

# SUPPLEMENTARY DETAIL DRAWINGS

## General Notes and Numbering Systems

The *Supplementary Detail Drawing* as contained in this Schedule are primarily concerned with clarifying the Design Criteria. Construction details and practices are specified in the *Standard Detail Drawings* in the *Master Municipal Construction Documents* (MMCD). The *Supplementary Detail Drawings* are supplemental to the *Standard Detail Drawings*. However, in case of conflict, the *Supplementary Detail Drawings* take precedence over the *Standard Detail Drawings*.

The *Standard Detail Drawing* numbers in the MMCD are prefixed by a single letter to indicate works or services. To avoid possible confusion, the *Supplementary Detail Drawing* numbers are further prefixed by “SD”. The 2 numbering systems are summarized as follows:

	<b>Supplementary Detail Drawings</b>	<b>Standard Detail Drawings in MMCD</b>
General	SDG 1, 2, 3 ...	G1, 2, 3 ...
Road	SDR 1, 2, 3 ...	R1, 2, 3 ...
Sewers – Storm	SDS 1, 2, 3 ...	S1, 2, 3 ...
– Sanitary	SDS 1, 2, 3 ...	S1, 2, 3 ...
Water	SDW 1, 2, 3, ...	W1, 2, 3 ...
Concrete & Misc.	-	C1, 2, 3 ...
Electrical	SDE 1, 2, 3 ...	E1, 2, 3 ...

## Clarifications/Modifications to MMCD Standard Drawings

<b>Drawing No.</b>	<b>Comment</b>
S1	Manholes shall be minimum 1200 mm diameter.
S5	Use of precast riser manholes will be at the discretion of the District. The minimum size shall be 1200 mm diameter.
S6	The midblock cleanout shall be installed with the wye in the direction of flow.
S7	The factory installed plug shall be removed before installation of the inspection chamber.
S8	A 200 mm diameter inspection chamber is to be installed as per drawing S7 without the factory installed plug.
S9	This drawing applies to both sanitary and storm services.
S11 & S12	Each catchbasin and lawn drain grate shall have a “fish” symbol.

## SUPPLEMENTARY DETAIL DRAWINGS

### INDEX

#### General

SDG 1	Blank
SDG 2	Sample Service Record Card
SDG 3	Typical Lot Service Connections
SDG 4	Pipe Bedding and Backfill
SDG 5	Precast Reinforced Concrete Barrier for Sidewalk End
SDG 6	Precast Reinforced Concrete Barrier
SDG 7	Typical 5.0 m Walkway for Emergency Access
SDG 8	1.8 m High Chain Link Fence
SDG 9	3.0 m – 1.8 m High Security Double Gate
SDG 10	2.44 m High Security Chain Link Fence
SDG 11	2.44 m High Security Chain Link Gates
SDG 12a	Access Gate Detail (Single Lock)
SDG 12b	Access Gate Detail (Double Lock)
SDG 13	Bollard Detail
SDG 14	Blank
SDG 15	Survey Monument Box Rating H-20
SDG 16	Asphalt Sidewalk (Rural)
SDG 17	Concrete Sidewalk

#### Roads

SDR 1	Urban Cul-De-Sac or “P” Loop Road 7.5 Road – 16.5 m R/W
SDR 2	Urban Limited Local 8.0 m Road – 18 m R/W
SDR 3	Urban Through Local 8.5 m Road – 20 m R/W
SDR 4	Urban Collector 11.0 m Road – 22 m R/W
SDR 5	Blank
SDR 6	Urban Local Half Road
SDR 7	Rural Road 20 m R/W
SDR 8	Rural Half Road
SDR 9	Typical 90° Through Road Elbow
SDR 10	Driveway Crossing Types and Widths
SDR 11	Rural Curb Details
SDR 12	Back of Curb or Sidewalk Drain
SDR 13	Back of Curb Drain Detail (Alternate)

## **Sewers**

SDS 1	Temporary Pavement Patching and Common Trench Installation
SDS 2	Manhole Frame and Cover
SDS 3	Riser Ring
SDS 4	Flow Control Manhole
SDS 5	Blank
SDS 6	Blank
SDS 7	Blank
SDS 8	Outlet Structure
SDS 9	Inlet Structure c/w Grillage
SDS 10	Block
SDS 11	Cast in Place Inlet Structure (max. 300ø pipe)
SDS 12	Blank
SDS 13	Blank
SDS 14	Trash Rack
SDS 15	Sandbag Type Culvert Headwall
SDS 16	Rock Pit
SDS 17	Drainage Drywell
SDS 18	Installation of Drainage Drywell
SDS 19	Swale and French Drain
SDS 20	Swale
SDS 21	Sediment Trap
SDS 22	Silt Fence Detail
SDS 23	Sani-Dump
SDS 24	Manhole for Large Diameter Sewers

## **Water**

SDW 1	Thrust Block Dimensions for Watermains
SDW 2	Rural Fire Hydrant Assembly
SDW 3	Permanent Blow-Off
SDW 4	Nelson Type Lockable Valve Box & Riser
SDW 5	Air Valve Installation
SDW 6	Air and Vacuum Valve Chamber
SDW 7	Water Meter 50 mm ø and under

## **Street Lighting**

SDL1	Street Light Conduit Trench Details
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