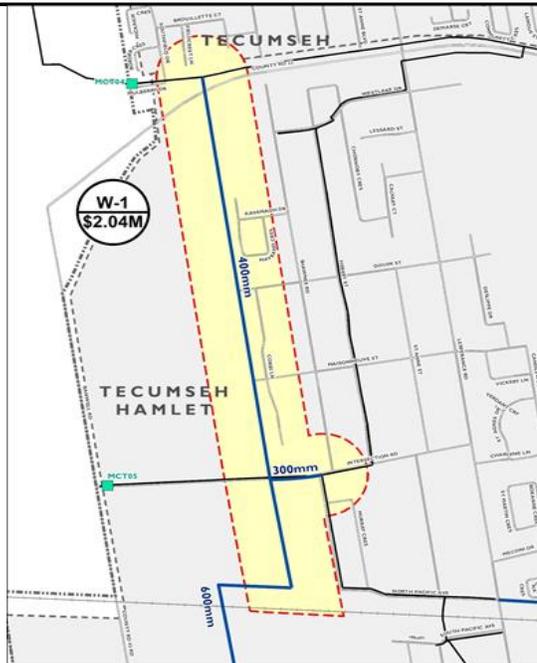


**2018 WATER AND WASTEWATER MASTER PLAN UPDATE  
RECOMMENDED PROJECT DATA SHEET (WATER)**

Project Name:	West Tecumseh Trunk Watermain CR22 to CP Railway	Project No.:	<b>W-1</b>
Project Timing:	2024-2028		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from CR22 to the north side of CP Railway through easements or planned road allowances, including a connection to the existing 300mm trunk watermain on Shawnee Road, to supply water for new growth south of CR #22 and to strengthen existing distribution system		

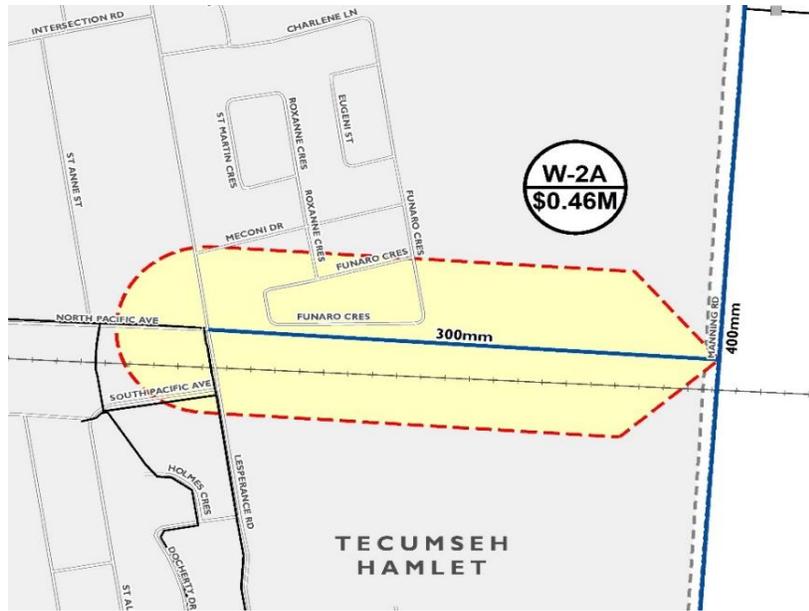


<b>Project Details:</b>		
Prerequisites:	Alignment to be confirmed through Approved Development Plans	
Opportunities:	Combine with wastewater Project WW-1	
Class EA Schedule:	B <sup>1</sup>	
Preliminary Design Data:	1,530 m of 400mm trunk watermain 400 m of 600mm trunk watermain 275 m of 300mm watermain	
Land Acquisition:	Min. 20m Road Allowance to be dedicated by development	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.10
	Growth:	1.94
	Total:	2.04

Note: 1 - Project may be Approved (i.e. Schedule A) if implemented under and Approved Plan of Subdivision

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

Project Name:	East Tecumseh Hamlet Watermain Connection	Project No.:	<b>W-2A</b>
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from Lesperance Road to Manning Road adjacent to the CP Railway corridor, to provide water supply and improve Fire Flows for new growth south of CR 22.		



