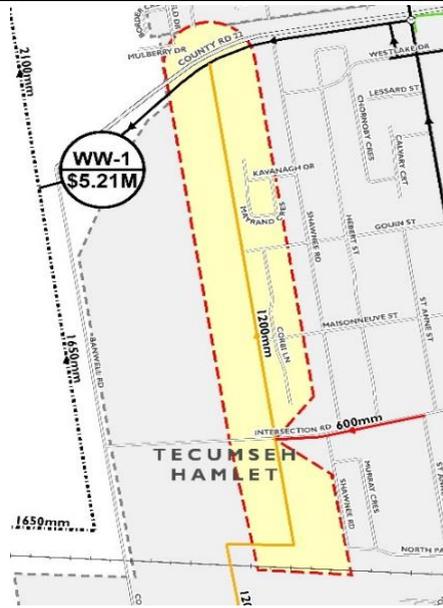


**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	West Tecumseh Trunk Sewer CR22 to CP Railway	Project No.:	WW-1
Project Timing:	2024-2028		
Project Location:	Tecumseh Hamlet		
Project Description:	Construction of trunk sanitary sewer through new development lands from County Road 22 to the north limit of CP Railway line, including a new flow metering flume upstream of the connection to the CR 22 Outlet sewer, to provide an outlet for new growth south of CR22 and to provide an outlet for the Intersection Road Diversion Sewer.		



Project Details:		
Prerequisites:	None	
Opportunities:	Combine with Water Project W-1	
Class EA Schedule:	B ¹	
Preliminary Design Data:	1820 m of 1200mm trunk sanitary sewer Metering Flume c/w SCADA connection	
Land Acquisition:	Min. 20m wide corridor to be dedicated by development	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.78
	Growth:	4.43
	Total:	5.21

Note: 1 Project may be Approved (i.e. Schedule A) if implemented under a Planning Act Application in accordance with Section A2.9 of the Class EA Process

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

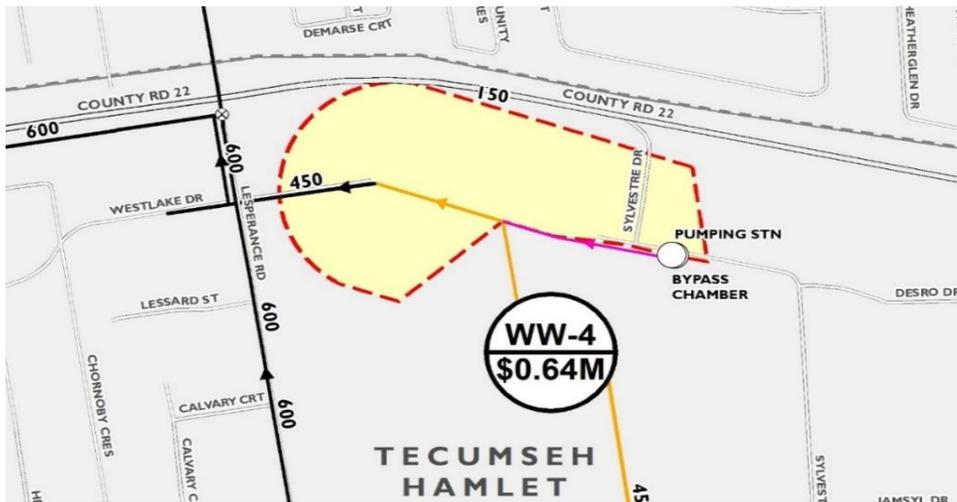
Project Name:	Tecumseh Hamlet Diversion Sewer	Project No.:	WW-2
Project Timing:	2024-2028		
Project Location:	Tecumseh Hamlet		
Project Description:	Construction of Diversion Sewer on Intersection Road from St Anne Street to the West Tecumseh Trunk Sanitary Sewer to relieve pressure on the Lesperance Road trunk sewer during wet-weather events		



Project Details:		
Prerequisites:	WW-1	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	560 m of 600mm sanitary sewer	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.59
	Growth:	0.25
	Total:	0.84

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

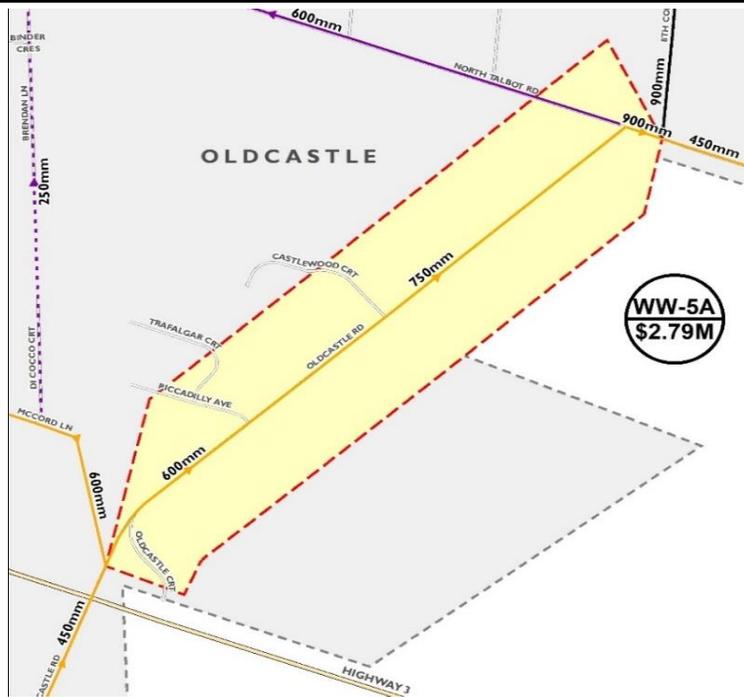
Project Name:	Sylvestre Pumping Station Upgrade	Project No.:	WW-4
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Upgrade Sylvestre Pumping Station with new Stand-by Power, and re-align discharge forcemain to outlet to new trunk sewer on Westlake Drive		



