

TYPICAL SIDEWALK SECTION

SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. THE MAXIMUM SLOPE IS NOT TO EXCEED 1%.
3. FOR CURB RAMP SLOPE OF 2% TO 1% MAXIMUM.
4. EXPANSION AND DUMMY JOINTS AS PER SECS.
5. COMPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP IS 70 TO 80 mm AND FOR PRIVATE ENTRANCES 9 TO 20mm.

Ottawa MONOLITHIC CONCRETE CURB AND SIDEWALK DATE: MAY 2001
REV: MARCH 2016
DWG. NO.: SC2

PLAN SIDEWALK 2.5m WIDE AND OVER

PLAN SIDEWALK LESS THAN 2.5m WIDE

EXPANSION JOINT PROFILE

DUMMY JOINT PROFILE

NOTES:
1. EXPANSION JOINTS IN SIDEWALK SHALL BE IN LINE WITH EXPANSION JOINTS IN CURB.
2. COMPRESSED CURB HEIGHT SHALL BE 70 TO 80 mm FOR PEDESTRIAN CURB RAMP AND 9 TO 20 mm FOR PRIVATE ENTRANCES.
3. THE EXPANSION JOINTS SHALL BE 4m MAXIMUM AND THE EXPANSION JOINTS SHALL BE 2m MAXIMUM.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 2m SPACING.
6. FOR COMPRESSED CURB AT ENTRANCES USE 20.
7. COMPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP IS 70 TO 80 mm AND FOR PRIVATE ENTRANCES 9 TO 20mm.

Ottawa SIDEWALK CONSTRUCTION JOINTS DATE: MAY 2001
REV: MARCH 2016
DWG. NO.: SC5

CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)

NOTES:
1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSION CROSSING.
2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
3. AN EXTENSION CURBING MAY BE USED.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 2m SPACING.
6. FOR COMPRESSED CURB AT ENTRANCES USE 20.
7. COMPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP IS 70 TO 80 mm AND FOR PRIVATE ENTRANCES 9 TO 20mm.

Ottawa CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110) DATE: JANUARY 2010
REV: MARCH 2014
DWG. NO.: SC1.1

STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. FOR PATCHES WITH A WIDTH OF 1.0m TO 1.5m, THE TOP OF CURB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED 100mm FROM THE EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE HORIZONTAL CENTERLINE DIAMETERS TO THE PIPE DIAMETER AND CORRECT WITH APPROVED RECOMMENDED CONNECTIONS.
4. FOR PATCHES WITH A WIDTH OF 1.5m TO 2.0m, THE TOP OF CURB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED 100mm FROM THE EDGE OF PAVEMENT.
5. WHEN NON PERFORATED PIPE IS USED, MATCH THE HORIZONTAL CENTERLINE DIAMETERS TO THE PIPE DIAMETER AND CORRECT WITH APPROVED RECOMMENDED CONNECTIONS.
6. FOR PATCHES WITH A WIDTH OF 2.0m TO 3.0m, THE TOP OF CURB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED 100mm FROM THE EDGE OF PAVEMENT.
7. WHEN NON PERFORATED PIPE IS USED, MATCH THE HORIZONTAL CENTERLINE DIAMETERS TO THE PIPE DIAMETER AND CORRECT WITH APPROVED RECOMMENDED CONNECTIONS.

Ottawa STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE DATE: MAY 2001
REV: MARCH 2017
DWG. NO.: R10

CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. FOR PATCHES WITH A WIDTH OF 1.0m TO 1.5m, THE TOP OF CURB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED 100mm FROM THE EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE HORIZONTAL CENTERLINE DIAMETERS TO THE PIPE DIAMETER AND CORRECT WITH APPROVED RECOMMENDED CONNECTIONS.
4. FOR PATCHES WITH A WIDTH OF 1.5m TO 2.0m, THE TOP OF CURB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED 100mm FROM THE EDGE OF PAVEMENT.
5. WHEN NON PERFORATED PIPE IS USED, MATCH THE HORIZONTAL CENTERLINE DIAMETERS TO THE PIPE DIAMETER AND CORRECT WITH APPROVED RECOMMENDED CONNECTIONS.
6. FOR PATCHES WITH A WIDTH OF 2.0m TO 3.0m, THE TOP OF CURB SHALL BE MIN. 50mm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED 100mm FROM THE EDGE OF PAVEMENT.
7. WHEN NON PERFORATED PIPE IS USED, MATCH THE HORIZONTAL CENTERLINE DIAMETERS TO THE PIPE DIAMETER AND CORRECT WITH APPROVED RECOMMENDED CONNECTIONS.

Ottawa CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS DATE: MARCH 2007
REV: MARCH 2015
DWG. NO.: S31

VORTEX ICD INSTALLATION

NOTES:
1. VORTEX ICD IS USED TO RESTRICT FLOW BELOW THE 1/2" DIA. ORBITAL DISTRIBUTION AND TO PREVENT FLOW FROM EXCEEDING THE 1/2" DIA. ORBITAL DISTRIBUTION.
2. CURVES ARE AVAILABLE FROM THE MANUFACTURER. SEE SEE 16 FOR APPROVED PRODUCTS.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

Ottawa VORTEX ICD INSTALLATION DATE: MARCH 2008
REV: MARCH 2019
DWG. NO.: S4.1

SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010)

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. APPROVED OUT-TIN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.
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Ottawa SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010) DATE: MARCH 2011
REV: MARCH 2014
DWG. NO.: S11

SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE USING BELL END INSERT METHOD

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. APPROVED OUT-TIN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.
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Ottawa SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE USING BELL END INSERT METHOD DATE: MARCH 2011
REV: MARCH 2014
DWG. NO.: S11.2