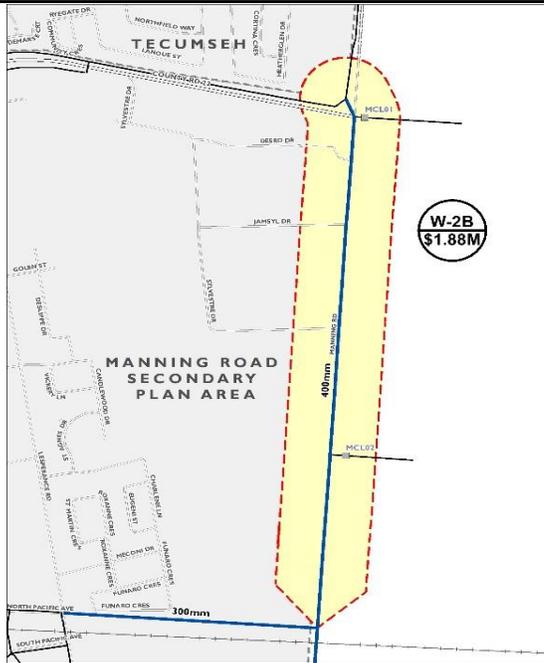
**Project Details:**

Prerequisites:	Trunk Watermain on Manning Road (Project W-2b)	
Opportunities:	Potential to coordinate with Development in Manning Road Secondary Plan Area	
Class EA Schedule:	B <sup>1</sup>	
Preliminary Design Data:	825 m of 300mm trunk watermain	
Land Acquisition:	N/A	
Easement Acquisition:	Min 5.0 m wide Easement adjacent to CP Railway line	
Estimated Capital Cost (\$million):	Existing Development:	0.09
	Growth:	0.37
	Total:	0.46

Note: 1 - Project may be Approved (i.e. Schedule A) if implemented under and Approved Plan of Subdivision

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

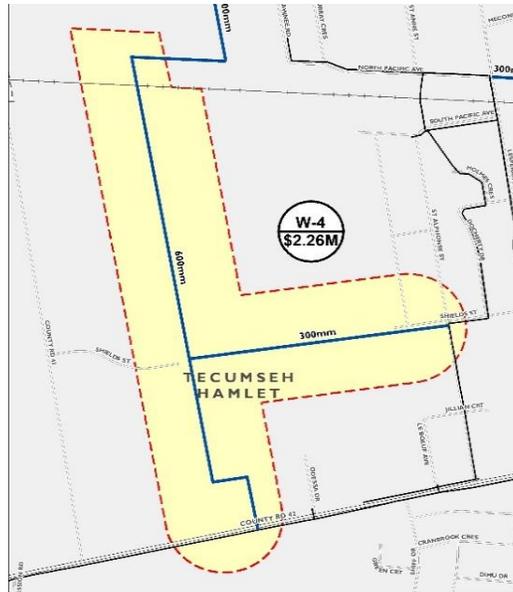
Project Name:	Trunk Watermain on Manning Road CR22 to CP Railway	Project No.:	<b>W-2B</b>
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Upgrade of a trunk watermain along Manning Road from County Road 22 to CP Railway, to provide water supply for new growth south of CR #22.		



<b>Project Details:</b>		
Prerequisites:	None	
Opportunities:	Construction could be co-ordinated with Manning Road Upgrades	
Class EA Schedule:	A+	
Preliminary Design Data:	2,100 m of 400mm trunk watermain	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.38
	Growth:	1.50
	Total:	1.88

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

Project Name:	West Tecumseh Trunk Watermain CP Railway to CR 42	Project No.:	<b>W-4</b>
Project Timing:	2029-2033		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from CP Railway to County Road 42, including an undercrossing of the CP Railway and HONI Corridors and a connection to the existing watermain on St. Alphonse Avenue, to provide water supply for new growth south of CP Railway and to improve Fire Flows in existing developments		