Project Details:		
Prerequisites:	None	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	Pump Station Upgraded to 32 L/s Firm Rated Capacity 450 m of 200mm Forcemain Permanent Stand-By Power in an Sound Attenuating Enclosure SCADA Monitoring	
Land Acquisition:	None	
Easement Acquisition:	Minimum 3.0m wide x 6.0m long easement for stand-by power	
Estimated Capital Cost (\$million):	Existing Development:	0.26
	Growth:	0.38
	Total:	0.64

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

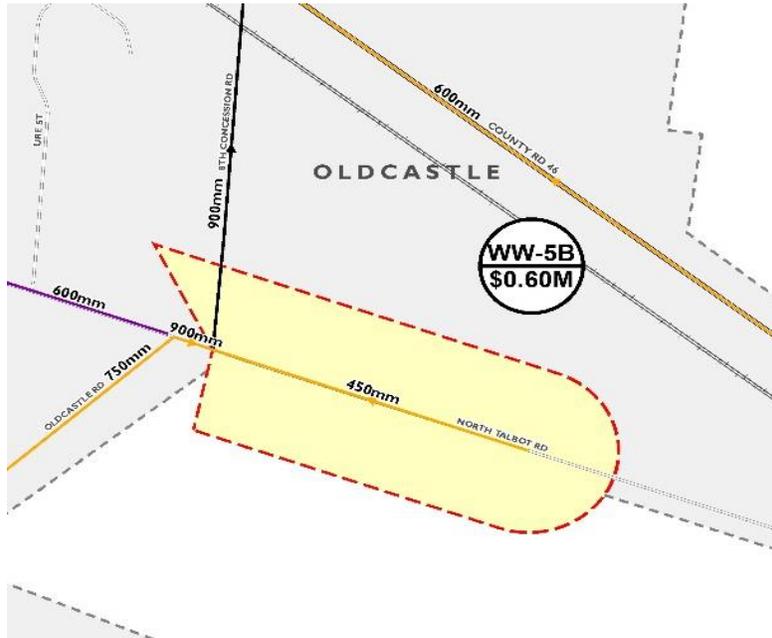
Project Name:	North Talbot Road Trunk Sewer, Oldcastle Road (North Talbot to Chrysler Greenway)	Project No.:	WW-5A
Project Timing:	2024-2028		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of Trunk Sanitary Sewer on 8th Concession Road from North Talbot Road to Chrysler Greenway		



Project Details:		
Prerequisites:	None	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	650 m of 750mm trunk sanitary sewer 750 m of 600mm trunk sanitary sewer	
Land Acquisition:	None	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.56
	Growth:	2.23
	Total:	2.79

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

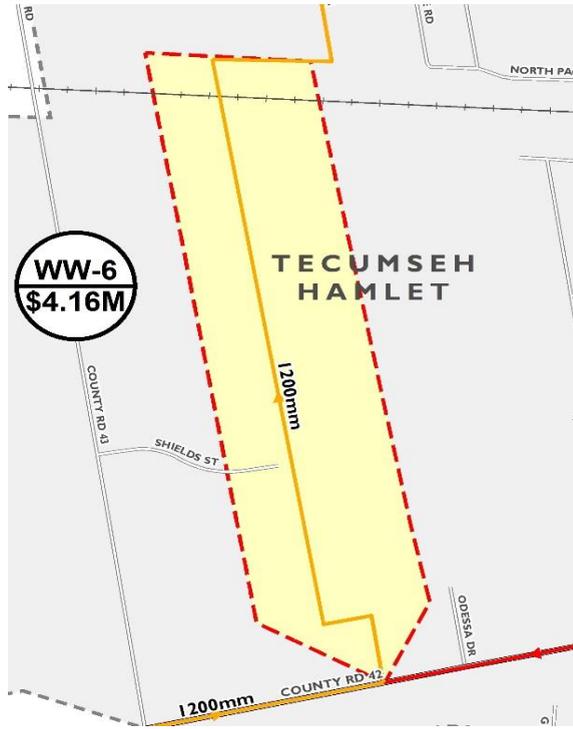
Project Name:	North Talbot Road Trunk Sewer, Oldcastle Road to 475m east of Oldcastle Road	Project No.:	WW-5B
Project Timing:	2029-2034		
Project Location:	Oldcastle Hamlet		
Project Description:	Extension of Trunk Sanitary Sewer on North Talbot Road from 8th Concession Road westerly		



Project Details:		
Prerequisites:	None	
Opportunities:		
Class EA Schedule:	A+	
Preliminary Design Data:	475 m of 450mm trunk sanitary sewer	
Land Acquisition:	None	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.12
	Growth:	0.48
	Total:	0.60

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	West Tecumseh Trunk Sewer CP Railway to CR 42	Project No.:	WW-6
Project Timing:	2029-2033		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of Trunk Sanitary sewer through new development lands, from the north side of CP Railway to County Road 42, including an under-crossing of the CP Railway line and the HONI ROW.		

