

SECTION 7.5.2 MAY 2025

WAT	TER SYSTEM				
	GIS Revision Tracking Point	RS	Water Rechlorination Station	Water	Hydrants
PT	Pressure Tank	Water	Fittings	-	Hydrant
OAVC	Air and Vacuum Valve		Adaptor	(4)	Hydrant, Out of Service
OARV		_	Bend	-O-PVT	Private Hydrant
ALT	Altitude Valve	=	Blind Flange	Other	Water Service Features
0	Ball Valve	П	Сар	•	Water Service Point
	Butterfly Valve	\blacktriangle	Chamber Flow Arrow	*	Leaks and Breaks
os	Butterfly Valve Operator Side	rvT	Chamber Vent	Water F	Pumps
Ζţ	Check Valve)(Coupling		Domestic Pump
○ cs	Corporation Stop	Ĥ	Cross	F	Fire Pump
○ cc	Curb Stop		Denso Tape	Water	Pipes
\bigcirc DRN	Drain Valve		Link Seal on a Pipe Sleeve		Drain
\otimes	Gate Valve	¥	M.J. Restraint Device		Distribution Main
\bigcirc GLV	Globe Valve		Non-shrink Fill on a Pipe Sleeve	_	Transmission Main
\otimes	Hydrant Valve		Plug		Private Drain
PRV	Pressure Reducing Valve	A	Reducer		Private Distribution Main
$_{\bigcirc}$ SRV	Service Valve	î	Sleeve	_	Private Transmission Main
	Surge Relief Valve	•	Strainer		Unknown Pipe
ARV	Private Air Release Valve	Ξ	Tapping Sleeve		Service Lateral
AVC	Private Air and Vacuum Valve	С	Tee		Hydrant Lead
OALT	Private Altitude Valve	TM	Test Meter Pit		Private Service Lateral
0	Private Ball Valve	I	Victaulic Coupling		Private Hydrant Lead
	Private Butterfly Valve	=	Wye		Unknown Lateral
os	Private Butterfly Valve Operator Side	=	Wye Left		Pipe Mask
Zt	Private Check Valve	<u></u>	Wye Right	Water	Pipe Protection
○ CS	Private Corporation Stop	Water	Structure Points		Concrete Slab
○ CC	Private Curb Stop	UK	Unknown Water Structure Point	7777	Styrofoam Insulation
ODRN	Private Drain Valve	\bigcirc	Booster Station		Pre-Insulated External Wrap - Buried
⊗	Private Gate Valve				Pre-Insulated External Wrap - Above Ground
GLV	Private Globe Valve		Water Supply Plant		Casing Pipe - Buried
⊗	Private Hydrant Valve	ARV	ARV Chamber	XXX	Casing Pipe - Above Ground
PRV	Private Pressure Reducing Valve	CTR	Control Chamber		Pipe Protection Unknown
SRV	Private Service Valve	DRN	Drain Chamber		Pipe Protection Other
SUR	Private Surge Relief Valve	GEN	General Chamber		Pipe Protection - Temp
0	Unknown FCODE	MTR	Meter Chamber	Water	Pipe Cleaning and Lining
_	Water Valves	PRV	PRV Chamber		Cleaning and Lining
O	Closed	RSV	Reservoir Chamber		Cleaned Pipe
O	Temporarily Closed	SRC	Surge Relief Chamber	Water	System Structure Polygons
•	Isolation Valve	■ IBF	Water Intake Structure - In Bank Filtration		Booster Station
\bigcirc	Private Isolation Valve	IS	Water Intake Structure - Intake Structure		Reservoir
7	Backflow Preventer	• LL	Water Intake Structure - Low Lift		Water Intake Structure
	Flowmeter	TS	Water Intake Structure - Travelling Screen		Chamber
wos	Water Quality Station	WELL	Water Intake Structure - Well		Water Supply Plant
WQI	•		Water Bulk Fill Station Points		Unknown Water Structure
•	Water Quality Instrument	WR	Water Reservoir		Water Bulk Fill Station Polygons