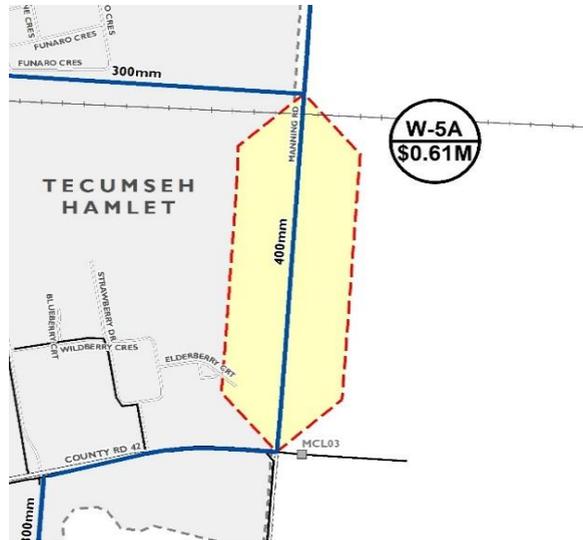


<b>Project Details:</b>		
Prerequisites:	Alignment to be established through Approved Development Plans	
Opportunities:	Combine with Wastewater Project No. WW-6	
Class EA Schedule:	B <sup>1</sup>	
Preliminary Design Data:	475 m of 300mm trunk watermain 1,240 m of 600mm trunk watermain CP Railway and HONI corridor crossings	
Land Acquisition:	Min. 20m Road Allowance to be dedicated by development	
Easement Acquisition:	Min. 5.0 m wide easement from CP Rail and HONI	
Estimated Capital Cost (\$million):	Existing Development:	0.11
	Growth:	2.13
	Total:	2.26

Note: Project may be Approved (i.e. Schedule A) if implemented under and Approved Plan of Subdivision

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

Project Name:	Trunk Watermain on Manning Road CP Railway to CR 42	Project No.:	<b>W-5A</b>
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain on Manning Road from CP Railway to CR 42, and on CR42 from 12th Concession Road to Manning Road, to provide water supply for new growth south of CP Railway and to improve Fire Flows in existing developments		

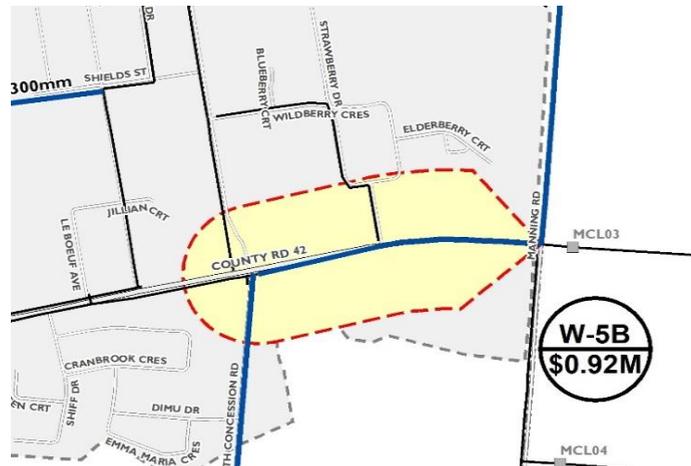


**Project Details:**

Prerequisites:	None	
Opportunities:	Construction could be coordinated with CR42 Upgrades	
Class EA Schedule:	A+	
Preliminary Design Data:	960 m of 400mm trunk watermain on Manning Road 31 m undercrossing of the CP Railway corridor	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.06
	Growth:	0.55
	Total:	0.61

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

Project Name:	Trunk Watermain on County Road 42 11th Concession Road to Manning Road	Project No.:	<b>W-5B</b>
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain on Manning Road from CP Railway to CR 42, and on CR42 from 12th Concession Road to Manning Road, to provide water supply for new growth south of CP Railway and to improve Fire Flows in existing developments		

