

SECTION 7.5.2 SEPT 2024

Water Supply Plant

Unknown Water Structure

WAT	TER SYSTEM				
	GIS Revision Tracking Point	Water F	Fittings	Hydran	nts
PŦ	Pressure Tank		Adaptor	-	Hydrant
OAVC	Air and Vacuum Valve	_	Bend	-OPVT	Private Hydrant
OARV	Air Release Valve	=	Blind Flange	Other V	Nater Service Features
OALT	Altitude Valve		Сар	•	Water Service Point
©	Ball Valve	A	Chamber Flow Arrow	*	Leaks and Breaks
-	Butterfly Valve	FVT	Chamber Vent	Water F	
os	Butterfly Valve Operator Side)(Coupling		Domestic Pump
Ζţ	Check Valve	ΙŢΙ	Cross		Fire Pump
_ cs	Corporation Stop		Denso Tape	Water F	•
○ сс	Curb Stop		Link Seal on a Pipe Sleeve		Drain
DRN	Drain Valve	¥	M.J. Restraint Device		Distribution Main
8	Gate Valve		Non-shrink Fill on a Pipe Sleeve		Transmission Main
GLV	Globe Valve	I=1	Plug		Private Drain
\otimes	Hydrant Valve	\blacktriangle	Reducer		Private Distribution Main
PRV	Pressure Reducing Valve		Sleeve		Private Transmission Main
SRV	Service Valve	•	Strainer		Unknown Pipe
SUR	Surge Relief Valve	=	Tapping Sleeve		Service Lateral
ARV	Private Air Release Valve		Tee		Hydrant Lead
AVC	Private Air and Vacuum Valve	TM	Test Meter Pit		Private Service Lateral
ALT	Private Altitude Valve	I	Victaulic Coupling		Private Hydrant Lead
©	Private Ball Valve	=	Wye		Unknown Lateral
	Private Butterfly Valve	=	Wye Left		Pipe Mask
os	Private Butterfly Valve Operator Side	=	Wye Right		Pipe Protection
Zt	Private Check Valve	Structu	re Points		Concrete Slab
o CS	Private Corporation Stop	UK	Unknown Water Structure Point		Styrofoam Insulation
○ CC	Private Curb Stop	\subseteq	Booster Station		Pre-Insulated External Wrap - Buried
DRN	Private Drain Valve		Bulk Fill Station		Pre-Insulated External Wrap - Above Ground
\otimes	Private Gate Valve		Water Supply Plant	100C	Casing Pipe - Buried
GLV	Private Globe Valve			100C	Casing Pipe - Above Ground
\otimes	Private Hydrant Valve	□ARV	ARV Chamber		Pipe Protection Unknown
PRV	Private Pressure Reducing Valve	□CTR □DRN	Control Chamber		Pipe Protection Other
SRV	Private Service Valve	GEN	Drain Chamber	Mateur F	Pipe Protection - Temp
SUR	Private Surge Relief Valve		General Chamber	water i	Pipe Cleaning and Lining
	Unknown FCODE	MTR	Meter Chamber		Cleaning and Lining Cleaned Pipe
O	Closed Valve	PRV	PRV Chamber	Structu	re Polygons
•	Isolation Valve	□RSV □SRC	Reservoir Chamber	Caracta	Bulk Fill Station
0	Private Isolation Valve	□ BF	Surge Relief Chamber		Booster Station
X	Backflow Preventer	_	Water Intake Structure - In Bank Filtration		Reservoir
7	Flowmeter	■ IS ■LL	Water Intake Structure - Intake Structure		Water Intake Structure
⊔ _wQS			Water Intake Structure - Low Lift		Chamber
	Water Quality Station	■TS	Water Intake Structure - Travelling Screen		Water Supply Plant

●WELL

Water Quality Instrument

RS

Water Rechlorination Station

Water Intake Structure - Well

Water Reservoir



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WASTEWATER COLLECTION SYSTEM

