010.405
Single Grate Intake	6010.501
Circular Single Grate Intake	6010.502
Single Grate Intake with Manhole	6010.503
Single Grate Intake with Flush-top Manhole	6010.504
Double Grate Intake	6010.505
Double Grate Intake with Manhole	6010.506
Single Open-throat Curb Intake, Small Box	6010.507
Single Open-throat Curb Intake, Large Box	6010.508

Section 6010 - Structures for Sanitary and Storm Sewers (Continued)	Figure No.
Double Open-throat Curb Intake, Small Box	6010.509
Double Open-throat Curb Intake, Large Box	6010.510
Rectangular Area Intake	6010.511
Circular Area Intake	6010.512
Open-sided Area Intake	6010.513
Boxouts for Grate Intakes	6010.514
Castings for Sanitary Sewer Manholes	6010.601
Castings for Storm Sewer Manholes	6010.602
Castings for Grate Intakes	6010.603
Castings for Area Intakes	6010.604
Section 6020 - Rehabilitation of Existing Manholes	Page No.
Part 1 - General	
1.01 Section Includes	1
1.02 Description of Work	1
1.03 Submittals	1
1.04 Substitutions	1
1.05 Delivery, Storage, and Handling	1
1.06 Scheduling and Conflicts	1
1.07 Special Requirements	1
1.08 Measurement and Payment	1
Part 2 - Products	
2.01 Chimney Seal	3
2.02 In-situ Manhole Replacement, Cast-in-place Concrete	3
2.03 Centrifugally Cast Cementitious Mortar Liner with Epoxy Seal	3
Part 3 - Execution	
3.01 Chimney Seal	5
3.02 In-situ Manhole Replacement, Cast-in-place Concrete	5
3.03 Centrifugally Cast Cementitious Mortar Liner with Epoxy Seal	6
3.04 Cleaning, Inspection, and Testing	6

Section 6030 - Cleaning, Inspection, and Testing of Structures**Page No.****Part 1 - General**

1.01	Section Includes	1
1.02	Description of Work	1
1.03	Submittals	1
1.04	Substitutions	1
1.05	Delivery, Storage, and Handling	1
1.06	Scheduling and Conflicts	1
1.07	Special Requirements	1
1.08	Measurement and Payment	1

Part 2 - Products

None.

Part 3 - Execution

3.01	Cleaning	2
3.02	Visual Inspection	2
3.03	Repair	2
3.04	Sanitary Sewer Manhole Testing	2
3.05	Test Failure	4