WATER SYSTEM

***	GIS Revision Tracking Point							
PT	Pressure Tank							
0	Unknown FCODE							
OAVC	Air and Vacuum Valve							
OARV	Air Release Valve							
	Altitude Valve							
0	Ball Valve							
	Butterfly Valve							
os	Butterfly Valve Operator Side							
Zt	Check Valve							
$_{\odot}$ CS	Corporation Stop							
$^{\circ}$ CC	Curb Stop							
\bigcirc DRN	Drain Valve							
\otimes	Gate Valve							
\bigcirc GLV	Globe Valve							
\otimes	Hydrant Valve							
\bigcirc PRV	Pressure Reducing Valve							
\bigcirc SRV	Service Valve							
\bigcirc SUR	Surge Relief Valve							
	Private Air Release Valve							
	Private Air and Vacuum Valve							
	Private Altitude Valve							
0	Private Ball Valve							
	Private Butterfly Valve							
OS	Private Butterfly Valve Operator Side							
Zt	Private Check Valve							
$_{\odot}$ CS	Private Corporation Stop							
$_{\odot}$ CC	Private Curb Stop							
	Private Drain Valve							
8	Private Gate Valve							
\bigcirc GLV	Private Globe Valve							
\otimes	Private Hydrant Valve							
OPRV	Private Pressure Reducing Valve							
	Private Service Valve							
	Private Surge Relief Valve							
0	Closed Valve							
0	Isolation Valve							
\bigcirc	Private Isolation Valve							
X	Backflow Preventer							

	Flowmeter
● ^{WQS}	Water Quality Station
W QI	Water Quality Instrument
Hydrant	S
	Hydrant
-Q-PAL	Private Hydrant
Water Fi	ttings
	Adaptor
—	Bend
—	Blind Flange
	Сар
▲	Chamber Flow Arrow
ΓVT	Chamber Vent
)(Coupling
Ē	Cross
	Denso Tape
	Link Seal on a Pipe Sleeve
¥	M.J. Restraint Device
	Non-shrink Fill on a Pipe Sleeve
(=1	Plug
	Reducer
	Sleeve
•	Strainer
=	Tapping Sleeve
	Тее
TM	Test Meter Pit
I	Victaulic Coupling
⇒	Wye
7	Wye Left
	Wye Right
Structu	re Points
ARV	Air Release Chamber
\Box	Booster Station
CTR	Control Chamber
MTR	Meter Chamber
⊙PW	Production Well
PRV	PRV Chamber
RSV	Reservoir Chamber
	Water Treatment Plant

WR	Water Reservoir				
Other Water Service Features					
•	Water Service Point				
*	Leaks and Breaks				
Water P	umps				
	Domestic Pump				
F	Fire Pump				
Water P	·				
	Unknown Pipe				
	Drain				
	Distribution Main				
	Transmission Main				
	Private Drain				
	Private Distribution Main				
	Private Transmission Main				
	Unknown Lateral				
	Service Lateral				
	Hydrant Lead				
	Private Service Lateral				
	Private Hydrant Lead				
	Pipe Mask				
Water P	ipe Insulation				
	Concrete Slab				
	Pipe Wrapped Insulation				
	Protective Piping Encasement				
<u>,,,,,,,</u>	Styrofoam Insulation				
Water P	ipe Cleaning and Lining				
	Cleaning and Lining				
	Cleaned Pipe				
Structure Polygons					