WAS	TEWATER COLLECT	rion	SYSTEM		
SIS	GIS Revision Tracking Point	⇒	Wye	PRV	Pressure Release Valve
Wastewa	ter Manholes and Outfalls	FVT	Vent	SUR	Surge Relief Valve
	Public Manhole	•	Service Point		Valve
	Private Manhole	+	Legacy Service Point		Callection System Snot Donain
Wastewa	ter Chambers	TS	Cathodic Protection Test Station		Collection System Spot Repair
	Wastewater Diversion Chamber	X	Control Structure	(WW)	Sewer Pump
•	Wastewater Diversion Point	*	Identified Deficiency (Pipes/Laterals)	1	Treatment Facility
FM VL	Wastewater Force Main Valve Chamber		Tracewire Access Point		·
JNC	Wastewater Junction Chamber		Force Main Flow Meter		Casing
	Wastewater Pre-Treatment Unit	I	0 11 51 11 1		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		ter Insulation
Outfall Wastewater Fittings		\bigcirc	Public Pumping Station		Concrete Slab
			Private Pumping Station		Pre-Insulated Pipe
_	Bend Wastewate		ater Holding Tanks	\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Styrofoam Sheet
П	Сар		Heat Recovery Tank	Wastewa FM▶-	Public Force Main
⊕ CO	Cleanout		Holding Tank		
)(Coupling	OF	Overflow Tank	GP≯-	Public Gravity Pressure Pipe
T	Eccentric Reducer		ater Valves	PP≯-	Public Pressure Pipe
)(Flexible Coupling	∩ARV	Air Release Valve	·IS≯-	Public Inverted Siphon
0	Flex Joint	ALT	Altitude Valve	_	Public Pipe
Ŷ	Grouted Connection	-	Butterfly Valve	FM)>-	Private Force Main
	Long Radius Bend	©	Ball Valve	GP>-	Private Gravity Pressure Pipe
并	Mechanical Joint Restraint	•	Cone Valve	PP>-	Private Pressure Pipe
A	Reducer	Z†	Check Valve	IS)	Private Inverted Siphon
	Saddle	∠ ⊝DRN		>-	Private Pipe
=	Тар	_	Drain Valve		Public Lateral
C	Tee	8	Gate Valve		Private Lateral
		•	Plug Valve		Wastewater Structure Polygon



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STORMWATER COLLECTIO **Stormwater Manholes** Public Manhole Private Manhole Stormwater Inlets Public Catchbasin Public Double Catchbasin Public Triple Catchbasin Private Catchbasin Private Double Catchbasin Private Triple Catchbasin Stormwater Headwalls and Outfalls Headwall Δ Outfall **Stormwater Fittings** Bend Cap Cleanout Coupling **Eccentric Reducer** Flexible Coupling : Flex Joint **Grouted Connection** Long Radius Bend Mechanical Joint Restraint Reducer Saddle Тар Tee Wye **Stormwater Chambers** \bigvee Stormwater Diversion Chamber 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

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Other (No Remarks)

ON SY	STEM					
V	Stormwater Vortex Chamber					
UK	Other Chamber					
•	Service Point					
X	Control Structure					
Stormwate	r Valves					
○ARV	Air Release Valve					
ALT	Altitude Valve					
	Butterfly Valve					
©	Ball Valve					
\bigcirc	Cone Valve					
Ζţ	Check Valve					
ORN	Drain Valve					
\otimes	Gate Valve					
	Plug Valve					
PRV	Pressure Release Valve					
SUR	Surge Relief Valve					
	Valve					
_	r Management Structures					
	Berm					
	Private Berm					
<u> </u>	Constructed Wetland					
	Private Constructed Wetland					
	Lake					
	Private Lake					
	Oversize Pipe					
	Private Oversize Pipe					
	Underground Storage					
	Private Underground Storage					
*****	Wet Pond					
^^^^	Private Wet Pond					
***	Dry Pond					
X	Private Dry Pond					
	Unknown					
	Private Unknown					
①	Other (See Remarks)					
(2)	Private Other (See Remarks)					
•						