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WASTEWATER COLLECTION SYSTEM					
818 818	GIS Revision Tracking Point	⇒	Wye	PRV	Pressure Release Valve
Vastewa	ater Manholes and Outfalls	F VT	Vent	SUR	Surge Relief Valve
	Public Manhole	•	Service Point		Valve
	Private Manhole	+	Legacy Service Point		
Vastewa	ater Chambers	TS	Cathodic Protection Test Station		Collection System Spot Repair
\square	Wastewater Diversion Chamber	X	Control Structure	(WW)	Sewer Pump
	Wastewater Diversion Point	*	Identified Deficiency (Pipes/Laterals)	1	·
FM VL	Wastewater Force Main Valve Chamber		Tracewire Access Point		Treatment Facility
JNC	Wastewater Junction Chamber		Force Main Flow Meter	=====	Casing
	Wastewater Pre-Treatment Unit	Ť			Lining
PUMP	Wastewater Pump Chamber	•	Gravity Flow Meter		Tracewire
	Wastewater Regulating Chamber	-	Gravity Flow Meter - Removed		Vent Line
	Wastewater Storage Basin	○ CS	Wastewater Corp Stop		CCTV Televised Main
T	Wastewater Tide Chamber	○ CC	Wastewater Curb Stop		CCTV Televised Lateral
V	Wastewater Vortex Chamber	Wastewa	ater Pumping Stations	Wastewa	ater Insulation
Å	Outfall		Public Pumping Station		Concrete Slab
V astewa	ater Fittings		Private Pumping Station		Pre-Insulated Pipe
_	Bend	Mastawa		1111111	Styrofoam Sheet
П	Сар		ater Holding Tanks		ater Pipes
⊕ CO	Cleanout		Heat Recovery Tank	FM>-	Public Force Main
)(Coupling		Holding Tank	GP≯-	Public Gravity Pressure Pipe
T	Eccentric Reducer	OF	Overflow Tank	PP≯-	Public Pressure Pipe
)(Flexible Coupling		ater Valves	·IS≯-	Public Inverted Siphon
i i	Flex Joint	○ARV	Air Release Valve	\rightarrow	Public Pipe
Ŷ	Grouted Connection	ALT	Altitude Valve	FM>-	Private Force Main
	Long Radius Bend		Butterfly Valve	GP>-	Private Gravity Pressure Pipe
¥	Mechanical Joint Restraint	©	Ball Valve	PP>-	Private Pressure Pipe
**	Reducer		Cone Valve	IS)	Private Inverted Siphon
ī	Saddle	Zt	Check Valve	-> -	Private Pipe
=	Тар	ODRN	Drain Valve		Public Lateral
Ē	Tee	8	Gate Valve		Private Lateral
_	iee	•	Plug Valve		Wastewater Structure Polygon



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STORMWATER COLLECTION SYSTEM

Stormwater Manholes Public Manhole Private Manhole

Stormwater Inlets

Public Double Catchbasin Public Triple Catchbasin

Private Catchbasin

Private Double Catchbasin Private Triple Catchbasin

Stormwater Headwalls and Outfalls

Headwall . △. Outfall

Stormwater Fittings

Bend Cap Cleanout $\|$ Coupling

Eccentric Reducer Flexible Coupling

: Flex Joint

Grouted Connection

Long Radius Bend

Mechanical Joint Restraint

Reducer Saddle Tap

Tee

Wye

Stormwater Chambers

Stormwater Diversion Chamber \bigvee Stormwater Diversion Point

Stormwater Force Main Valve Chamber

JNC Stormwater Junction Chamber

Stormwater Pump Chamber

Stormwater Regulating Chamber

Stormwater Storage Basin T

Stormwater Tide Chamber Stormwater Treatment Unit

Private Stormwater Treatment Unit

Stormwater Vortex Chamber (V)

Other Chamber

Service Point Control Structure

Stormwater Valves

 \bigcirc ARV Air Release Valve

 \bigcirc ALT Altitude Valve **Butterfly Valve**

Ball Valve

Cone Valve

Check Valve 71

○DRN Drain Valve

Plug Valve

 \bigcirc PRV Pressure Release Valve

Gate Valve

 \bigcirc SUR Surge Relief Valve

Valve

Stormwater Management Structures



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Berm



Constructed Wetland



Private Constructed Wetland



Lake



Oversize Pipe

Private Lake



Private Oversize Pipe



Underground Storage



Private Underground Storage



Wet Pond



Private Wet Pond



Dry Pond



Private Dry Pond

 \bigcirc

Unknown



Private Unknown

 $\langle \bullet \rangle$

Other (See Remarks)