WASTEWATER COLLECTION SYSTEM

*	GIS Revision Tracking Point	•	Service Point		Sewer Pump
		+	Legacy Service Point	1	Treatment Facility
	Collection System Spot Repair	TS	Cathodic Protection Test Station		Treatment raolity
,			Control Structure		Casing
Wastewat	er Manholes and Outfalls	*	Identified Deficiency (Pipes/Laterals)		Lining
	Public Manhole		Tracewire Access Point		Tracewire
	Private Manhole		Force Main Flow Meter		Vent Line
Wastewat	er Chambers				CCTV Televised Main
	Diversion Chamber	•	Gravity Flow Meter	Wastewat	ter Insulation
۲	Diversion Point		Gravity Flow Meter - Removed	<u>,,,,,,,,,,,,,,,,,,,,,,,,</u>	Concrete Slab
	Force Main Valve Chamber			<u></u>	Pre-Insulated Pipe
	Junction Chamber	$_{\odot}$ CS	Wastewater Corp Stop	<u>,,,,,,,,,,</u>	Styrofoam Sheet
۲	Pre-Treatment Unit	$^{ m O}$ CC	Wastewater Curb Stop	Wastewa	ter Pipes
PUMP	Pump Chamber	Wastewat	ter Pumping Stations	FM▶—	Public Force Main
	Regulating Chamber	ک	Public Pumping Station	GP>	Public Gravity Pressure Pipe
T	Tide Chamber	R	Private Pumping Station	PP > ─	Public Pressure Pipe
▲	Outfall	Wastewat	ter Holding Tanks	·IS > —	Public Inverted Siphon
Wastewat	er Fittings		Heat Recovery Tank	\rightarrow	Public Pipe
-	Bend	8	Holding Tank	FM>	Private Force Main
	Сар	OF	Overflow Tank	GP>	Private Gravity Pressure Pipe
€ ^{CO}	Cleanout	Wastewat	ter Valves	PP>—	Private Pressure Pipe
)(Coupling		Air Release Valve	IS>	Private Inverted Siphon
T	Eccentric Reducer		Altitude Valve	->	Private Pipe
)(Flexible Coupling		Butterfly Valve		Public Lateral
	Flex Joint	0	Ball Valve		Private Lateral
Ŷ	Grouted Connection		Cone Valve		Wastewater Structure Polygon
	Long Radius Bend	Zt	Check Valve		
¥	Mechanical Joint Restraint		Drain Valve		
	Reducer	8	Gate Valve		
1 B. 1	Saddle	•	Plug Valve		
=	Тар	PRV	Pressure Release Valve		
C	Тее				
⇒	Wye	_	Surge Relief Valve		
FVT	Vent	٢	Valve		



STORMWATER COLLECTION SYSTEM

Stormwa	ter Manholes	•	Service Point
0	Public Manhole	X	Control Structure
•	Private Manhole	Stormwat	er Valves
Stormwa	ter Inlets		Air Release Valve
	Public Catchbasin		Altitude Valve
Η	Public Double Catchbasin		Butterfly Valve
E	Public Triple Catchbasin	0	Ball Valve
	Private Catchbasin	$\overline{\mathbf{\nabla}}$	Cone Valve
	Private Double Catchbasin	Zt	Check Valve
	Private Triple Catchbasin		Drain Valve
Stormwa	ter Headwalls and Outfalls	8	Gate Valve
\sim	Headwall	-	-
Δ	Outfall		Plug Valve
tormwa	ter Fittings		Pressure Release Valve
—	Bend	SUR	Surge Relief Valve
	Сар		Valve
€ ^{CO}	Cleanout		er Management Structures
)(Coupling	ک	Other (No Remarks)
	Eccentric Reducer		Berm
)(Flexible Coupling		Private Berm
	Flex Joint	<u> </u>	Constructed Wetland
Ŷ	Grouted Connection	fe.	
	Long Radius Bend		Private Constructed Wetland
) 其	Mechanical Joint Restraint		Lake
	Reducer		
•	Saddle		Private Lake
=	Тар		Oversize Pipe
C	Тее		·
⇒	Wye		Private Oversize Pipe
tormwa v	ter Chambers		Underground Storage
✓	Diversion Chamber Diversion Point		Private Underground Storage
VL	Force Main Valve Chamber		Wet Pond
	Junction Chamber		Private Wet Pond
PUMP	Pump Chamber		Dry Pond
	Regulating Chamber		Private Dry Pond
T	Tide Chamber	(•)	Unknown
	Treatment Unit	_	-
Ŭ			Private Unknown
		\odot	Other (See Remarks)