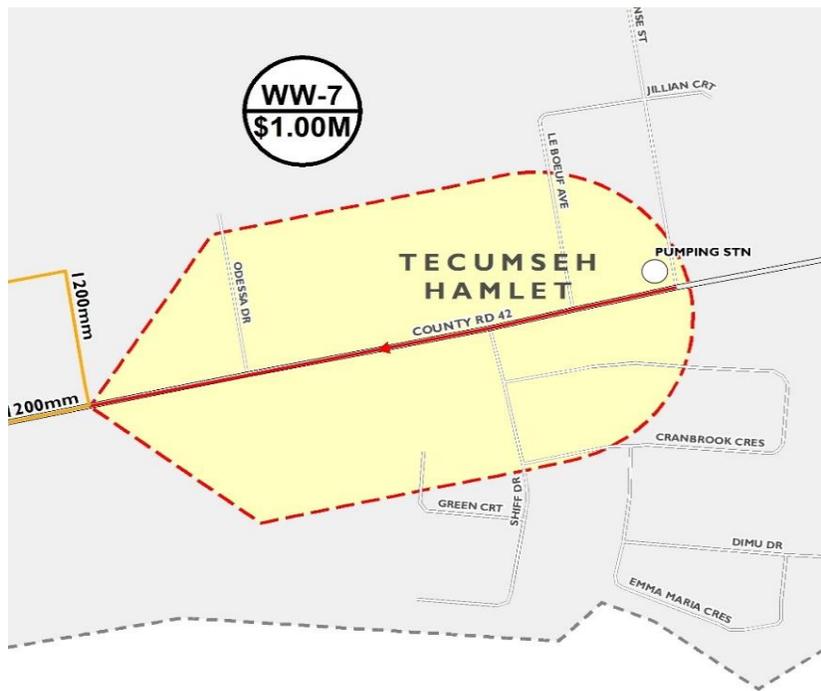


Project Details:		
Prerequisites:	Completion of WW-1	
Opportunities:	Combine with W-4	
Class EA Schedule:	B ¹	
Preliminary Design Data:	1,335m of 1200mm trunk sanitary sewer	
Land Acquisition:	Min. 20m Road Allowance to be dedicated by development	
Easement Acquisition:	Min. 20.0 m wide easement from CP Rail and HONI	
Estimated Capital Cost (\$million):	Existing Development:	\$0.83
	Growth:	\$3.33
	Total:	\$4.16

Note: 1 Project may be Approved (i.e. Schedule A) if implemented under a Planning Act Application in accordance with Section A2.9 of the Class EA Process

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

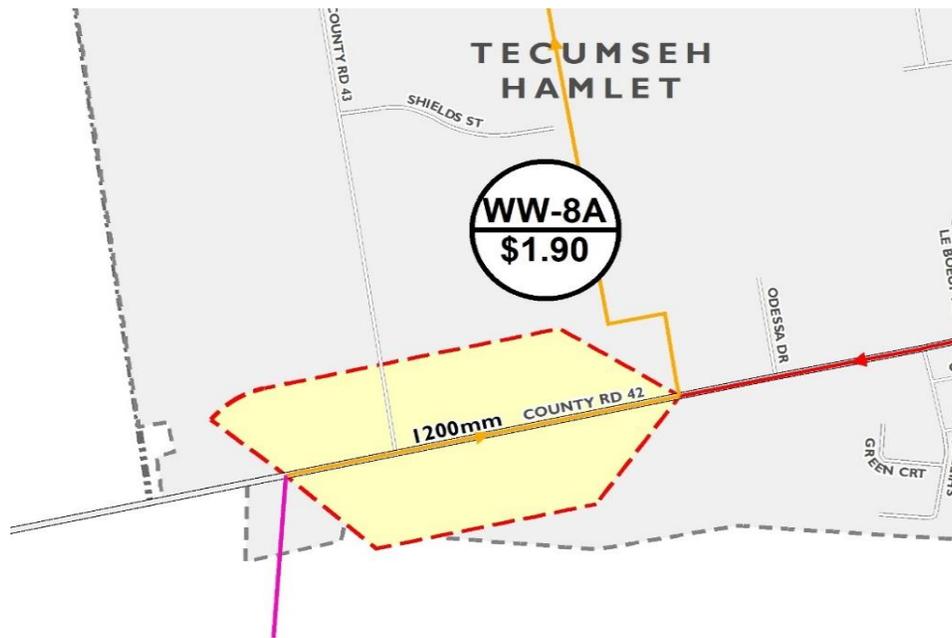
Project Name:	CR42 Diversion Sewer	Project No.:	WW-7
Project Timing:	2029-2033		
Project Location:	Tecumseh Hamlet		
Project Description:	Diversion sewer on County Road 42 from Lesperance Road to West Tecumseh Trunk Sewer (WW-6) to alleviate surcharge in the St Alphonse trunk sanitary sewer, and including the decommissioning of the St. Alphonse Pumping Station		