①

Private Other (See Remarks)

 $\hat{\bullet}$ Other (No Remarks) Identified Deficiency (Pipes/Laterals) Force Main Flow Meter **Gravity Flow Meter**

Gravity Flow Meter - Removed

o cs Stormwater Corp Stop Stormwater Curb Stop

Stormwater Pumping Stations

Public Pumping Station

Private Pumping Station

Casing

Lining Ditch

CCTV Televised Main **CCTV Televised Lateral**

Stormwater Insulation

Concrete Slab \overline{m} Pre-Insulated Pipe \overline{m} Styrofoam Sheet

Stormwater Pipes

Public Catchbasin Lead Public Culvert Public Drain

FM>· Public Force Main Public Gravity Pressure Pipe GP>

Public Pressure Pipe PP>. Public Inverted Siphon 1S>

Public Pipe

Private Catchbasin Lead

-Private Culvert Private Drain

FM> Private Force Main **GP** Private Gravity Pressure Pipe

PP Private Pressure Pipe

Private Inverted Siphon **45** Private Pipe

Public Lateral Private Lateral

Stormwater Structure Polygon



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COMBINED COLLECTION SYSTEM

CON	DINED COLLEGI	1011 5	O I LIVI		
Combin	ed Manholes and Outfalls		Private Pumping Station	ODRN	Drain Valve
Ш	Public Manhole		Control Structure	8	Gate Valve
П	Private Manhole	_	Identified Deficiency (Pipes/	•	Plug Valve
᠘	Outfall	X	Laterals)	PRV	Pressure Release Valve
П	Combined Sewer Overflow (CSO) Structure	•	Force Main Flow Meter	SUR	Surge Relief Valve
Combin	ed Fitting	•	Gravity Flow Meter		Valve
_	Bend	4	Gravity Flow Meter - Removed	=====	Casing
п	Сар	000	•		Lining
€ CO	Cleanout	⊖ CS	Combined Corp Stop		CCTV Televised Main
)(Coupling	○ CC	Combined Curb Stop		CCTV Televised Laterals
T	Eccentric Reducer	Combine	ed Chambers	Insulatio	n
)(Flexible Coupling		Combined Diversion Chamber		Concrete Slab
	Flex Joint		Combined Diversion Point	<u> </u>	Pre-Insulated Pipe
Ŷ	Grouted Connection	FM VL	Combined Force Main Valve Chamber	<i></i>	Styrofoam Sheet
	Long Radius Bend	JNC	Combined Junction Chamber	Combine	ed Pipes
并	Mechanical Joint Restraint	PUMP	Combined Pump Chamber	FM▶-	Public Force Main
À	Reducer		Combined Regulating Chamber	GP≫-	Public Gravity Pressure Pipe
	Saddle		Combined Storage Basin	PP≫-	Public Pressure Pipe
=	Тар	T	Combined Tide Chamber	·IS≯-	Public Inverted Siphon
-	Tee	V	Combined Vortex Chamber	\rightarrow	Public Pipe
1	Wye	_	ed Valves	FM>-	Private Force Main
Combin	ed Holding Tanks	○ ARV	Air Release Valve	GP>-	Private Gravity Pressure Pipe
	Heat Recovery Tank	OALT	Altitude Valve	PP>-	Private Pressure Pipe
	·		Butterfly Valve	IS>-	Private Inverted Siphon
	Holding Tank	©	Ball Valve	>-	Private Pipe
OF .	Overflow Tank		Cone Valve		Public Lateral
	d Pumping Stations	Z†	Check Valve		Private Lateral
<u>ك</u>	Public Pumping Station	<u></u> 1	Chock valvo		Combined Structure Polygon
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UNKNOWN COLLECTION SYSTEM

