

Regional Municipality of Halton



AMENDMENTS TO THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD)

NOTE:

These amendments apply to and are to be read in conjunction with the latest Ontario Provincial Standard Specifications & Drawings.



Tracking Changes to OPSD Amendments

Cancelled/Removed	Revised/New	Remarks/Comments
Release of OPSD – November 2018		
Fencing, Guiderails OPSD 913.130		<ul style="list-style-type: none">Removed in 2018
Sanitary Sewers, Manholes and Catch basins OPSD 1006.020		<ul style="list-style-type: none">Removed in 2016. Not Required
Frames and Grates OPSD 405.020		<ul style="list-style-type: none">This amendment is removed by Region in June 2020.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
ABBREVIATIONS	OPSD 100.010 to OPSD 100.060	1. Halton Region's "A Guide for the Production of Engineering Contract Drawings" takes precedence over the abbreviations in this section.
	OPSD 101.010 to OPSD 104.010	1. Additional requirements to be found in Halton Region's "A Guide for the Production of Engineering Contract Drawings".
LIGHT DUTY BARRIERS	OPSD 219.100 OPSD 219.110	1. Not permitted in Halton Region
HEAVY DUTY SILT FENCE BARRIERS	OPSD 219.130	1. Not permitted in Halton Region. Refer to RH 200.040
SITE ENTRANCES	OPSD 301.010 to OPSD 301.030	1. Halton Region requires a 10 m radius on farm entrances.
CONCRETE SIDEWALK	OPSD 310.010 to OPSD 310.020	1. Dummy joints are not permitted in the Region of Halton. All contraction joints shall be saw cut
FRAMES AND GRATES	OPSD 400.001 to OPSD 400.081	1. Not permitted in Halton Region.
	OPSD 400.090	1. Permitted only for retrofitting existing catchbasins. 2. The word "SAN", "STORM", or "WATER" to be cast into lid in addition to "DANGER". The minimum letter size shall be 75 mm (3 inches) in height.
	OPSD 400.100 to OPSD 400.110	1. Not permitted for uses on Regional Roads.
	OPSD 401.010	1. The word "SAN", "STORM", or "WATER" to be cast into lid in addition to "DANGER". The minimum letter size shall be 75 mm (3 inches) in height.
	OPSD 401.020	1. Not permitted in Halton Region.
	OPSD 401.030	1. The word "SAN", "STORM", or "WATER" to be cast into lid in addition to "DANGER". The minimum letter size shall be 75 mm (3 inches) in height.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
	OPSD 401.040 to OPSD 401.050	1. Not permitted in Halton Region.
	OPSD 401.060	1. The word "SAN", "STORM", or "WATER" to be cast into lid in addition to "DANGER". The minimum letter size shall be 75 mm (3 inches) in height.
	OPSD 402.010 to OPSD 402.021	1. Not permitted in Halton Region.
	OPSD 402.030	1. Not permitted in Halton Region. Refer to RH 405.010
	OPSD 404.010 to OPSD 404.022	1. Not permitted in Halton Region.
	OPSD 405.010	1. Not permitted in Halton Region.
	OPSD 406.010	1. Not permitted in Halton Region.
CURBS AND GUTTERS	OPSD 600.070 to OPSD 600.090	1. Not permitted in Halton Region.
	OPSD 600.110	1. Not permitted in Halton Region.
CATCHBASINS AND MANHOLES	OPSD 701.010 to OPSD 701.015	1. In all wastewater manholes, benching is to be to obvert of pipe. 2. Safety platforms are not allowed in Halton Region
	OPSD 701.021	1. In all wastewater manholes, benching is to be to obvert of pipe. 2. Maximum size hole in wall chart shall apply to both pre-cast and cast-in-place riser sections.
	OPSD 704.010 to OPSD 704.011	1. Total depth of manhole adjustment units is to be a minimum 150 mm to 300 mm maximum.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
CULVERTS AND DRAINS	OPSD 802.010 to OPSD 802.054	<ol style="list-style-type: none"> 1. Cover material to be 300 mm Granular "A" with compaction at 95% S.P.D. 2. When using Unshrinkable backfill, the fill is placed on top of cover material.
SANITARY SEWERS, MANHOLES AND CATCHBASINS	OPSD 1003.010	<ol style="list-style-type: none"> 1. Tee drop structures are not permitted in Halton Region.
	OPSD 1003.020	<ol style="list-style-type: none"> 1. In all wastewater manholes, benching is to be to obvert of pipe. 2. Obvert of the drop pipe to meet obvert of the receiving sewer. 3. Unshrinkable fill is to be used instead of concrete. 4. Note 2 does not apply.
	OPSD 1003.030 to OPSD 1003.031	<ol style="list-style-type: none"> 1. Permitted only when pre-approved by Halton Region.
	OPSD 1006.010	<ol style="list-style-type: none"> 1. Backfill around riser shall be 25 mm maximum size clear stone or unshrinkable fill. 2. Bedding as specified to be as per OPSD 802.030, 802.031, 802.032 and 802.033.
WATERMAINS	OPSD 1100.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	OPSD 1100.011	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	OPSD 1101.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	OPSD 1101.020	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	OPSD 1103.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	OPSD 1103.020 OPSD 1103.021	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
WATERMAINS Cont'd	OPSD 1104.010	<ol style="list-style-type: none"> 1. Plastic services are not permitted in Halton Region. Note 1 does not apply. 2. The minimum cover to water service at property line to be 1.7 m. 3. Bedding to be Granular "A" – 19mm Crusher Run Limestone 4. Soldered joints are not allowed before the meter or between the watermain and the curb stop. 5. Service rod and cotter pin are to be stainless steel. 6. In areas of high water or wet sand the curb stop and box must be wrapped with a geotextile to 300 mm above the connection.
	OPSD 1104.020	<ol style="list-style-type: none"> 1. Minimum cover to water service at property line to be 1.7 m. 2. Bedding to be Granular "A" – 19mm Crusher Run Limestone 3. In areas of high water or wet sand the curb stop and box must be wrapped with a geotextile to 300 mm above the connection. 4. Larger service box (Buffalo Box) is only allowable service box. 5. Soldered joints are not allowed before the meter or between the watermain and the curb stop. 6. Service rod and cotter pin are to be stainless steel. 7. Concrete support block required under main stop.
	OPSD 1104.030	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	OPSD 1105.010	<ol style="list-style-type: none"> 1. A hydrant anchor tee with the 150 mm mechanical joint secondary gate valve bolted to the anchor tee is required. 2. All joints are to be mechanical restrained for the entire length of the hydrant lateral 3. Concrete thrust blocks not permitted in Halton. Note 1 & Note A do not apply. 4. Clear stone bedding is to be used for the entire lateral trench. 5. Distance from finished grade to ground flange to be 0 to 50 mm. 6. Ground flange to barrel valve must be 1.7 m. 7. Hydrant extensions must be made from the bottom of the hydrant, at the boot, as to not affect the length of the operating rod.
	OPSD 1107.010 to OPSD	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.



AMENDMENTS TO THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD)

SECTION	OPSD No.	REVISIONS OR ADDITIONS
WATERMAINS Cont'd	1107.030	
	OPSD 1108.010	1. Not permitted in Halton Region.
CATHODIC PROTECTION	OPSD 1109.010 to OPSD 1109.011	1. 10 gauge copper wire must be used 2. For any junction made in the service pipe between main stop and curb stop, couplings will NOT be permitted unless the service length exceeds 20 m. An anode shall be installed on each length separated by a coupling.
WATERPROOFING OF SPLICES	OPSD 1109.025	1. To be used for splicing of tracer wire where permitted.