 Force Main Flow Meter Gravity Flow Meter Gravity Flow Meter - Removed Stormwater Corp Stop Stormwater Curb Stop Stormwater Curb Stop Temping Station Public Pumping Station Casing Lining Ditch CCTV Televised Main Orrete Slab Stormwater Pipe Styrofoam Sheet Public Catchbasin Lead Public Criv Pressure Pipe Public Force Main Public Force Main Public Catchbasin Lead Public Pressure Pipe Public Pressure Pipe Public Pressure Pipe Pivate Catchbasin Lead Private Catchbasin Lead Pivate Catchbasin Lead Pivate Catchbasin Lead Pivite Catchbasin Lead Pivite Pipe Public Pipe Pivate Catchbasin Lead Pivate Pipe Pivate Lateral Pivate Lateral Pivate Catchbasin Lead 	*	Identified Deficiency (Pipes/Laterals)
Gravity Flow Meter - Removed Stormwater Corp Stop Stormwater Curb Stop Delice Pumping Station Public Pumping Station Stormwater Curb Stop Public Pumping Station Storm Casing Lining Ditch COrr Televised Main Concrete Slab Styrofoam Sheet Pre-Insulated Pipe Styrofoam Sheet Public Catchbasin Lead Public Cluvert Public Force Main Public Force Main Public Force Main Public Catchbasin Lead Public Cluvert Public Catchbasin Lead Public Catchbasin Lead Public Force Main Public Catchbasin Lead Public Pressure Pipe Public Pressure Pipe Public Pressure Pipe Public Pipe Private Catchbasin Lead Public Pressure Pipe Public Pipe Public Pipe Private Catchbasin Lead Private Pipe Private Force Main Private Force Main Private Force Main Private Pipe Private Inverted Siphon Private Inverted Siphon <	•	Force Main Flow Meter
CSStormwater Corp StopCCStormwater Curb StopCOMMUNEPublic Pumping StationCPrivate Pumping StationCCasingLiningDitchCCTV Televised MainCOMMUNEConcrete SlabCCTVPre-Insulated PipeStyrofoam SheetVormwatePiublic CulvertPublic CulvertPublic CluvertPublic Cravity Pressure PipePublic Cravity Pressure PipePublic PipePublic PipePublic PipePivate Catchbasin LeadPivate Catchbasin LeadPivate Cravity Pressure PipePublic Force MainPivate Catchbasin LeadPivate PipePivate PipePivate PipePivate PipePivate PipePivate PipePivate PipePublic LateralPivate Lateral	• -	Gravity Flow Meter
• CC Stormwater Curb Stop cormwater Pumping Stations Public Pumping Station • Private Pumping Station Private Pumping Station • Casing Lining • Ditch CCTV Televised Main cornwater Insulation Concrete Slab • Pre-Insulated Pipe Styrofoam Sheet • Public Catchbasin Lead Public Culvert • Public Culvert Public Drain • Public Cravity Pressure Pipe Public Pressure Pipe • Public Pressure Pipe Public Pressure Pipe • Private Culvert Private Culvert • Public Pipe Private Culvert • Public Pipe Private Catchbasin Lead • Public Pressure Pipe Public Pipe • Public Pressure Pipe Public Pipe • Private Catchbasin Lead Private Catchbasin Lead • Public Pipe Private Catchbasin Lead • Private Catchbasin Lead Private Catchbasin Lead • Private Catchbasin Lead Private Catchbasin Lead • Private Culvert Private Catchbasin Lead • Private Pressure Pipe Private Force Main • Private Proce Main Private Pressure Pipe	•	Gravity Flow Meter - Removed
Image: Stations Image: Station Image	_O CS	Stormwater Corp Stop
Image: Section in the section in th	⊖ cc	Stormwater Curb Stop
Private Pumping Station Casing Lining Ditch CCTV Televised Main tormwater Insulation Concrete Slab Pre-Insulated Pipe Styrofoam Sheet tormwater Pipes Public Catchbasin Lead Public Culvert Public Cravity Pressure Pipe Public Gravity Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Public Pressure Pipe Public Roret Siphon Public Pipe Private Catchbasin Lead Private Pipe Private Pipe Private Pipe Private Pipe Private Pipe Private Inverted Siphon Private Pipe <td< th=""><th>tormwate</th><th>r Pumping Stations</th></td<>	tormwate	r Pumping Stations
Casing Lining Ditch Ditch CCTV Televised Main CCTV Televised Main COncrete Slab CCTV Televised Main Concrete Slab CCTV Televised Main Concrete Slab CCTV Televised Main CONCRET FISULATION CONCRETE Slab CONCRETE Sl	$\mathbf{\overline{C}}$	Public Pumping Station
LiningDitchCCTV Televised Mainconcrete SlabConcrete SlabConcrete SlabConcrete SlabSTATEPre-Insulated PipeSTATEPublic Catchbasin LeadPublic CulvertPublic CulvertPublic Cravity Pressure PipePublic Inverted SiphonPublic PipePrivate Catchbasin LeadPublic PipePublic PipePublic PipePrivate Catchbasin LeadPublic Pressure PipePublic Pressure PipePublic PipePrivate Catchbasin LeadPrivate Catchbasin LeadPrivate Catchbasin LeadPrivate Catchbasin LeadPublic PipePrivate Catchbasin LeadPrivate Catchbasin LeadPrivate Catchbasin LeadPrivate PipePrivate PipePrivate PipePrivate PipePrivate Pressure PipePrivate Pressure PipePrivate PipePrivate PipePrivate PipePublic LateralPrivate Lateral		Private Pumping Station
 Ditch CCTV Televised Main Concrete Slab Concrete Slab Pre-Insulated Pipe Styrofoam Sheet Styrofoam Sheet Public Catchbasin Lead Public Culvert Public Drain Public Force Main Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Drain Private Force Main Private Force Main Private Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Casing