Project Details:		
Prerequisites:	WW-6	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	600 m of 600mm sanitary sewer Decommissioning of existing St. Alphonse Pumping Station	
Land Acquisition:	None	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.80
	Growth:	0.20
	Total:	1.00

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	South Tecumseh Trunk Sewer, CR 42 (Odessa Drive to 11th Concession Road)	Project No.:	WW-8A
Project Timing:	2029-2033		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of Trunk Sanitary Sewer on County Road 42 from the West Tecumseh Trunk Sewer to 11th Concession Road		



Project Details:		
Prerequisites:	WW-6	
Opportunities:	Coordinate with County Roadwork on CR #42	
Class EA Schedule:	A+	
Preliminary Design Data:	600m of 1200mm trunk sanitary sewer	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.19
	Growth:	1.71
	Total:	1.90

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

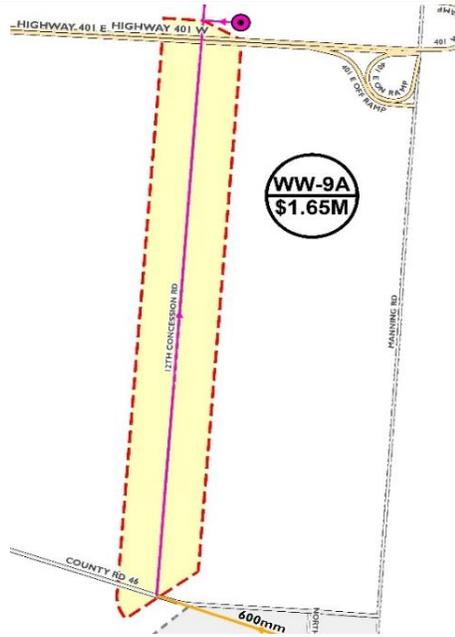
Project Name:	South Tecumseh Trunk Forcemain, CR42 to Highway 401	Project No.:	WW-8B
Project Timing:	2034-2038		
Project Location:	Tecumseh Hamlet		
Project Description:	Construction of a trunk sanitary forcemain from CR42 at 11th Concession Road to the north side of Highway 401 on 12th Concession Road, to provide an outlet for the Highway Commercial Lands as well as for existing and new development in Maidstone Hamlet		



Project Details:		
Prerequisites:	WW-8A	
Opportunities:	Combine with Water Project No. W-6 Alignment could shift to be incorporated into new development lands	
Class EA Schedule:	A+	
Preliminary Design Data:	4,900m of 300mm sanitary sewer Forcemain 6ea - Valve and Drain Chambers	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.36
	Growth:	3.25
	Total:	3.61

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

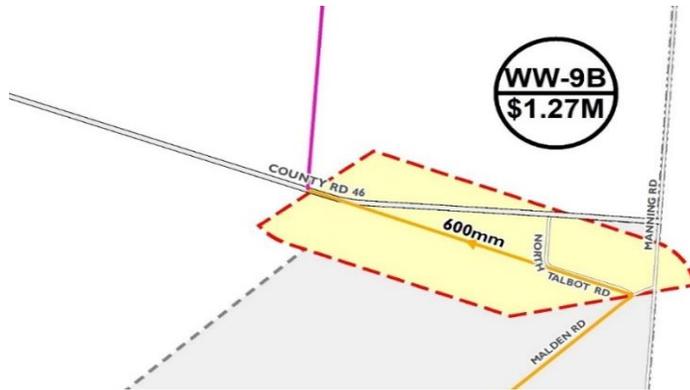
Project Name:	South Tecumseh Trunk Forcemain, Highway 401 to North Talbot Road	Project No.:	WW-9A
Project Timing:	2039+		
Project Location:	Maidstone Hamlet		
Project Description:	Extension of the trunk Sanitary Forcemain on 12th Concession Road from the north side of Highway 401 to County Road 46 (North Talbot Road), including a trenchless undercrossing of Highway 401, to provide a sanitary outlet for existing and new development in Maidstone Hamlet.		



Project Details:		
Prerequisites:	WW-8B	
Opportunities:	Combine with Water Project No. W-7	
Class EA Schedule:	A+	
Preliminary Design Data:	2,050m of 300mm sanitary forcemain Valve and Drain Chambers Undercrossing of Highway 401	Trenchless
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.25
	Growth:	1.40
	Total:	1.65

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	South Tecumseh Trunk Sewer, 12th Concession Road to Malden Road	Project No.:	WW-9B
Project Timing:	2039+		
Project Location:	Maidstone Hamlet		
Project Description:	Construction of trunk sanitary sewer on County Road 46 (North Talbot Road) from the Maidstone Hamlet Pump Station (WW-15) to Malden Road.		



