



City of Greater Sudbury

Supplemental Drawings

To the Ontario Provincial Standard Drawings

City of Greater Sudbury Standard Drawings

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Notes:

1. **N/A - Denotes Non Applicable Divisions**
2. **OPSD's "not listed" require City approval prior to their use**

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Division 100 – Abbreviations and Signage

The table below shows Division 100 – Abbreviations and Signage.

–	125.040	–	Standard Sign “ Private Road - Not for Public Use ”	A1921
–	125.050	–	Standard Sign “ Future Footpath ”	A1922
–	126.011	–	Rainfall Intensity Duration Curves	A1985
–	127.000	1	Typical Sign Mounting	A2135
–	128.000	–	Standard Sidewalk Stamp	A2200

Division 200 – Grading

The table below shows Division 200 – Grading.

–	206.010	–	Standard Road Section - Rural	A1952
	210.010	–	Tangent Shoulders - Rural	A2655
	210.020	–	Superelevated Shoulders - Rural	A2654
	217.051	–	Maintenance Hole Access Entrance at Ditches	A1949
–	218.010	–	Sodding of Side Slopes	A2019
–	225.010	1	Standard Road Section - Urban	A1924
–	225.030	–	Utility Services - Location Plan	A1923
–	225.040	2	Utility Services - Location Section	A1986

Division 300 – Entrances

The table below shows Division 300 – Entrances.

–	303.020	–	Typical Urban Private Entrance with Boulevard and Sidewalk	A1925
–	310.010	7	Concrete Sidewalk	A1929
–	310.015	3	Monolithic Curb and Concrete Sidewalk	A1945
–	310.018	1	Monolithic Concrete Sidewalk and Retaining Wall	A1931
–	310.030	–	Concrete Sidewalk Ramps at Signalized Intersections	A2490

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The table below shows Division 300 – Entrances continued.

–	310.031	–	Concrete Sidewalk Ramps at Signalized Intersections with Intersecting Crosswalks	A2491
–	310.033	–	Concrete Sidewalk Ramps at Unsignalized Intersections	A2492
–	310.040	1	Utility Isolation in Sidewalks	A1988
–	350.010	3	Urban, Industrial, Commercial, Institutional and Apartment Entrances	A1950
	350.020	–	Urbanized Entrance at Rural Roads	A2660
–	351.010	3	Driveway Entrance Sidewalk Depression	A1951

Division 400 – Frames and Grates

The table below shows Division 400 – Frames and Grates.

–	400.080	–	Catch Basin, Cast Iron, Side Inlet Frame	A2022
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Division 500 – Paving

The table below shows Division 500 – Paving.

–	500.020	1	Cul-De-Sac for Terminated Urban Roadways in Subdivisions	A2013
–	525.010	1	Transition Point Treatment - New Road to Existing Road	A1920
–	561.010	–	Interlocking Concrete Paver Sidewalk on Granular Base	A1946
–	570.010	1	Standard Asphalt Footpath	A1930
–	571.010	–	Steel Stairway	B1139
–	580.010	1	Concrete Parking Meter Base	A1948
–	585.010	–	Typical Traffic Calming Speed Table	A2428-1

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Division 600 – Curbs and Gutters				
The table below shows Division 600 – Curbs and Gutters.				
–	600.010	1	Concrete Barrier Curb with Wide Gutter	A1926
–	600.030	2	Concrete Mountable Curb with Standard Gutter	A1927
–	610.010	2	Concrete Curb and Asphalt Gutter Treatment at Catch Basin	A1933
Division 700 – Catch Basins and Maintenance Holes				
The table below shows Division 700 – Catch Basins and Maintenance Holes.				
–	700.030	3	Cast-in-Place Maintenance Hole or Maintenance Hole Catch Basin Max. Pipe Size 825 mm 1275 mm x 1275 mm Depth - 9.0 m Maximum	A1934
–	700.031	3	Storm Sewer Cast-in-Place Shallow Maintenance Hole or Maintenance Hole Catch Basin Max. Pipe Size 825 mm 1200 mm x 1200 mm Depth - 2.2 m Maximum	A1937
–	700.040	3	Cast-in-Place Maintenance Hole or Maintenance Hole Catch Basin Pipe Dia. from 900 mm to 1200 mm 1800 mm x 1800 mm Depth - 9.0 m Maximum	A1935
–	700.041	3	Cast-in-Place Maintenance Hole or Maintenance Hole Catch Basin For 1350 mm and Larger Pipes	A2016
–	701.017	3	Storm Sewer Precast Shallow Maintenance Hole or Maintenance Hole Catch Basin Max. Pipe Size 825 mm 1200 mm x 1200 mm Depth - 2.2 m Maximum	A1938

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The table below shows Division 700 – Catch Basins and Maintenance Holes continued.				
–	702.040	2	Cast-in-Place Ditch Inlet Maintenance Hole Catch Basin Max. Pipe Size 825 mm 1200 mm x 1200 mm Depth - 4.0 m Maximum	A1939
–	705.011	2	Poured Concrete Catch Basin 600 mm x 600 mm Depth - 4.0 m Maximum	A1932
–	705.021	2	Cast-in-Place Twin Inlet Catch Basin 600 mm x 1450 mm Depth - 4.0 m Maximum	A1936
–	705.025	2	Cast-in-Place Twin Inlet Maintenance Hole Catch Basin 1200 mm x 1650 mm Depth - 3.7 m Maximum	A1940
–	705.035	2	Cast-in-Place Ditch Inlet Catch Basin 600 mm x 600 mm Depth - 4.0 m Maximum	A1941

Division 800 – Culverts and Drains

The table below shows Division 800 – Culverts and Drains.