CCTV Televised Main Concrete Slab Concrete Slab		Lining
tormwater Insulation Concrete Slab Pre-Insulated Pipe Styrofoam Sheet Styrofoam Sheet Tormwater Pipes Public Catchbasin Lead Public Culvert Public Drain Public Force Main Public Pressure Pipe Public Inverted Siphon Private Catchbasin Lead Private Culvert Private Culvert Private Culvert Private Culvert Private Pressure Pipe Private Pressure Pipe Private Drain Private Pressure Pipe Private Pipe Private Pipe Public Lateral Private Lateral	·	Ditch
Concrete SlabPre-Insulated PipeStyrofoam SheetpresPublic Catchbasin LeadPublic CulvertPublic CulvertPublic DrainPublic Force MainPublic Gravity Pressure PipePublic Inverted SiphonPublic PipePrivate Catchbasin LeadPrivate CulvertPrivate CulvertPrivate DrainPrivate DrainPrivate PipePrivate DrainPrivate DrainPrivate Pressure PipePrivate Pressure PipePrivate DrainPrivate Pressure PipePrivate PipePrivate PipePrivate PipePrivate PipePrivate Lateral		CCTV Televised Main
Yee-Insulated Pipe Yee-Insulated Pipe Yee-Insulated Pipe Yee-Insulated Pipe Yee-Insulated Pipe Public Catchbasin Lead Yee-Insulated Pipe Public Catchbasin Lead Yee-Insulated Pipe Public Culvert Public Drain Yee-Insulated Pipe Public Force Main Yee-Insulated Siphon Yee-Insulated Pipe Private Catchbasin Lead Yee-Insulate Pipe Private Proce Main Private Force Main Private Force Main Private Pressure Pipe Private Inverted Siphon Private Inverted Siphon Private Pipe Private Pipe Public Lateral Private Lateral	tormwat	er Insulation
Styrofoam Sheet kormwater Pipes Public Catchbasin Lead Public Culvert Public Drain Public Force Main Public Gravity Pressure Pipe Public Inverted Siphon Private Catchbasin Lead Private Culvert Private Culvert Private Culvert Private Pressure Pipe Private Culvert Private Pressure Pipe Private Pressure Pipe Private Force Main Private Pressure Pipe Private Force Main Private Force Main Private Force Main Private Force Main Private Pressure Pipe Private Pressure Pipe Private Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Private Pipe Public Lateral Private Lateral		Concrete Slab
Abornwater Pipes Public Catchbasin Lead Public Culvert Public Drain Public Force Main Public Gravity Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Culvert Private Drain Private Force Main Private Culvert Private Drain Private Pressure Pipe Private Pressure Pipe Private Force Main Private Pressure Pipe Private Inverted Siphon Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral	<u></u>	Pre-Insulated Pipe
 Public Catchbasin Lead Public Culvert Public Drain Public Force Main Public Gravity Pressure Pipe Public Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Force Main Private Pressure Pipe Private Pipe Private Pipe Private Pipe Public Lateral Private Lateral 		Styrofoam Sheet
 Public Culvert Public Drain Public Force Main Public Gravity Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pipe Private Pipe Public Lateral Private Lateral 	tormwate	r Pipes
 Public Drain Public Force Main Public Gravity Pressure Pipe Public Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Private Pipe Private Pipe Private Pipe Private Pipe Private Pipe Private Lateral 		Public Catchbasin Lead
 Public Force Main Public Gravity Pressure Pipe Public Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Force Main Private Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Private Pipe Private Pipe Private Pipe Private Pipe Private Lateral 	-> ·	Public Culvert
 Public Gravity Pressure Pipe Public Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Public Drain
 Public Pressure Pipe Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Public Force Main
 Public Inverted Siphon Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 	> -	Public Gravity Pressure Pipe
 Public Pipe Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 	>─	Public Pressure Pipe
 Private Catchbasin Lead Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 	5 > —	Public Inverted Siphon
 Private Culvert Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 	>	Public Pipe
 Private Drain Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Private Catchbasin Lead
 Private Force Main Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 	>	Private Culvert
 Private Gravity Pressure Pipe Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Private Drain
 Private Pressure Pipe Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Private Force Main
 Private Inverted Siphon Private Pipe Public Lateral Private Lateral 		Private Gravity Pressure Pipe
 Private Pipe Public Lateral Private Lateral 		Private Pressure Pipe
Public Lateral Private Lateral	-	Private Inverted Siphon
Private Lateral	>	Private Pipe
		Public Lateral
Stormwater Structure Polygon		Private Lateral
		Stormwater Structure Polygon