Project Details:		
Prerequisites:	WW-9A, WW-15	
Opportunities:	Combine with Water Project No. W-7A	
Class EA Schedule:	A+	
Preliminary Design Data:	850m of 600mm trunk sanitary sewer	
Land Acquisition:	None	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.19
	Growth:	1.08
	Total:	1.27

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Maidstone Hamlet Trunk Sewer	Project No.:	WW-10
Project Timing:	2039+		
Project Location:	Maidstone Hamlet		
Project Description:	Construction of a Trunk Sanitary sewer extension on Malden Road from County Road 46 (North Talbot Road) to County Road 34 (Talbot Road) to provide an outlet for existing and new development in Maidstone Hamlet		

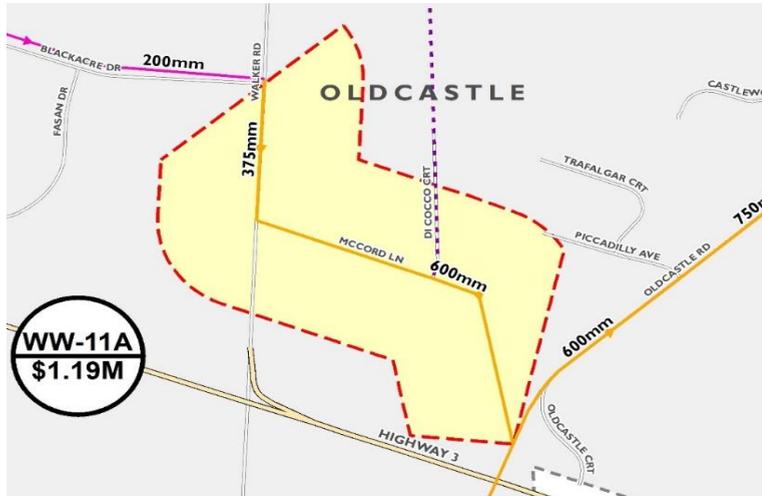


Project Details:

Prerequisites:	WW-9	
Opportunities:	Combine with Water Project No. W-8	
Class EA Schedule:	A+	
Preliminary Design Data:	1,350m of 600mm trunk sanitary sewer	
Land Acquisition:	None	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.30
	Growth:	1.72
	Total:	2.02

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Southwest Tecumseh Trunk Sewer, Phase 1	Project No.:	WW-11A
Project Timing:	2024-2028		
Project Location:	Oldcastle Hamlet		
Project Description:	Extension of Trunk Sanitary Sewer from Oldcastle Road north-westerley along the Chrysler Greenway and McCord Lane. Extension of a local sewer along Walker Road to Blackacre Drive (not included in cost)		



Project Details:		
Prerequisites:	WW-11A	
Opportunities:	Combine with Water Project No. W-12	
Class EA Schedule:	A+	
Preliminary Design Data:	640m of 600mm Trunk Sanitary Sewer along the Chrysler Greenway and McCord Lane 235 m of local 375mm Sanitary sewer on Walker Road ¹	
Land Acquisition:	None	
Easement Acquisition:	6m wide x 200m long easement from Oldcastle Road to McCord Lane along Chrysler Greenway (Roll No. 490000000100000)	
Estimated Capital Cost (\$million):	Existing Development:	0.33
	Growth:	0.73
	Local Sewer:	0.13
	Total:	1.19

Note: 1. According to local Servicing Bylaw, local sewers (375mm dia. and smaller) are not Development Charge eligible

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Southwest Tecumseh Trunk Sewer Phase 2	Project No.:	WW-11B
Project Timing:	2039+		
Project Location:	Oldcastle Hamlet		
Project Description:	Extension of Trunk Sanitary Sewer on 8th Concession Road southerly from Highway 3, and westerley to Walker Road		



Project Details:		
Prerequisites:	WW-11A	
Opportunities:	Combine with Water Project No. W-12	
Class EA Schedule:	A+	
Preliminary Design Data:	705 m of 450mm sanitary sewer on 8th Concession Road south of Hwy 3, including crossing to Walker Road 80m undercrossing of Highway 3 by Jack & Bore	
Land Acquisition:	None	
Easement Acquisition:	6m wide x 270m long easement between Oldcastle Road and Walker Road (Roll No. 470000088000000)	
Estimated Capital Cost (\$million):	Existing Development:	0.17
	Growth:	1.03
	Total:	1.20

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Manning Road Secondary Plan Area Trunk Sewer	Project No.:	WW-12
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Construction of a Trunk Sanitary Sewer through new development lands from Westlake Drive to the Manning Road Secondary Plan area Pumping Station (WW-13)		

