

The City’s infrastructure standards help ensure Barrie’s community is consistently provided with safe, reliable, and quality services. The following index outlines the City’s available Infrastructure Standards.

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Guidelines

Identifier	Name
G200	Development Manual
G200A	Contract Drawing Title Page
G200B	Development General Notes
G201	City of Barrie-SD-1
G202	City of Barrie-SD-2
G203	Digital Information Standard
G208	Unassumed Area Sign
G209	Digital Stamp Tracking Form
G210	Project Info – Data Checklist
G211	2023 Civil 3D Template (Zipped File)
G212	Digital Information Standard Attribute Cheat Sheet
G213	Digital Submission Plugin (Zipped Files and Install Instructions)

Identifier	Name
G214	Digital Information Standard Supporting Information

Right-of-Way

Identifier	Name
R300A	Right-of-Way Infrastructure Standards
R300B	Transportation Impact Study Guidelines
R300C	Approved Products for Roadway Lighting & Traffic Signals Infrastructure
R301	Cross-Section 18.0m Local Road Residential
R302	Cross-Section 20.0m Local Road Industrial
R303	Minor Collector 24.0m Cross Section
R304	Minor Collector 26.0m Cross Section
R305	Major Collector 27.0m Cross Section
R307	Arterial Road 27.0m Cross Section
R308	Arterial Road 29.0m Cross Section
R309	Arterial Road 34.0m Cross Section
R310	Arterial Road 41.0 m Cross Section
R311	Cross-Section 27.0m Rural Road
R312	Cross-Section 36.0m Rural Road
R313	Cross-Section 8.0m Laneway
R314	Cross-Section 12.0m Laneway
R315	Road Subdrain
R316	Sidewalk Ramps at Signalized Intersections with Crosswalks
R317	Sidewalk Ramps at Signalized Intersections
R318	Sidewalk Ramps Unsignalized Intersections
R319	Driveway and Entrance Detail
R320	Boulevard Pathway Pavement Structure

Identifier	Name
R321	Bus Stop Layout
R322	Bus Shelter Pad
R323	Daylighting Requirements
R324	Semi-Urban Intersection (36.0m - 27.0m ROW)
R325	Semi-Urban Intersection (27.0m - 27.0m ROW)
R326	Roundabout Single-Lane
R327	Roundabout Two-Lane
R328	Roundabout Sidewalk Ramps and Bike Lanes
R329	Temporary Residential Cul-de-Sac
R330	Trench Restoration
TB0220	Technical Bulletin Dummy Joints
R331	Roadway Lighting Duct Utility Crossing
R332	Roadway Lighting Duct Paved Area
R333	Electrical Handwell Installation in Slope
R334	Power Supply Pedestal and Concrete Pad
R335	Metal Lighting Pole Base Mounted
R336	Decorative Concrete Pole with Post Top Luminaire
R337	Decorative Concrete Pole Direct Buried (5.5m)
R338	Decorative Concrete Pole with Pendant Luminaire and Scroll Arm
R339	Decorative Concrete Pole Direct Buried (8.4m)
R340	Direct Buried Poles in Slopes
R341	Hydro Supply Detail
R342	Power Supply Pole Mounted Detail
R343	Aerial Power Supply Detail
R344	Power Supply Pedestal Base Mounted
R345	Concrete Lighting Pole Direct Buried
R346	Anchorage Assembly

Identifier	Name
R347	Base Mounted Pole Concrete Footing
R348	Traffic Signal Controller Cabinet Concrete Pad
R349	Traffic Signal Equipment Steel Poles
R350	Traffic Controller Cabinet Wood or Concrete Pole
R351	Temporary Mast Extension and Aerial Attachment
R352	Pedestrian Equipment Traffic Signal Wiring
R353	Optical Pre-Emption Detector Installation
R354	Temporary Pedestrian Signal Stand
R355	Traffic Signal Head Universal Mounting Bracket
R356	Over-Sized Street Name Sign Layout and Mounting on Traffic Signal Mast Arm
R357	Over-Sized Street Name Sign and Mounting on Traffic Signal Mast Arm
R358	Pedestrian Push Button Pole (1.5m) Base Mounted
R359	Pole Foundation Grading
R360	Octagonal Steel Pole Base Mounted
R361	Loop Detection Layout
R362	Over-Sized Street Name Sign Mounting on Span Wire
R363	Cycle Track Pavement Structure
R364	Intersection Major Collector - Major Collector
R365	Bike Signal Equipment on Steel Poles
R366	Cyclist Pushbutton Signs
R367	Intersection Minor Collector – Minor Collector
R368	Intersection Major Collector – Minor Collector
R369	Parking Pay and Display Detail
R370	Steel Bollard Detail

Water

Identifier	Name
W500A	Drinking Water Infrastructure Standard
W500B	Tracer Wire Infrastructure Standard
W500D	Verified Technologies for Drinking Water Systems
W501	Fire Flow Calculator
W502	Water Service Copper 25mm
W503	Water Service Copper 38mm & 50mm
W504	Water Service Cross-Linked Polyethylene 25mm to 50mm
W505	Water Service 100mm to 300mm
W506	Water Service Park Irrigation
W507	Hydrant and Valve
W508	Hydrant Platform
W509	Hydrant Bollard
W510	Watermain Temporary Riser
W511	Valve Stem Extension
W512	Watermain Restraining
W513	Watermain Cul-de-Sac Loop
W514	Watermain Insulation
W515	Water Infrastructure Tracer Wire
W516	Blow Off 50mm
W517	Valve Air Release up to 300mm
W518	Watermain Sanitary Separation
W519	Watermain Storm, Culvert & Ditch Separation
W520	Watermain Support 300mm and Larger