COMBINED COLLECTION SYSTEM

Combined	Manholes and Outfalls		Control Structure	=====
Ш	Public Manhole	*	Identified Deficiency (Pipes/Laterals)	
	Private Manhole	-•	Force Main Flow Meter	
A	Outfall	I I		Insulatior
	Combined Sewer Overflow (CSO) Structure		Gravity Flow Meter	
Combined	. ,	+	Gravity Flow Meter - Removed	
-	Bend	_O CS	Combined Corp Stop	
	Сар	$^{\circ}$ cc	Combined Curb Stop	Combine
● ^{CO}	Cleanout	Combined	d Chambers	FM▶ —
)(Coupling		Diversion Chamber	GP▶ —
T	Eccentric Reducer	۲	Diversion Point	PP▶ —
)#(Flexible Coupling	FM	Force Main Valve Chamber	-IS > —
898	Flex Joint		Junction Chamber	→
Ŷ	Grouted Connection		Pump Chamber	FM>
	Long Radius Bend	\bigcirc	Regulating Chamber	GP>
¥	Mechanical Joint Restraint	Т	Tide Chamber	PP>-
	Reducer	Combined	d Valves	ls▶—
1 A 1	Saddle		Air Release Valve	->
=	Тар		Altitude Valve	
C	Тее		Butterfly Valve	
⇒	Wye	0	Ball Valve	
Combined	l Holding Tanks	\bigtriangledown	Cone Valve	
	Heat Recovery Tank	Zt	Check Valve	
\Box	Holding Tank		Drain Valve	
OF	Overflow Tank	8	Gate Valve	
Combined	l Pumping Stations	•	Plug Valve	
	Public Pumping Station		Pressure Release Valve	
S	Private Pumping Station		Surge Relief Valve	
		٢	Valve	

=====:	Casing
	Lining
	CCTV Televised Main
Insulation	
	Concrete Slab
	Pre-Insulated Pipe
	Styrofoam Sheet
Combined	Pipes
FM	Public Force Main
GP >	Public Gravity Pressure Pipe
PP > ──	Public Pressure Pipe
·IS>—	Public Inverted Siphon
\rightarrow	Public Pipe
FM>	Private Force Main
GP>	Private Gravity Pressure Pipe
PP>	Private Pressure Pipe
	Private Inverted Siphon
->	Private Pipe
	Public Lateral
	Private Lateral
	Combined Structure Polygon