*	Identified Deficiency (Pipes/Laterals)		
•	Force Main Flow Meter		
•	Gravity Flow Meter		
-	Gravity Flow Meter - Removed		
⊖ CS	Stormwater Corp Stop		
○ cc	Stormwater Curb Stop		
Stormwate	er Pumping Stations		
	Public Pumping Station		
	Private Pumping Station		
=====	Casing		
	Lining		
	Ditch		
	CCTV Televised Main		
	CCTV Televised Lateral		
Stormwa	ter Insulation		
1111111	Concrete Slab		
1111111	Pre-Insulated Pipe		
	Styrofoam Sheet		
Stormwate	er Pipes		
	Public Catchbasin Lead		
>··	Public Culvert		
	Public Drain		
FM)	Public Force Main		
GP>-	Public Gravity Pressure Pipe		
PP>-	Public Pressure Pipe		
·IS>-	Public Inverted Siphon		
	Public Pipe		
	Private Catchbasin Lead		
-	Private Culvert		
	Private Drain		
FM)	Private Force Main		
GP)	Private Gravity Pressure Pipe		
PP>	Private Pressure Pipe		
(IS)	Private Inverted Siphon		
	Duli anta Dina		
	Private Pipe		
	Public Lateral		
	•		



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COMBINED COLLECTION SYSTEM

Combined Manholes and Outfalls Gate Valve Private Pumping Station \blacksquare Public Manhole Plug Valve Control Structure П Private Manhole PRV Pressure Release Valve Identified Deficiency (Pipes/ Laterals) Outfall SUR Surge Relief Valve Combined Sewer Overflow Force Main Flow Meter Valve П (CSO) Structure Casing **Gravity Flow Meter Combined Fitting** Lining Bend Gravity Flow Meter - Removed **CCTV Televised Main** Cap ○ CS Combined Corp Stop **CCTV Televised Lateral** Cleanout ⊖ CC Combined Curb Stop Insulation Coupling Combined Chambers _____ Concrete Slab **Eccentric Reducer** Combined Diversion Chamber \bigvee mPre-Insulated Pipe Flexible Coupling Combined Diversion Point \overline{m} Styrofoam Sheet Flex Joint Combined Force Main Valve **FM**VL **Combined Pipes** Chamber **Grouted Connection** Public Force Main FM>-JNC **Combined Junction Chamber** Long Radius Bend GP≫-Public Gravity Pressure Pipe Combined Pump Chamber Mechanical Joint Restraint PP≫-Public Pressure Pipe Combined Regulating Chamber Reducer ·IS>-Public Inverted Siphon Combined Storage Basin Saddle Public Pipe T Combined Tide Chamber Tap Private Force Main FM>-(V) Combined Vortex Chamber Tee GP>-Private Gravity Pressure Pipe **Combined Valves** Wye PP>-Private Pressure Pipe ○ARV Air Release Valve **Combined Holding Tanks** IS>-Private Inverted Siphon \bigcirc ALT Altitude Valve **Heat Recovery Tank** ->- Private Pipe **Butterfly Valve Holding Tank** Public Lateral 0 **Ball Valve OF Overflow Tank** Private Lateral Cone Valve Combined Pumping Stations Combined Structure Polygon Ζt Check Valve **Public Pumping Station**

○DRN

Drain Valve



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UNKNOWN COLLECTION SYSTEM

Private Pumping Station

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Gate Valve

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
)	Headwall	ф	Force Main Flow Meter	=====	Casing
ı∆ı	Outfall	Y			
Unknown	Fittings	+	Gravity Flow Meter		Lining CCTV Televised Main
_	Bend	-	Gravity Flow Meter - Removed		CCTV Televised Lateral
П	Сар	□ CS	Unknown Corp Stop	Unknown	Insulation
€ co	Cleanout	○ cc	Unknown Curb Stop		Concrete Slab
)(Coupling		Chambers	1111111	Pre-Insulated Pipe
T	Eccentric Reducer		Unknown Diversion Chamber	7777777	Styrofoam Sheet
)(Flexible Coupling	₩	⊕ Unknown Diversion Point		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
	Reducer		Unknown Storage Basin	→	Public Pipe
	Saddle	<u> </u>	Unknown Tide Chamber	FM>-	Private Force Main
=	Тар	v	Unknown Vortex Chamber	GP > −	Private Gravity Pressure Pipe
С	Tee	Unknown		PP≫-	Private Pressure Pipe
=	Wye	⊖ARV	Air Release Valve	1S>-	Private Inverted Siphon
Unknown	Holding Tanks	ALT	Altitude Valve		·
)) H)	Heat Recovery Tank	-0-	Butterfly Valve	-> -	Private Pipe
	Holding Tank	©	Ball Valve		Public Lateral
OF)	Overflow Tank				Private Lateral
_	Pumping Stations	▼ 7 ↑	Cone Valve		Unknown Structure Polygon
_	-	Z†	Check Valve		
\subseteq	Public Pumping Station	ODRN	Drain Valve		