Unknown Manholes		•	Service Point	1	Plug Valve
	Public Manhole	TS	Cathodic Protection Test Station	○PRV	Pressure Release Valve
	Private Manhole		Control Structure	SUR	Surge Relief Valve
Unknown	Headwalls and Outfalls	*	Identified Deficiency (Pipes/Laterals)	•	Valve
\rightarrow	Headwall	-	Force Main Flow Meter	=====	Casing
▲	Outfall	Y			Lining
Unknown	Fittings	+	Gravity Flow Meter		CCTV Televised Main
_	Bend	-	Gravity Flow Meter - Removed		CCTV Televised Lateral
П	Cap	⊕ ⊜ CS	Unknown Corp Stop		Insulation
€ co	Cleanout	○ cc	Unknown Curb Stop		Concrete Slab
)(Coupling		Chambers	7111117	Pre-Insulated Pipe
T	Eccentric Reducer	\square	Unknown Diversion Chamber	7777777	Styrofoam Sheet
)(Flexible Coupling	₩ Unknown Diversion Point		Unknown Pipes	
•	Flex Joint	FM VL	Unknown Force Main Valve Chamber	FM > −	Public Force Main
Ŷ	Grouted Connection	JNC	Unknown Junction Chamber	GP > −	Public Gravity Pressure Pipe
	Long Radius Bend	 ■ PUMP	Unknown Pump Chamber	PP > −	Public Pressure Pipe
¥	Mechanical Joint Restraint		Unknown Regulating Chamber	ıs > −	Public Inverted Siphon
A	Reducer		Unknown Storage Basin	\rightarrow	Public Pipe
•	Saddle	T	Unknown Tide Chamber	FM▶-	Private Force Main
=	Тар	v	Unknown Vortex Chamber	GP > −	Private Gravity Pressure Pipe
C	Tee	Unknown		PP>-	Private Pressure Pipe
=	Wye	○ARV	Air Release Valve	IS>-	Private Inverted Siphon
Unknown	Holding Tanks	○ALT	Altitude Valve	→	Private Pipe
	Heat Recovery Tank	-0-	Butterfly Valve		Public Lateral
	Holding Tank	©	Ball Valve		Private Lateral
OF	Overflow Tank	•	Cone Valve		Unknown Structure Polygon
_	Pumping Stations	Z†	Check Valve		Shkilowii Shuctule Polygoli
\subseteq	Public Pumping Station	∠ l ⊝DRN	Drain Valve		