UNKNOWN COLLECTION SYSTEM

Unknown Manholes		•	Service Point		Casing
\bigcirc	Public Manhole	T	Cathodic Protection Test Station		Lining
\bigcirc	Private Manhole		Control Structure		CCTV Televised Main
Unknown	Headwalls and Outfalls	*	Identified Deficiency (Pipes/Laterals)	Unknown	Insulation
\sim	Headwall	- Ġ -	Force Main Flow Meter		Concrete Slab
▲	Outfall	T I			Pre-Insulated Pipe
Unknown	Fittings	+	Gravity Flow Meter		Styrofoam Sheet
—	Bend	-	Gravity Flow Meter - Removed	Unknown	Pipes
	Сар	T		FM▶—	Public Force Main
● ^{co}	Cleanout	⊖ CS	Unknown Corp Stop	GP > ──	Public Gravity Pressure Pipe
)(Coupling	⊖ cc	Unknown Curb Stop	PP > ──	Public Pressure Pipe
T	Eccentric Reducer		Chambers	·IS > —	Public Inverted Siphon
)(Flexible Coupling		Diversion Chamber	\rightarrow	Public Pipe
•	Flex Joint	*	Diversion Point	FM -	Private Force Main
Ŷ	Grouted Connection		Force Main Valve Chamber	GP>	Private Gravity Pressure Pipe
	Long Radius Bend		Junction Chamber	PP>	Private Pressure Pipe
Ă	Mechanical Joint Restraint	PUMP	Pump Chamber	·IS>	Private Inverted Siphon
	Reducer		Regulating Chamber	->	Private Pipe
	Saddle	T	Tide Chamber		Public Lateral
=	Тар	Unknown			Private Lateral
С	Тее		Air Release Valve		Unknown Structure Polygon
⇒	Wye		Altitude Valve		,,,
Unknown	Holding Tanks	-0-	Butterfly Valve		
×	Heat Recovery Tank	0	Ball Valve		
9	Holding Tank	\bigcirc	Cone Valve		
OF	Overflow Tank	Zt	Check Valve		
Unknown Pumping Stations			Drain Valve		
S	Public Pumping Station	\otimes	Gate Valve		
		D	Plug Valve		
2	Private Pumping Station		Pressure Release Valve		
			Surge Relief Valve		
		٢	Valve		

DESIGN SPECIFICATIONS SECTION 7 - DRAWING REQUIREMENTS (GIS SYMBOLOGY)

ABANDONED WATER SYSTEM

Abandoned Valves

- -- Abandoned Hydrants
- Abandoned Water Pipe
- Abandoned Water Drain
- Abandoned Service Point
- Abandoned Service Lateral

Abandoned Structure Points

- Unknown Structure Subtype
- ARV Air Release Chamber
- Solution Booster Station
- CTR Control Chamber
- □^{MTR}Meter Chamber
- ●^{PW} Production Well
- PRV PRV Chamber
- Reservoir Chamber
 - Water Treatment Plant