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Wastewater Pipe

Lateral



	-		,		,
BAI	NDONED WATER SYSTE	EM			
Aba	andoned Valves		□ ^{GEN} General Chamber		(Coupling
b- Ab	andoned Hydrants		□ ^{MTR} Meter Chamber		Cross
_	oandoned Water Rechlorinat	tion Statior	n □ ^{PRV} PRV Chamber		☑ Denso Tape
	oandoned Water Reservoir		□ ^{RSV} Reservoir Chamber		Link Seal on a Pipe Sleeve
_	andoned Flowmeter		□ ^{SRC} Surge Relief Chamber		M.J. Restraint Device
	andoned Water Pipe		Water Intake Structure - In Bank	Filtration	Non-shrink Fill on a Pipe Sleeve
	andoned Water Drain		S Water Intake Structure - Intake S	tructure	Plug
	doned Structure Polygons		■ Water Intake Structure - Low Lift		▲ Reducer
	doned off detaile i olygons	•	■TS Water Intake Structure - Travellin	g Screen	Sleeve
					Strainer
	doned Structure Points		 Abandoned Service Point 		= Tapping Sleeve
	Jnknown		 Abandoned Service Lateral 		= Tapping oleeve □ Tee
<u>앗</u> E	Booster Station		Abandoned Fittings		□™Test Meter Pit
() E	Bulk Fill Station		□ Adaptor		Victaulic Coupling
	Vater Supply Plant		Bend		⇒ Wye
			─ Blind Flange		→ Wye Left
	ARV Chamber		□ Cap		⇒ Wye Right
	Control Chamber		Chamber Flow Arrow		× Unknown FCODE
	Orain Chamber	0.00	r Chamber Vent		Children 1 COBE
	NDONED COLLECTION	SYSTEM		- 01 ID	
	doned Manholes	sw	Stormwater	SUR	Surge Relief Valve
	Combined Manhole	ww	Wastewater		Valve
	Wastewater Manhole		Abandoned Cathodic	77	Abandoned Collection System Structure
	Stormwater Manhole Unknown Manhole	TS	Protection Test Station		Abandoned Treatment Facility
	Abandoned CSO Structure	×	Abandoned Control Structure	\Box	Abandoned Pumping Station
	doned Inlets and Outfalls		_	=====	Abandoned Casing
	Catchbasin	•	Abandoned Stormwater		Abandoned Lining
	Double Catchbasin		Management Structure	>	Abandoned Ditch
	Triple Catchbasin	lacktriangle	Abandoned Tracewire Access Point	XXXXXXX	Abandoned Insulation
\frown	Abandoned Headwall	WW	Abandoned Sewer Pump		Abandoned Tracewire
Å	Abandoned Outfall	o CS	Abandoned Corp Stop	Abanda	Abandoned Vent Line
ban	doned Fittings	o cc	Abandoned Curb Stop	FM>-	oned Pipes
_	Bend		oned Chambers	GP>-	Combined Force Main Combined Gravity Pressure Pipe
	Сар		Diversion Chamber	PP>-	Combined Gravity Fressure Fipe
⊕ CO	Cleanout		Diversion Point	-ISD-	Combined Inverted Siphon
)(Coupling	FM VL	Force Main Valve Chamber		Combined Pipe
	Eccentric Reducer	JNC	Junction Chamber		Catchbasin Lead
) (Flex Joint	PUMP	Pump Chamber		Culvert
)(Flexible Coupling		Regulating Chamber		Drain
V	Grouted Connection		Storage Basin	FM>-	Stormwater Force Main
),(Long Radius Bend	T	Tide Chamber	GP)>-	Stormwater Gravity Pressure Pipe Stormwater Pressure Pipe
¥	Mechanical Joint Restraint		Stormwater Treatment Unit	PP > - -IS > -	Stormwater Inverted Siphon
A	Reducer	•	Vortex Chamber Wastewater Pre-Treatment Unit		Stormwater Pipe
	Saddle Tap		oned Valves	FM>-	Unknown Force Main
Ē	Tee	Abanuu	Air Release Valve	GP > −	Unknown Gravity Pressure Pipe
=======================================	Wye	ALT	Altitude Valve	PP>-	Unknown Pressure Pipe
VT	Vent	-	Butterfly Valve	-ISD-	Unknown Inverted Siphon
	doned Holding Tanks	<!--</td--><td>Ball Valve</td><td></td><td>Unknown Pipe</td>	Ball Valve		Unknown Pipe
- //	•		Cone Valve	FM>-	Wastewater Force Main
	Heat Recovery Tank	Zt	Check Valve	GP>-	Wastewater Gravity Pressure Pipe
	Holding Tank	ODRN	Drain Valve	PP>-	Wastewater Pressure Pipe Wastewater Inverted Siphon
OF	Overflow Tank	\otimes	Gate Valve	10)	vvasiowator inverted dipilon