–	820.010	1	Spacing for Multiple Culvert Installations	A1943
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Division 900 – Fencing, Guide Rails

The table below shows Division 900 – Fencing, Guide Rails.

–	972.120	–	Site Gate Assembly and Details	B1128
–	972.121	–	Landfill Site Entrance Gate	B1131

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Division 1000 – Sanitary Sewer				
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–	1001.030	1	Precast Test Maintenance Hole Sanitary Sewer Service Connection	A1953
–	1001.040	1	Maintenance Access Chamber Sanitary Sewer Service Connection	A2024
–	1003.030	1	Internal Drop Structure for Service for Existing Maintenance Hole	A2017
–	1004.020	–	Dead End Maintenance Hole, Benching Details for Sanitary Service Connections and Outlet	A1919
–	1006.010	–	Sewer Service Connections for Rigid Main Pipe Sewer	A1954
–	1006.020	–	Sewer Service Connections for Flexible Main Pipe Sewer	A1955
–	1006.030	–	Dual Service Connections in a Common Trench (Sewer and Water)	A1956
–	1025.010	2	Standard Vertical Cleanout on a Sanitary Sewer Service	A1957
–	1100.012	4	Cast-in-Place Valve Chamber for 400 mm Diameter Watermain	A1959
–	1100.013	4	Cast-in-Place Valve Chamber for 500 mm Diameter Watermain	A1960
–	1100.014	4	Cast-in-Place Valve Chamber for 600 mm Diameter Watermain	A1961
–	1100.015	4	Cast-in-Place Valve Chamber for 750 mm Diameter Watermain with PVC and DI Pipe	A1962
–	1100.016	2	Cast-in-Place Valve Chamber for 750 mm Diameter Watermain with Concrete Pressure Pipe	A1963
–	1100.017	2	Cast-in-Place Valve Chamber for 900 mm Diameter Watermain with PVC and DI Pipe	A2014

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Division 1100 – Watermains				
The table below shows Division 1100 – Watermains.				
–	1100.018	2	Cast-in-Place Valve Chamber for 900 mm Diameter Watermain with Concrete Pressure Pipe	A2015
–	1100.030	5	Valve and Swab Launching Station	A1964
			Watermain sizes 100 mm to 400 mm	
–	1100.040	2	PVC to PE Pipe Transition and Concrete Anchor Block	A1915
			200 PVC to 250 PE or 250 PVC to 315 PE	
–	1100.041	2	PVC to PE Pipe Transition and Concrete Anchor Block	A1916
			300 PVC to 400 PE	
–	1100.042	2	PVC to PE Pipe Transition and Concrete Anchor Block	A1917
			400 PVC to 500 PE or 500 PVC to 630 PE	
–	1100.043	2	PVC to PE Pipe Transition and Concrete Anchor Block	A1918
			600 PVC to 710 PE	
–	1101.025	2	Sliding Valve Box	A1965
–	1103.030	2	Concrete Thrust Blocks for Tees, Plugs, Horizontal Bends and Dead Ends	A1966
–	1103.040	3	Concrete Thrust Blocks for Vertical Bends	A1967
–	1104.010	6	Water Service Connection Detail in Earth Trench for	A1968
			20 mm to 50 mm Diameter Sizes	
–	1104.011	6	Insulated Duct for Water Service Connection	A1969
			20 mm to 50 mm Diameter Sizes	

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–	1104.020	5	Polyethylene Water Service Connection Detail for 25 mm to 50 mm Diameter Sizes	A1970
–	1105.010	6	Hydrant Installation	A1971
–	1105.030	7	Corrosion Protection on Hydrant Installations	A1972
–	1106.030	2	Steel Casing for Pipe Installation	A1973
–	1107.010	1	Detail of 40 mm or 50 mm Water Meter Installation	A1981
–	1107.040	–	Detail - Water Connection with Meter Spacer up to 25 mm	A1974
–	1110.000	2	Tracer Wire Installation on PVC Watermain and Appurtenances	A2233
–	1115.000	1	Eclipse # 88 Watermain Sampling Station	A2199
–	1125.010	3	Test Stations for Cathodic Protection on Iron Watermains	A1975

Division 1200 – Miscellaneous

The table below shows Division 1200 – Miscellaneous.

–	1225.010	–	Dimensions for Payment of Rock Excavation in Trenches for Sewers, Watermains and Lateral Services	A1976
–	1226.010	–	Horizontal Control of Lateral Sewer and Water Connections in a Common Rock Trench with other Utilities	A1977
–	1227.010	4	Pipe Trench Details, Sanitary Sewers, Storm Sewers, Watermains and Services	A1944
–	1227.020	7	Rock Trench Details Rock Cut/Rock Fill	A2273
–	1228.010	–	Precast Concrete Hand Hole for Traffic Signal Ducts	A1928
–	1229.010	1	Frost Protection for Underground Round Structures	A1979
–	1229.020	–	Frost Protection for Underground Square Structures	A2018
–	1230.010	1	Reinforced Concrete Base for Traffic Signal Poles	A1980

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The table below shows Division 1200 – Miscellaneous continued.				
–	1230.021	1	Unreinforced Concrete Base for 127 mm Diameter Traffic Signal Poles	A2276
–	1230.030	1	Unreinforced Concrete Base for Traffic Controller Cabinet	A2021
–	1231.000	1	Aluminum Traffic Signal Pole for Island, Pedestrian and Controller Cabinet	A2205
–	1231.100	–	Aluminum Traffic Signal Pole	A2204
–	1232.000	–	LED Pedestrian and LED Countdown Signal	A2206
–	1233.000	–	LED Vehicular Signal Head	A2207
–	1234.000	–	LED 5-Section Traffic Signal Displays	A2272