



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 Drawings & Specifications.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
ABBREVIATIONS	100.010 to 100.060	1. Halton Region's "A Guide for the Production of Engineering Contract Drawings" take precedence over the abbreviations in this section.
	101.010 to 104.010	1. Additional requirements to be found in Halton Region's "A Guide for the Production of Engineering Contract Drawings".
LIGHT DUTY BARRIERS	219.100 219.110	1. Not permitted in Halton Region
HEAVY DUTY SILT FENCE BARRIERS	219.130	1. Not permitted in Halton Region. Refer to RH 200.040
SITE ENTRANCES	301.010 to 301.030	1. Halton Region requires a 10 m radius on farm entrances.
CONCRETE SIDEWALK	310.010 to 310.020	1. Dummy joints are not permitted in the Region of Halton. All contraction joints shall be saw cut
FRAMES AND GRATES	400.001 to 400.081	1. Not permitted in Halton Region.
	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.
	400.100 to 400.110	1. Not permitted for uses on Regional Roads.
	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.
	401.020	1. Not permitted in Halton Region.
	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.
	401.040 to 401.050	1. Not permitted in Halton Region.
	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.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
FRAMES AND GRATES Cont'd	402.010 to 402.021	1. Not permitted in Halton Region.
	402.030	1. Not permitted in Halton Region. Refer to RH 405.010
	404.010 to 404.022	1. Not permitted in Halton Region.
	405.010	1. Not permitted in Halton Region.
	406.010	1. Not permitted in Halton Region.
CURBS AND GUTTERS	600.070 to 600.090	1. Not permitted in Halton Region.
	600.110	1. Not permitted in Halton Region.
CATCHBASINS AND MANHOLES	701.010 to 701.015	1. In all wastewater manholes, benching is to be to obvert of pipe. 2. Safety platforms are not allowed in Halton Region
	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.
	704.010 to 704.011	1. Total depth of manhole adjustment units is to be a minimum 150 mm to 300 mm maximum.
CULVERTS AND DRAINS	802.010 to 802.054	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.
FENCING, GUIDERAILS	913.130	1. Not permitted in Halton Region.
SANITARY SEWERS, MANHOLES AND CATCHBASINS	1003.010	1. Tee drop structures are not permitted in Halton Region.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
SANITARY SEWERS, MANHOLES AND CATCHBASINS Cont'd	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.
	1003.030 to 1003.031	<ol style="list-style-type: none"> 1. Permitted only when pre-approved by Halton Region.
	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.
	1006.020	<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 802.010, 802.013 and 802.014.
WATERMAINS	1100.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	1100.011	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	1101.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	1101.020	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	1103.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	1103.020 1103.021	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	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.

SECTION	OPSD No.	REVISIONS OR ADDITIONS
WATERMAINS Cont'd	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.
	1104.030	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	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.
	1107.010 to 1107.030	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
	1108.010	<ol style="list-style-type: none"> 1. Not permitted in Halton Region.
CATHODIC PROTECTION	1109.010 to 1109.011	<ol style="list-style-type: none"> 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	1109.025	<ol style="list-style-type: none"> 1. To be used for splicing of tracer wire where permitted.

Tracking Changes to OPSD Amendments

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