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 \bigcirc PRV

Abandoned Service Points

Unknown

Plug Valve

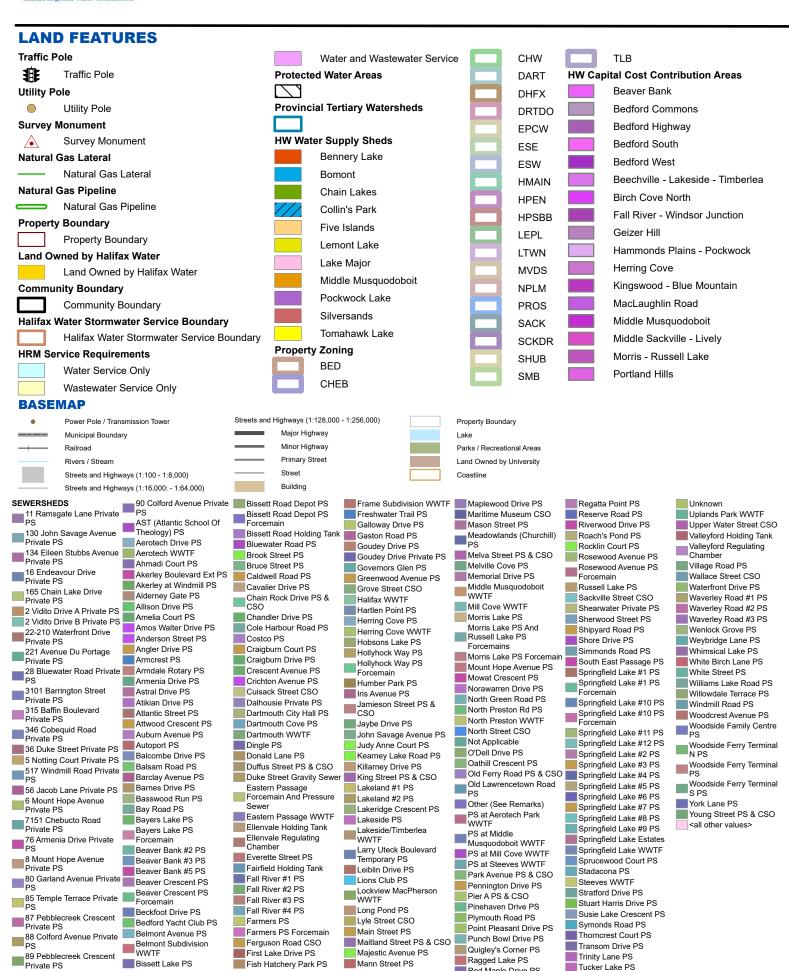
Pressure Relief Valve



Bissett Lake PS

DESIGN SPECIFICATIONS SECTION 7 - DRAWING REQUIREMENTS (GIS SYMBOLOGY)

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Mann Street PS

Fish Hatchery Park PS

Ragged Lake PS

Red Maple Drive PS

Tucker Lake PS



Hemlock Super High

Herring Cove Low

24 East High

27 Low

DESIGN SPECIFICATIONS SECTION 7 - DRAWING REQUIREMENTS (GIS SYMBOLOGY)