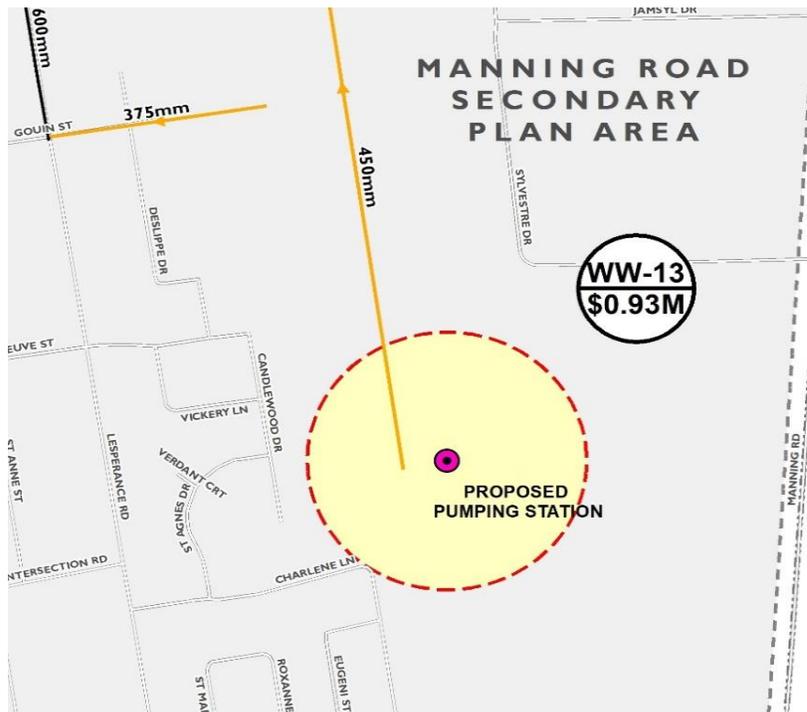


Project Details:

Prerequisites:	None	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	1440m of 450mm Trunk Sanitary sewer	
Land Acquisition:	Minimum 20.0 m wide corridor dedicated through Plans of Subdivision	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.00
	Growth:	1.10
	Total:	1.10

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Manning Road Secondary Plan Area Sanitary Lift Station	Project No.:	WW-13
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Construction of a new Sanitary Pumping Station to Service a portion of the Manning Road Secondary Plan area.		

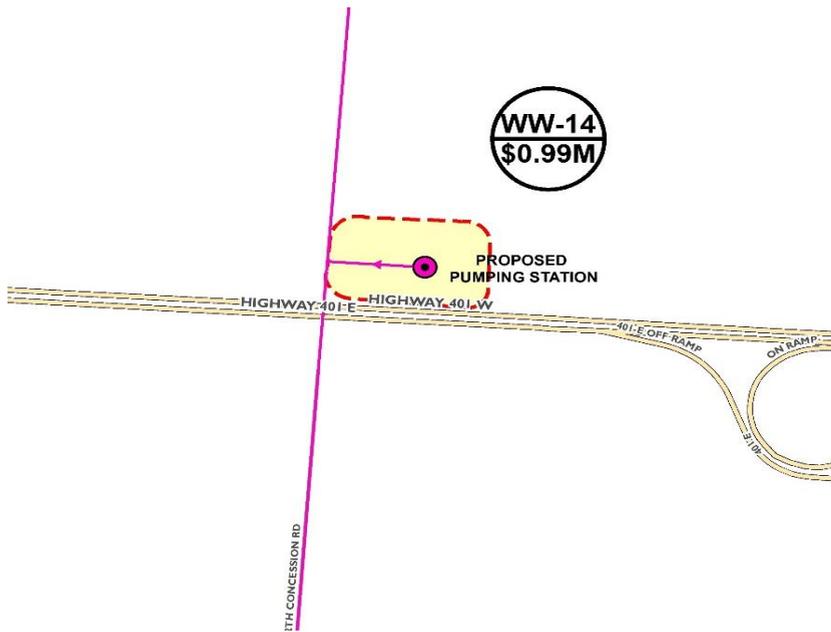


Project Details:

Prerequisites:	WW-12	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	Construction of a Pumping Station	
Land Acquisition:	Minimum 15m x 15 m parcel dedicated through Plan of Subdivision	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.00
	Growth:	0.93
	Total:	0.93

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Highway Commercial Lands Sanitary Pumping Station	Project No.:	WW-14
Project Timing:	2034-2038		
Project Location:	Tecumseh Hamlet		
Project Description:	Construction of a Sanitary Pumping Station to service the Highway Commercial Lands		



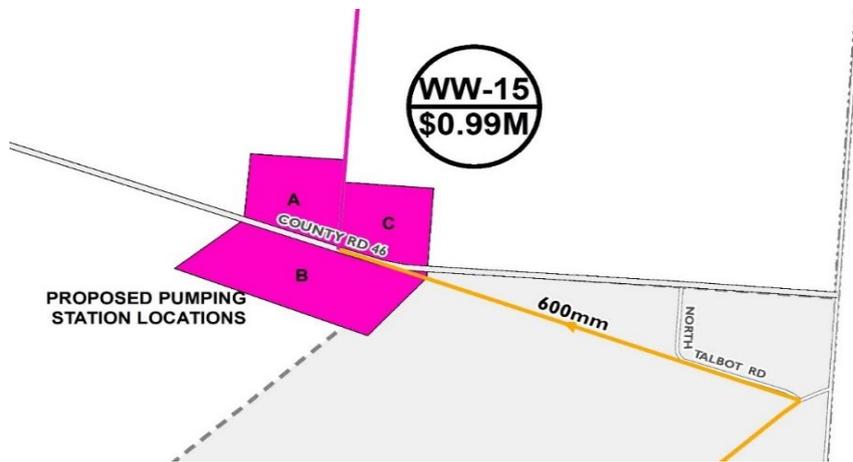
Project Details:

Prerequisites:	WW-8B	
Opportunities:	None	
Class EA Schedule:	B ¹	
Preliminary Design Data:	Construction of a Pumping Station, Firm Rated Capacity of 29 L/s	
Land Acquisition:	Land to be dedicated through Approved Development Plan	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.00
	Growth:	0.99
	Total:	0.99

Note: 1 Project may be Approved (i.e. Schedule A) if implemented under a Planning Act Application in accordance with Section A2.9 of the Class EA Process

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Maidstone Hamlet Sanitary Pumping Station	Project No.:	WW-15
Project Timing:	2039+		
Project Location:	Maidstone Hamlet		
Project Description:	Sanitary Pumping Station to service existing and new development in Maidstone Hamlet		

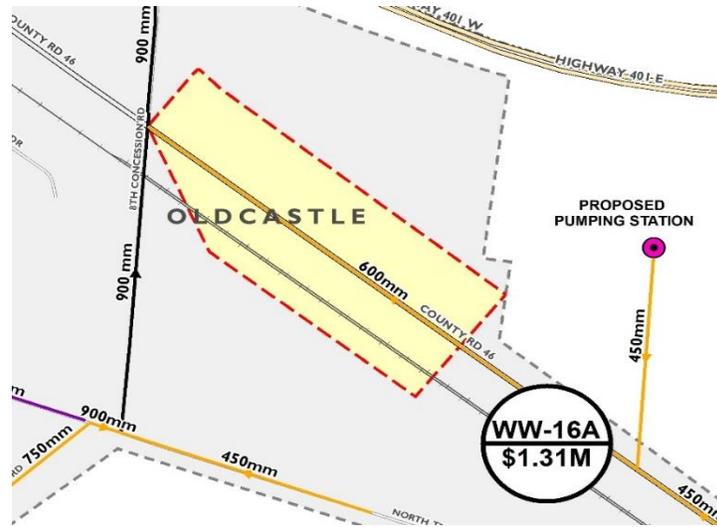


Project Details:		
Prerequisites:	WW-9B	
Opportunities:	N/A	
Class EA Schedule:	B	
Preliminary Design Data:	Construction of a Pumping Station with Firm Capacity of 68 L/s ¹	
Land Acquisition:	Minimum 20m x 20m block recommended	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.13
	Growth:	0.86
	Total:	0.99

Note: 1. Design to make provision to permit future expansion to 125 L/s

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

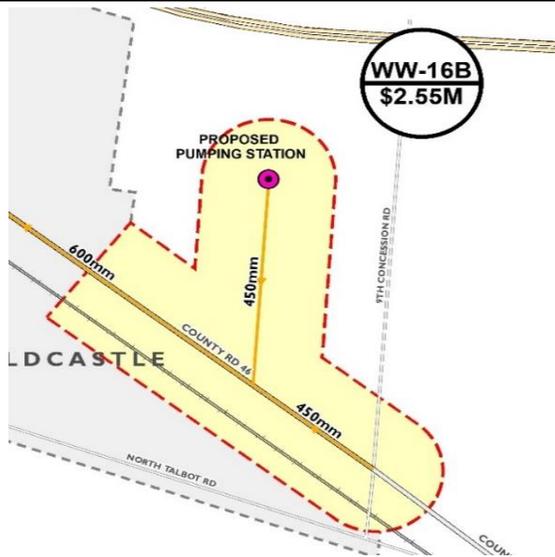
Project Name:	County Road 46 Trunk Sanitary Sewer, Phase 1	Project No.:	WW-16A
Project Timing:	2029-2033		
Project Location:	Maidstone Hamlet		
Project Description:	Construction of a Trunk Sanitary Sewer on County Road 46 (Provincial Road) from 8th Concession Road to the west limits of the expanded Oldcastle Hamlet area.		



Project Details:		
Prerequisites:	None	
Opportunities:	Combine with Water Project No. W-12A	
Class EA Schedule:	A+	
Preliminary Design Data:	875m of 600mm Trunk Sanitary Sewer on CR 46	
Easement / Land Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.09
	Growth:	1.22
	Total:	1.31

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	County Road 46 Trunk Sanitary Sewer, Phase 2	Project No.:	WW-16B
Project Timing:	2034-2038		
Project Location:	Maidstone Hamlet		
Project Description:	Construction of a Trunk Sanitary Sewer on County Road 46 (Provincial Road) from the west limits of the expanded Oldcastle Hamlet area, including the extension of a Trunk Sanitary Sewer through new development lands and a new Lift Station.		