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Private Pumping Station

Gate Valve



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ABANDONED WATER SYSTEM

	bandoned Valves		GEN General Chamber		I VT	Chamber Vent
-	Abandoned Hydrants		Meter Chamber)(Coupling
RS	Abandoned Water Rechlorination	on Station	PRV PRV Chamber		Ĥ	Cross
WR	Abandoned Water Reservoir		□ RSV Reservoir Chamber □ SRC Surge Relief Chamber			Denso Tape
A	bandoned Flowmeter		□ SRC Surge Relief Chamber□ IBF Water Intake Structure - Ir	Bank Filtrat	ion	Link Seal on a Pipe Sleeve
_	bandoned Water Pipe		Water Intake Structure - In Water Intake Structure - In		42	M.J. Restraint Device
	bandoned Water Drain		■ Water Intake Structure - L			Non-shrink Fill on a Pipe Sleeve
	ndoned Water Structure Polyg	ons	Water Intake Structure - Track		een 🔳	Plug
	bandoned Water Structure	,	Water Intake Structure - W		A	Reducer
	Inknown Structure Subtype		Abandoned Water Bulk Fill St			Sleeve
	bandoned Water Bulk Fill Statio	on Polygons	Abandoned Service Point		•	Strainer
	ndoned Water Structure Point		Abandoned Service Lateral		=	Tapping Sleeve
UK		-	Abandoned Fittings		<u>_</u>	Tee Nata Pit
_	Booster Station		_		TM	
	Booster Station		☐ Adaptor — Bend		<u> </u>	Victaulic Coupling
	Water Supply Plant		── Blind Flange		=	Wye Wye Left
ARV			□ Cap			Wye Right
CTF			▲ Chamber Flow Arrow			Unknown FCODE
DRN			a Chamber Flow / Wilew		^	Olikilowii i GGBE
RΔ	NDONED COLLECTION	ON SYST	rem			
					0 5 !!	674.1
	loned Manholes		d Service Points	SUR	Surge Reli	ef Valve
	Combined Manhole	UK	Unknown	©	Valve	
	Wastewater Manhole	SW	Stormwater	Ĩ	Abandone	d Treatment Facility
0	Stormwater Manhole	ww	Wastewater	\bigcirc	Abandone	d Pumping Station
	Unknown Manhole Abandoned CSO Structure	TS	Abandoned Cathodic Protection Test Station			•
	loned Inlets and Outfalls		Abandoned Control Structure		Abandone Abandone	_
		_	Abandoned Stormwater	>	Abandone	•
	Catchbasin Double Catchbasin		Management Structure	×××××××××××××××××××××××××××××××××××××××		d Insulation
	Triple Catchbasin		Abandoned Tracewire Access Point			d Tracewire
	Abandoned Headwall	WW P	Abandoned Sewer Pump			d Vent Line
A	Abandoned Outfall	o CS	Abandoned Corp Stop	Abandone		a vont zine
	loned Fittings	o cc	Abandoned Curb Stop	FM>—	=	Force Main
_	Bend		d Chambers	GP≯—		Gravity Pressure Pipe
	Сар		Diversion Chamber	PP>—		Pressure Pipe
⊕ CO			Diversion Point	-ISD		Inverted Siphon
17	Coupling	FW VL	Force Main Valve Chamber		Combined	
儿		JNC	Junction Chamber		Catchbasii	n Lead
	Eccentric Reducer Flex Joint	PUMP	Pump Chamber	>	Culvert	
1			Regulating Chamber	= =	Drain	
):(Flexible Coupling		Storage Basin	FM>—	Stormwate	er Force Main
V	Grouted Connection	T	Tide Chamber	GP≯—	Stormwate	er Gravity Pressure Pipe
)(Long Radius Bend	•	Stormwater Treatment Unit	PP>-		er Pressure Pipe
¥	Mechanical Joint Restraint	V	Vortex Chamber	-IS>-		er Inverted Siphon
	Reducer		Wastewater Pre-Treatment Unit		Stormwate	
	Saddle -	Abandone	d Valves	FM>—		Force Main
Ξ	Tap	○ARV	Air Release Valve	GP > ─		Gravity Pressure Pipe
_	Tee	ALT	Altitude Valve	PP>		Pressure Pipe
=	Wye		Butterfly Valve	-IS)		nverted Siphon
TVT		©	Ball Valve		Unknown I	•
band	loned Holding Tanks		Cone Valve	FM>—		er Force Main
	Heat Recovery Tank	Zt	Check Valve	GP > — PP > —		er Gravity Pressure Pipe
	Holding Tank	ODRN	Drain Valve	-IS>		er Pressure Pipe er Inverted Siphon
OF	Overflow Tank	\otimes	Gate Valve	-15)-	Wastewate	•
	Overnow rank	1	Plug Valve		Lateral	a i ipe
		PRV	Pressure Relief Valve			d Collection System Structure



SECTION 7.5.2 MAY 2025

LAND FEATURES

Traffic Pole	HRM Service Requirements
≇ Traffic Pole	Water Service Only
Utility Pole	Wastewater Service Only
Utility Pole	Water and Wastewater Service
Survey Monument	Protected Water Areas
Survey Monument	
Natural Gas Lateral	Provincial Tertiary Watersheds
— Natural Gas Lateral	
Natural Gas Pipeline Natural Gas Pipeline Property Boundary Property Boundary Land Owned by Halifax Water Land Owned by Halifax Water Community Boundary Community Boundary Halifax Water Stormwater Service Boundary Halifax Water Stormwater Service Boundary	HW Water Supply Sheds Bennery Lake Bomont Chain Lakes Collin's Park Five Islands Lemont Lake Lake Major Middle Musquodoboit Pockwock Lake Silversands Tomahawk Lake
BASEMAP	Tomanawk Luke
 Power Pole / Transmission Tower Municipal Boundary Railroad Rivers / Stream Streets and Highways (1:100 - 1:8,000) Streets and Highways (1:16,000: - 1:64 Streets and Highways (1:128,000 - 1:256,000) Major Highway Minor Highway Primary Street Street 	•