Identifier	Name
W521	Watermain Rail Crossing
W522	Watermain Road Crossing
W523	PRV Chamber Epoxy Coated
W524	Chamber Pre-cast Circular
W525	Chamber Pre-cast Rectangular
W526	Anode Test Station
W527	Anode Thermit Weld
W528	Anode Test Station Wiring
W529	Anode Zinc
W530	Anode Installation
W531	Anode Magnesium
W532	Residential Water Meter Installation Package
W533	Water Meter Installation with By-pass Assembly
W534	Watermain Temporary By-Pass Connection
W535	Watermain Temporary By-Pass Connection from Hydrant
W536	Water Meter Installation Bulk Metering Structure
W537	Service Locations - Residential
W538	Service Locations - ICI
W539	Watermain General Notes
W540	Water Meter Installation 19mm to 25mm General Service

Sanitary

Identifier	Name
S600	Sanitary Infrastructure Standard
S601	Sanitary Design Sheet - Development Detail - Residential
S602	Sanitary Design Sheet – Zoning Designation – Non-Residential

Identifier	Name
S603	Sanitary Design Sheet – Zoning Designation – Residential
S604	Maintenance Hole Inside Drop Service Connection
S605	Maintenance Hole Inside Drop
S606	Maintenance Hole and Catch Basin Grade Adjustment
S607	Sanitary Sewers General Notes

Stormwater

Identifier	Name
D700	Stormwater Infrastructure Standard
D701	Low Impact Development Guideline
D702A	Storm Sewer Design Sheet
D702B	Design Storm Files Appendix I
D703	Lot Grading and Drainage Infrastructure Standard
D704	Lot Drainage Rear to Front
D705	Lot Drainage Split Lot
D706	Lot Drainage Rear Yard Catch Basin
D707	Lot Drainage Upper to Lower
D708	Lot Drainage Side Yard
D709	Lot Drainage Soakaway Pit
D710	Construction Entrance
D711	Siltation Control
D774	Foundation Drain Layout - Alternate 1
D775	Foundation Drain Layout - Alternate 2
D776	Foundation Drain Layout - Preferred
D777	SWM Facility with Maintenance Pipe
D778	SWM Facility without Maintenance Pipe

Identifier	Name
D779	Outlet Structure (Temporary)
D780	SWM Facility Grading
D781	Forebay Dewatering Sump
D782	Outlet Erosion Protection
D783	SWM Facility Warning Sign
D784	Double Catch Basin - 45° Offset
D785	Single Gabion Drop
D786	Granular Erosion Control Device
D787	Sediment Basin and Outlet (Temporary)
D788	Storm Sewers General Notes
TB2301	Technical Bulletin Stormwater Design
TB2101	Technical Bulletin Polypropylene Pipe for Stormwater Systems

Parks

Identifier	Name
P1200	Acoustic Fence
P1201	Acoustic Fence Slope Accommodation
P1202	Acoustic Gate Side Lot
P1203	Acoustic Fence Masonry Column
P1204	Fence Reverse Lot Frontage
P1205	Fence Board on Board
P1206	Fence Overlapping Board
P1207	Fence Board Slope Accommodation
P1208	Fence Non-Residential to Residential
P1209	Fence 1.25m Chain Link
P1210	Fence 1.52m Chain Link

Identifier	Name
P1211	Fence 1.80m Chain Link
P1212	Fence Tennis Court
P1215	Walkway and Barrier
P1216	Gate Vehicular Control
P1217	Bollard Timber
P1230	Sign Tree Removal Notification
P1231	Sign Tree Preservation Area
P1232	Fence Tree Preservation
P1233	Fence Siltation Control
P1234	Tree Protection Limit Right-of-Way
P1235	Tree Preservation Limit Development Approvals
P1236	Tree Hoarding Right-of-Way
P1237	Sign Site Alteration Notification
P1250	Tennis Court Layout
P1251	Tennis Court Surface and Net Posts
P1255	Softball Field Infield Layout with Backstop and Fencing
P1256	Softball Field Layout
P1257	Softball Field Grading
P1258	Softball Field Backstop
P1260	Baseball Field Infield Layout with Backstop and Fencing
P1261	Baseball Field Layout
P1262	Baseball Field Grading
P1263	Baseball Field Backstop
P1264	Baseball Field Pitching Mound and Infield Mix
P1270	Play Area and Walkway
P1271	Play Area Curb and Drainage
P1272	Park Walkway with Centre Crown

Identifier	Name
P1273	Park Walkway with Cross Slope
P1274	Trail and Pathway Construction Matrix
P1285	Pipe Wire Trenching For Irrigation
P1286	Manual Drain Installation for Irrigation
P1291	Basketball Full Court
P1292	Basketball Court Profile
P1293	Basketball Net Assembly Installation
P1294	Basketball Half Court
P1300	Sign Park Name
P1301	Sign Park Safety & Regulations
P1302	Sign Future Open Space/Park Block
P1310	Deciduous Tree Planting
P1311	Deciduous Tree Slope Planting
P1312	Coniferous Tree Planting
P1313	Coniferous Tree Slope Planting
P1314	Container Grown Shrub Planting
P1315	Tree Street Layout
P1317	Tree Live Staking
P1318	Stormwater Planting Zone Composition
P1320	Notes Park Planting
P1321	Notes Streetscape Boulevard Tree Planting
P1350	Park Walkway Lighting Assembly and Ductbank
P1351	Park Walkway Morality Lighting Electrical Pedestal
P1360	Streetscape Pavingstone