# 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:

| | **Supplementary Detail Drawings** | **Standard Detail Drawings in MMCD** |
|---|---|---|
| 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

| Drawing No. | Comment |
|---|---|
| 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 | Temporary Utility Trench Pavement Restoration |
| SDG 2 | Permanent Utility Trench Pavement Restoration |
| 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 | Temporary Lot Siltation Control |
| SDG 15 | Survey Monument Box Rating H-20 |
| SDG 16 | Asphalt Sidewalk (Rural) |
| SDG 17 | Concrete Sidewalk |
| SDG 18 | Temporary Access Pad (Single Family Residential) |
| SDG 19 | Temporary Construction Access |


### 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 | 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 |