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ZONES AND REGIONS							
Collection System Regions		Kearney Lake Intermediate		Aerotech		Lake Major High	
East		Kingswood High		Atholea Low		Lakeside High	
Central		Lake Major High		Beaver Bank Boosted		Lakeside Intermediate	
West		Lakeside Intermediate		Beaver Bank Intermediate		Leiblin Boosted	
Unknown		Leiblin Boosted		Bedford Intermediate		Lively Boosted	
Pressure Zones		Lively Boosted		Bedford Low		Lucasville High	
24 East High		Lucasville High		Bedford South Intermediate		Miller Lake High	
Aerotech		Miller Lake High		Berry Hills Boosted		Miller Lake Low	
Atholea Low		Miller Lake Low		Birch Cove		Monarch/Rivendale High	
Beaver Bank Boosted		Monarch/Rivendale High		Bluewater Intermediate		Montague High	
Beaver Bank Intermediate		Montague High		Broadholme Intermediate		Mount Edward Boosted	
Bedford Intermediate		Mount Edward Boosted		Brunello Boosted		Mowatt Intermediate	
Bedford Low		Mowatt Intermediate		Burnside Boosted		North Preston	
Bedford South Intermediate		No. 7 Highway Boosted		Burnside High		Orchard High	
Berry Hills Boosted		North Preston		Burnside Low		Penhorn Intermediate	
Bluewater Intermediate		Orchard High		Caldwell Rd Boosted		Peninsula High	
Broadholme Intermediate		Peninsula High	-	Caledonia High		Peninsula Intermediate Central	
Brunello Boosted		Peninsula Intermediate		Central Dartmouth		Peninsula Intermediate North	
Burnside Boosted		Peninsula Low		Charles Rd Boosted		Peninsula Intermediate South	
Burnside High		Pockwock Boosted		Churchill Intermediate		Peninsula Low North	
Burnside Low		Pockwock High		Cobequid High		Peninsula Low South	
Caldwell Road Boosted		Princess Margaret Low		Collins Park Low		Pockwock Boosted	
Charles Road Boosted		Ritcey Low		Cowie High		Pockwock High	
Churchill Intermediate		Robie Reservoir		Dartmouth Low		Princess Margaret Low	
Collins Park Low		Rockingham Low		Eastern Passage Low		Ritcey Low	
Cowie High		Rockmanor Intermediate		Fairmount High		Robie Reservoir	
Dartmouth Intermediate East		Ross Road Low		Fairview Clayton Park		Rockmanor Intermediate	
Dartmouth Intermediate West		Sackville High		Fall River Intermediate		Ross Rd	
Dartmouth Low		Sackville Intermediate		Farnhamgate Intermediate		Sackville High	
Eaglewood Boosted		Silversands Low		Flamingo Intermediate		Sackville Intermediate	
Eastern Passage/Woodside Low		Silverside Boosted		Geizer123 High		Silversands Low	
Fairview Clayton High		Spryfield Intermediate		Geizer158 High		Silverside Boosted	
Fall River Intermediate		Titas Evans Low		Geizer Boosted		Spryfield Intermediate	
Farnhamgate Intermediate		Upper Hammonds Plains High		Glenforest Intermediate		Titus Evans Low	
Flamingo Intermediate		Waverley Intermediate		Hammond Kearney		Upper Hammonds Plains High	
Geizer 123 High		Waverley Low		Hemlock High		Waverley Intermediate	
Geizer 158 High		West Bedford Intermediate		Hemlock Intermediate	_	Waverley Low	
Geizer Boosted		Williams Lake Low		Hemlock Super High		West Bedford Intermediate	
Glenforest Intermediate		Unknown Pressure Zone		Herring Cove Low		Williams Lake Low	
Hemlock High	Me	ter Zones		Herring Cove Road Intermediate		Woodlawn Inter	
Hemlock Intermediate		#7 Highway Boosted		Kearney Lake Intermediate		Woodside Low	
Hemlock Super High		24 Fact High		Reality Lake Intelliguate		VVOOGSIGG LOVV	

Kingswood High

Unknown Meter Zone