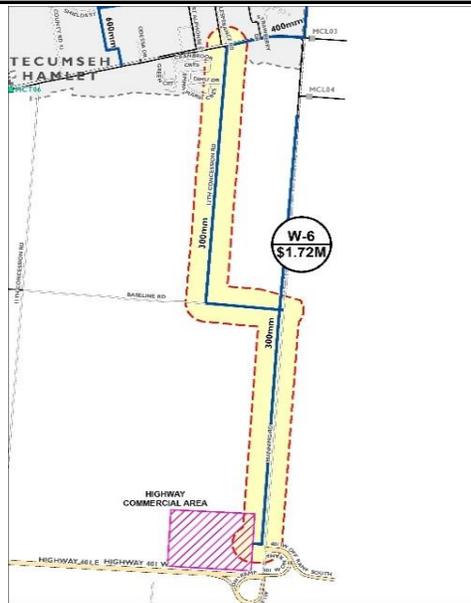


**Project Details:**

Prerequisites:	Completion of Project No. W-2B	
Opportunities:	Construction could be coordinated with Manning Road Upgrades	
Class EA Schedule:	A+	
Preliminary Design Data:	575 m of 400mm trunk watermain on County Road 42	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.09
	Growth:	0.83
	Total:	0.92

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

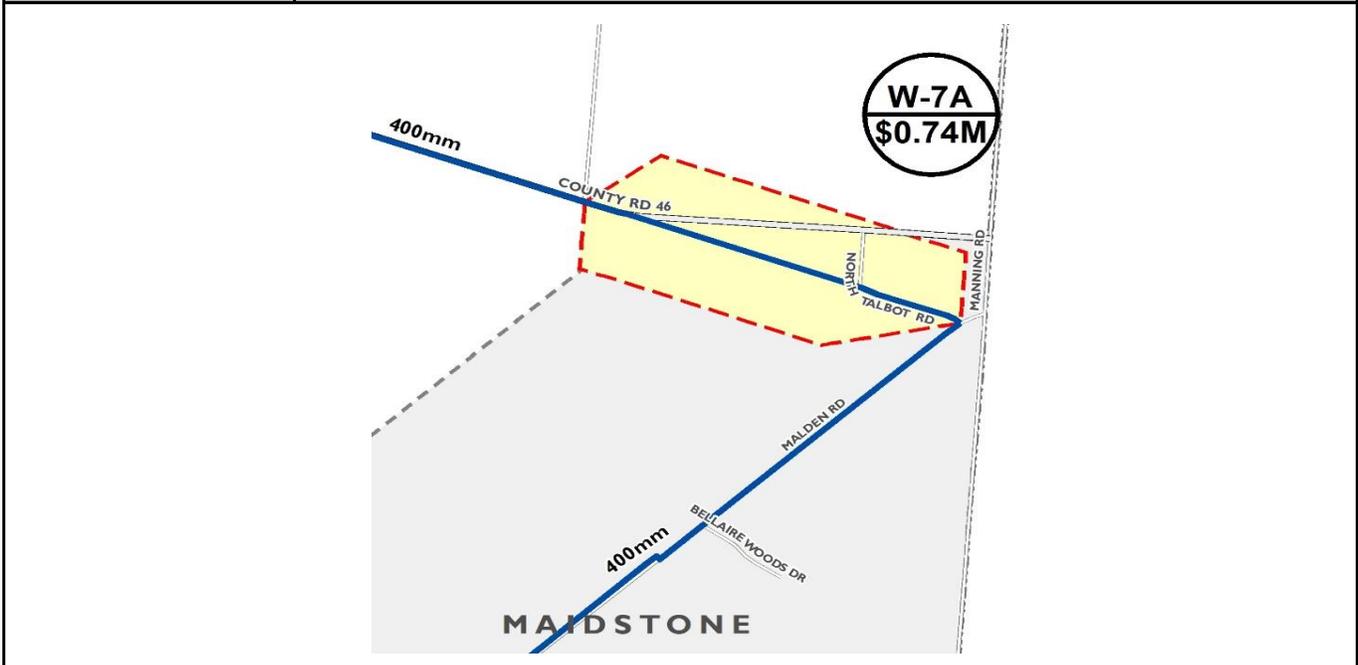
Project Name:	South Tecumseh Trunk Watermain CR42 to Highway 401	Project No.:	<b>W-6</b>
Project Timing:	2039+		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from CR 42 along 12th Concession, Baseline Road, and Manning Road to the Highway Commercial Area and a 200mm trunk watermain along Manning Road from Baseline Road to connect to existing distribution system at MCL04, to provide water supply for new growth south of CR #42.		