Project Details:		
Prerequisites:	None	
Opportunities:	Combine with Water Project No. W-12A	
Class EA Schedule:	A+	
Preliminary Design Data:	375m of 600mm Trunk Sanitary Sewer on CR 46 450m of 450mm Trunk Sanitary Sewer on CR 46 375m of 450mm Trunk Sanitary Sewer through new development lands Construction of a Lift Station to service the expanded service area.	
Easement / Land Acquisition:	10 x 10m Block for Lift Station (Roll No. 5400000112000000) 9 x 375m easement for sewer outlet (Roll No. 5400000113000000)	
Estimated Capital Cost (\$million):	Existing Development:	0.02
	Growth:	2.53
	Total:	2.55

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Blackacre Drive Sanitary Servicing	Project No.:	WW-17
Project Timing:	2029-2034		
Project Location:	Maidstone Hamlet		
Project Description:	Construction of a new Sanitary Pumping Station and discharge Forcemain on Blackacre Drive, and construction of a local Sanitary Sewer on Blackacre Drive from the new Pumping Station to Outer Drive		

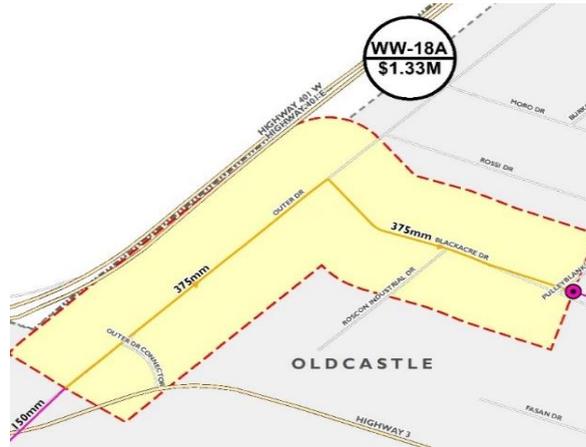


Project Details:		
Prerequisites:	WW-11	
Opportunities:	Combine with Water Project No. W-13	
Class EA Schedule:	B	
Preliminary Design Data:	600m of 375mm local Sanitary Sewer on Blackacre Drive 720m of 200mm Sanitary Forcemain Construction of a Pump Station	
Land Acquisition:	Minimum 10m x 10m Block for Pumping Station	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.31
	Growth:	1.08
	Local:	0.74
	Total:	2.13

Note: 1. According to local Servicing Bylaw, local sewers (375mm dia. and smaller) are not Development Charge eligible

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Howard Avenue Sanitary Servicing, Blackacre Drive and Outer Drive to Hwy 3	Project No.:	WW-18A
Project Timing:	2034-2039		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of a Trunk Sanitary Sewer on Outer Drive from Blackacre Drive to Highway 3, and construction of a local Pumping Station and discharge forcemain for service existing and future development on Howard Avenue.		



Project Details:		
Prerequisites:	WW-17	
Opportunities:	Coordinate with local watermain upgrade on Blackacre Drive and Outer Drive (W-13)	
Class EA Schedule:	B	
Preliminary Design Data:	600m - 375mm Sanitary Sewer on Blackacre Dr	
	795m - 375mm Sanitary Sewer on Outer Dr	
Land Acquisition:	Min. 10m x 10m for Pumping Station (Roll No. 470000054020000)	
Easement Acquisition:	6m wide easement along un-opened portion of Outer Drive (604m long, Roll No. 470000015800000), and 316m long from Outer Drive to Howard Ave (Roll No. 470000051000000)	
Estimated Capital Cost (\$million):	Existing Development:	\$0.10
	Growth:	\$0.47
	Local Sewers:	\$0.76
	Total:	\$1.33

Note: 1. According to local Servicing Bylaw, local sewers (375mm dia. and smaller) are not Development Charge eligible

**2018 WATER AND WASTEWATER MASTER PLAN UPDATE
RECOMMENDED PROJECT DATA SHEET (WASTEWATER)**

Project Name:	Howard Avenue Sanitary Servicing, Hwy 3 to MTO Carpool Lot	Project No.:	WW-18B
Project Timing:	2039+		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of a Trunk Sanitary Sewer on Outer Drive from Blackacre Drive to Highway 3, and construction of a local Pumping Station and discharge forcemain for service existing and future development on Howard Avenue.		



Project Details:

Prerequisites:	WW-17	
Opportunities:	none	
Class EA Schedule:	B	
Preliminary Design Data:	Construction of Pumping Station 150m Highway 3 undercrossing 675m of 150mm sanitary forcemain, including crossing Highway 3	
Land Acquisition:	Min. 10m x 10m for Pumping Station (Roll No. 470000054020000)	
Easement Acquisition:	6m wide easement along un-opened portion of Outer Drive (604m long, Roll No. 470000015800000), and 316m long from Outer Drive to Howard Ave (Roll No. 470000051000000)	
Estimated Capital Cost (\$million):	Existing Development:	\$0.17
	Growth:	\$0.80
	Local Sewers:	\$0.76
	Total:	\$1.73

Note: 1. According to local Servicing Bylaw, local sewers (375mm dia. and smaller) are not Development Charge eligible