ABANDONED COLLECTION SYSTEM

- Abandoned Manholes Abandoned Cathodic (TS) Abandoned Treatment Facility Protection Test Station **Combined Manhole** X Abandoned Control Structure Wastewater Manhole \bigcirc Abandoned Pumping Station Abandoned Stormwater Ο Stormwater Manhole ٢ Management Structure \bigcirc Unknown Manhole Abandoned Casing Ō Abandoned Tracewire Access Point Abandoned CSO Structure Abandoned Lining (II) Abandoned Inlets and Outfalls Abandoned Sewer Pump --->---Abandoned Ditch Catchbasin ⊖ CS Abandoned Corp Stop Abandoned Insulation XXXXXXXX \square **Double Catchbasin** Abandoned Tracewire CC Abandoned Curb Stop **Triple Catchbasin** Abandoned Vent Line Abandoned Chambers Abandoned Headwall **Abandoned Pipes** \bigtriangledown **Diversion Chamber** 1Å1 Abandoned Outfall FM>-Combined Force Main **Diversion Point** Abandoned Fittings GP>-**Combined Gravity Pressure Pipe** Force Main Valve Chamber Bend JNC PP>-**Combined Pressure Pipe** Junction Chamber Сар ●^{CO} ISD-Pump Chamber Combined Inverted Siphon Cleanout Combined Pipe \rightarrow \bigcirc Regulating Chamber Couplina Catchbasin Lead Stormwater Treatment Unit Eccentric Reducer _ -> -Culvert T Flex Joint Tide Chamber Drain Flexible Coupling Wastewater Pre-Treatment Unit Grouted Connection FM>-Stormwater Force Main Abandoned Valves Long Radius Bend Air Release Valve GP>-Stormwater Gravity Pressure Pipe Mechanical Joint Restraint \bigcirc ALT Altitude Valve PP>-Stormwater Pressure Pipe Reducer -0-**Butterfly Valve** Stormwater Inverted Siphon Saddle Тар Stormwater Pipe 0 Ball Valve Tee Cone Valve FM> Unknown Force Main Wye Z Check Valve GP>-Unknown Gravity Pressure Pipe Vent Drain Valve PP>-Unknown Pressure Pipe Abandoned Holding Tanks \otimes Gate Valve IS>-Unknown Inverted Siphon (\mathbb{D}) Plug Valve **H** Heat Recovery Tank OPRV \rightarrow Unknown Pipe Pressure Relief Valve Surge Relief Valve FM>-Wastewater Force Main Holding Tank ۲ Valve GP>-Wastewater Gravity Pressure Pipe OF Overflow Tank Abandoned Collection System Structure PP>-Wastewater Pressure Pipe Abandoned Service Points IS Wastewater Inverted Siphon
 - uk Unknown sw Stormwater
 - sw Stormwate
 - ww Wastewater

- Abandoned Water Reservoir
- Abandoned Flowmeter

Abandoned Fittings

- × Unknown FCODE
- Adaptor
- Bend
- Blind Flange
- 🗖 Cap

Chamber Flow Arrow

- Tv⊤ Chamber Vent
- 儿 Coupling
- l<u>_</u>l Cross
 - Denso Tape

- Link Seal on a Pipe Sleeve
- M.J. Restraint Device
- Non-shrink Fill on a Pipe Sleeve
- Plug
- Reducer
- Sleeve
- Strainer
- = Tapping Sleeve
- 🗆 Tee
- □TM Test Meter Pit
- Victaulic Coupling
- 🔶 Wye

- 🐺 Wye Left
- 📥 Wye Right

Abandoned Structure Polygons

Wastewater Pipe

Lateral



DESIGN SPECIFICATIONS SECTION 7 - DRAWING REQUIREMENTS (GIS SYMBOLOGY)

SECTION 7.5.2 JUNE 2021



BASEMAP

•	Power Pole / Transmission Tower	Building
	Municipal Boundary	Road
	Railroad	Parking Area / Driveway / Sidewalk
	Rivers / Stream	Property Boundary
	Streets and Highways (1:100 - 1:8,000)	Lake
	Streets and Highways (1:16,000: - 1:64,000)	Parks / Recreational Areas
Streets and Highways (1:128,000 - 1:256,000)		Land Owned by University
	Major Highway	Coastline
	Minor Highway	

WATER SCHEMATIC

Street

Primary Street

 Water - Schematic System
 Water - Schematic Hydrant
 Water - Schematic System (Private)
 Water - Schematic Hydrant (Private)



DESIGN SPECIFICATIONS SECTION 7 - DRAWING REQUIREMENTS (GIS SYMBOLOGY)

SECTION 7.5.2 JUNE 2021

ZONES AND REGIONS

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

- Geizer 158 High
- Geizer Boosted

Geizer 123 High

- Waverley Low
- West Bedford Intermediate
- Williams Lake Low
- Hemlock Super High
- Herring Cove Low
- Herring Cove Road Intermediate



Woodside Low