SEWER SERVICE ABANDONMENT BENEATH PAVEMENT

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
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Ottawa SEWER SERVICE ABANDONMENT BENEATH PAVEMENT DATE: MARCH 2011
REV: MARCH 2014
DWG. NO.: S11.4

WASTEWATER SAMPLING/INSPECTION CHAMBER (EXCEPTION BASIS ONLY)

NOTES:
1. USE IS SUBJECT TO THE APPROVAL OF THE SEWER USE AND COMPLIANCE SECTION. INTENDED FOR APPLICATION WHERE SPACE IS LIMITED FOR THE STANDARD WASTEWATER SAMPLING CHAMBER.
2. TO PREVENT ADHERING DEBRIS, STAINLESS STEEL SHALL BE ONE PLY PVC AND WRAPPED IN POLY OR OTHER DURABLE MATERIAL.
3. FOR CHAMBERS LOCATED IN GRASSED AREAS, COVER SHALL BE GRASSED WATERPROOF GREEN IN COLOR, FLOUGH, FLOUGH OR EQUIVALENT SURFACE FINISH TO MATCH SURROUNDING PAVEMENT.
4. FOR STAIRS LOCATED IN PAVED AREAS USE A SUITABLE COVER.
5. SEE M2-21.18 FOR APPROVED PRODUCTS.

Ottawa WASTEWATER SAMPLING/INSPECTION CHAMBER (EXCEPTION BASIS ONLY) DATE: MARCH 2011
REV: MARCH 2014
DWG. NO.: S18.1

CONCRETE THRUST BLOCKS FOR PVC AND DI PIPE 400mm AND UNDER

NOTES:
1. CONCRETE SHALL BE PLACED TO WITHIN 50mm OF FACE OF THE BELL.
2. IRON BARRIER TO BE USED BETWEEN CONCRETE AND FITTING.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
4. REFER TO W25.3 FOR ADDITIONAL REQUIREMENTS.
5. THRUST BLOCKS SHALL BE 200mm CONCRETE AND 100mm SAND OR GRAVEL UNLESS OTHERWISE SHOWN.
6. UNLESS OTHERWISE SPECIFIED BY THE CONTRACT ADMINISTRATOR, THE BLOCK SHALL BE PLACED ON THE BELL OR THE BELL AND SHALL ALSO PARTIALLY ENCASE THE FITTING TO DISTRIBUTE THE FORCE.
7. THE BELLS OF THE CURB SHALL BE WITHIN 50mm FROM THE BELL OR THE BELL AND SHALL ALSO PARTIALLY ENCASE THE FITTING TO DISTRIBUTE THE FORCE.
8. THE CONCRETE WHERE POSSIBLE SHALL BE PLACED AGAINST UNDISTURBED SOIL AT THE BOTTOM AND SIDE OF THE TRENCH WHERE THRUST BLOCKS CAN NOT BE PLACED TO UNDISTURBED SOIL.
9. WHERE IT WOULD CONFLICT WITH EXISTING OR FUTURE INFRASTRUCTURE, THE THRUST BLOCK SHALL BE PLACED TO A PROPOSED CONCRETE THRUST BLOCK SUPPLIER AS SHOWN ON THE DRAWING.
10. THE TOP OF THE CURB SHALL BE 100mm ABOVE THE FINISHED GRADE UNLESS OTHERWISE SPECIFIED.
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15. THE TOP OF THE CURB SHALL BE 100mm ABOVE THE FINISHED GRADE UNLESS OTHERWISE SPECIFIED.

Ottawa CONCRETE THRUST BLOCKS FOR PVC AND DI PIPE 400mm AND UNDER DATE: MAY 2001
REV: MARCH 2012
DWG. NO.: W25.3

THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER

1. SOIL DESCRIPTION: VERY FINE SANDS, SANDY CLAYS, CLAYS.
SOILS WITH TYPICAL BEARING STRENGTH OF 100 TO 199 kPa

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	250	250	200	200
152	400	400	250	200
203	550	550	300	400
254	650	650	400	500
305	800	800	450	650
406	1000	1000	600	850

2. SOIL DESCRIPTION: SILT, SAND, GRAVELS OR CLAYEY SAND GRAVEL WITH MODERATE AMOUNT OF FINES.
SOILS WITH TYPICAL BEARING STRENGTH OF 200 TO 299 kPa

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	200	200	200	200
152	250	250	200	200
203	350	350	200	270
254	450	450	200	290
305	500	500	300	350
406	750	750	400	600

3. SOIL DESCRIPTION: SANDS, GRAVELS AND GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.
SOILS WITH TYPICAL BEARING STRENGTH OF 300 kPa AND OVER

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	100	100	100	100
152	200	200	200	200
203	300	300	200	290
254	400	400	200	270
305	450	450	300	300
406	650	650	300	450

Ottawa THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER DATE: MAY 2001
REV: MARCH 2011
DWG. NO.: W25.4

SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. APPROVED OUT-TIN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.
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Ottawa SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN DATE: MAY 2001
REV: MARCH 2011
DWG. NO.: S30

SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN

NOTES:
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Ottawa SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN DATE: MAY 2001
REV: MARCH 2011
DWG. NO.: W29

SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN

NOTES:
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Ottawa SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN DATE: MAY 2001
REV: MARCH 2011
DWG. NO.: W29.1

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Client/Project
REZY PROPERTIES INC.

CENTRETOWN
283-285 MCLEOD STREET
OTTAWA, ON, CANADA

Title
DETAIL SHEET

Project No.	Scale
16401782	

Drawing No.	Sheet	Revision
DS-1	7 of 7	3