WASHINGTON SUBURBAN SANITARY COMMISSION

SECTION I – GENERAL NOTES AND PREFACE

Washington Suburban Sanitary Commission (WSSC) Standard Details book has been prepared by the Engineering and Construction Team, Systems Infrastructure Group. It provides engineering personnel and contractors with WSSC standard designs for constructing water and sewer pipelines within the Washington Suburban Sanitary District (WSSD).

The Standard Details are designed to be used in conjunction with the latest edition of WSSC General Conditions and Standard Specifications, Special Provisions, and job specific construction drawings.

All WSSC staff involved in engineering, and WSSC consultants and contractors should become thoroughly familiar with content. Ideally, this will result in a uniform design and construction of WSSC projects. We welcome your comments and suggestions addressed to by the Engineering and Construction Team, Systems Infrastructure Group of WSSC.

WSSC Standard Details can be conveniently downloaded and printed from WSSC web site at http://www.wsscwater.com and clicking on “Doing Business with WSSC”, then clicking on “Standard Details for Construction”. The Standards Details contained within this web site supersede any and all Standard Details previously issued by WSSC.
SUMMARY OF CHANGES
TO STANDARD DETAILS FOR CONSTRUCTION
DATED JULY 1, 2005

Section II-Miscellaneous Details

New Standard Details:

M/8.0, M/8.1a, M/8.1b and M/8.1c- Trench Detail for Rigid Pipe and Trench Detail for Flexible Pipe. Details added to coordinate with standard specification for Earthwork for Pipeline Construction.

Section III-Sewer Details

Revised Standard Details:

S/1.0- Revised Notes for Channel Lining.

S/3.03- Revised detail to add PVC AWWA C900 pipe.

S/3.1 and S/3.1a- Drops are now 12” and smaller.

S/3.1b and S/3.1c- Inside drops can be used for both new and existing precast manholes.

S/6.6- Added requirement to line transition manholes and interior of DIP and RCP sewers.

New Standard Details:

S/1.3- Precast Top Slab for Precast Concrete Manholes.

S/3.4- Manhole Steps in Channels for Sewers 36” and Larger.

S/8.1- Polyvinyl Chloride (PVC) Gravity Sewer Pipe Load Chart.

Section IV-Water Details

Revised Standard Details:

W/1.0- Deleted note about Commission furnishing testing equipment.

W/2.4, W/2.4a, W/2.5, W/2.5a, W/2.6, W/2.7, W/10.0, W/10.1, W/10.2, W/10.3, W/10.5, W/10.6- Added Rubber Annular Hydrostatic Sealing Devices around pipe openings, and added Polyethylene Encasement for DIP.
W/3.0, W/3.02, W/3.03, W/3.04, W/3.05 and W/3.06- Added Polyethylene Encasement for DIP.

W/3.01- Added Polyethylene Encasement for DIP and changed rip-rap to Class II.

W/4.2, W/4.3, W/4.4 and W/4.5- Revised piping layout for pressure relief and pressure reducing valve vaults.

W/8.0- Fire Hydrant detail has been revised to show Polyethylene Encasement for DIP.

New Standard Details:

W/2.8- Added Polyethylene Encasement at Concrete Interface.

W/4.6- Endwall for Pressure Relief Valve Piping at discharge point.

W/5.22 and W/5.23- Cast-in-Place and Precast Concrete Top for Pressure Reducing Valve Vaults.

W/5.6, W/5.7, W/5.8, and W/5.9- New Meter Settings for Water Services.

W/5.15 and W/5.15a- New Double Meter Settings.

W/6.1- Polyvinyl Chloride (PVC) Pipe (AWWA C900/905) Load Chart.

W/8.1- Fire Hydrant Setting Open Paving Section.

Section V-Blocking Details

Revised Standard Details:

B/1.9, B/2.3, B/3.2 and B/3.3- Details revised to use only Ductile Iron Pipe and Fittings.

B/3.1a and B/3.1b- Eliminated retainer glands.

Section VI-Corrosion Details

Revised Standard Details:

C/2.2- Removed “magnesium” from the “Prepackaged Anode” note.

C/3.3a and C/3.4- Changed “prepackaged standard magnesium anode” to “prepackaged zinc anode”.
C/4.2- Added two notes to locate Test Station out of proposed or existing paved areas and to provide Detectable Tape. Pipe mounted above test station to be color-coded blue.

Section VII- Pressure Sewer Details

Revised Standard Details:

PS/1.0- Details revised to coordinate with standard specification for Earthwork for Pipeline Construction.

PS/1.1- Revised requirements for maximum cover at ball valve at property line.

PS/1.3- Changed type of valves for in-line flushing connection from Eccentric Plug to Ball valve. Added detail for Terminal Flushing Connection.

PS/1.5- Revised interior lining requirements for manholes per General Specifications.

PS/1.6- Changed method of connecting pressure sewer house connections to gravity main line sewer.

PS/1.8- Revised requirements for maximum cover at in-line ball valves.

PS/4.0, PS/4.1 and PS/4.2- Revised interior lining requirements for transition manholes per Specifications.

PS/5.0- Added requirements for connecting new PSHC to existing HDPE pipe.

New Standard Detail:

PS/6.0- Abandonment of Existing Pressure Sewer House Connection. Detail added per Specifications.

Section VIII-Sediment Control Details

No changes.

Section IX- Procurement and Manufacturing Details

New section adding WSSC fabrication details referenced in Standard Specifications.