<b>Project Details:</b>		
Prerequisites:	Completion of West Tecumseh trunk watermain (Project No. W-5)	
Opportunities:	Alignment could shift to be incorporated in new development Combine with Project WW-8	
Class EA Schedule:	A+	
Preliminary Design Data:	4,220 m of 300mm trunk watermain, 12th Concession, Baseline Road, Manning Road	
Land Acquisition:	Min. 20m Road Allowance to be dedicated if Alternative alignment selected	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.26
	Growth:	1.46
	Total:	1.72

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

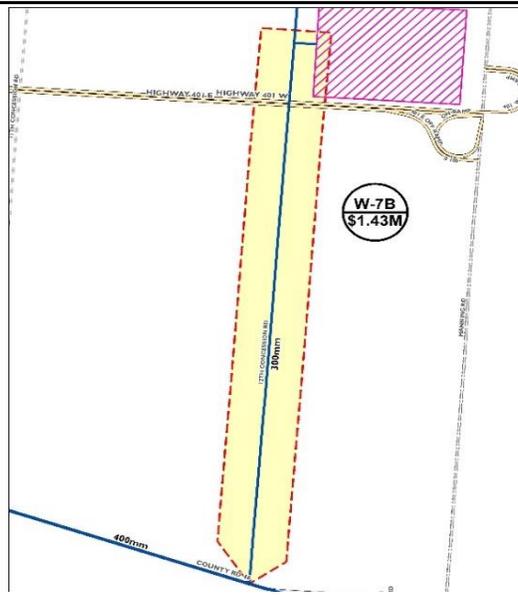
Project Name:	South Tecumseh Trunk Watermain 12th Concession Road to Malden Road	Project No.:	<b>W-7A</b>
Project Timing:	2034-2038		
Project Location:	Maidstone Hamlet		
Project Description:	Extension of a trunk watermain on Middle Road from 12th Concession Road to Malden Road to improve water supply to existing and new growth areas south of Highway 401.		



<b>Project Details:</b>		
Prerequisites:	Completion of County Road 46 Trunk Watermain to 12th Concession Road (Project No. W-11)	
Opportunities:	Combine with Wastewater Project No. WW-9	
Class EA Schedule:	A+	
Preliminary Design Data:	850 m of 400mm trunk watermain on Middle Road	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.11
	Growth:	0.63
	Total:	0.74

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

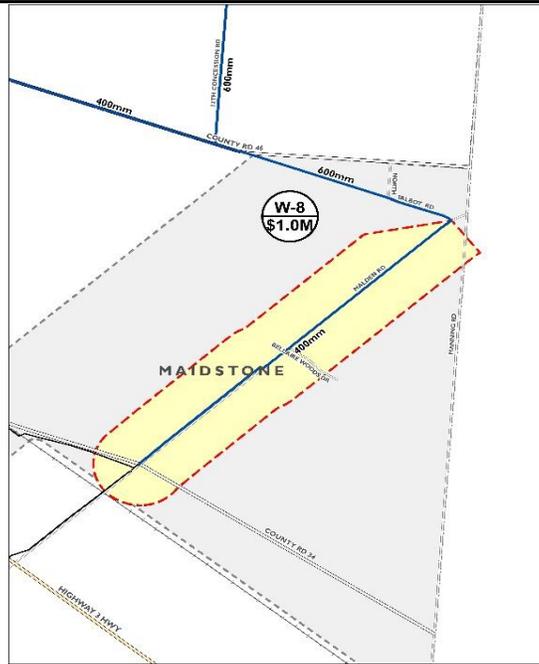
Project Name:	South Tecumseh Trunk Watermain CR 46 to Highway 401	Project No.:	<b>W-7B</b>
Project Timing:	2039+		
Project Location:	Maidstone Hamlet		
Project Description:	Extension of a trunk watermain on 12th Concession Road including a crossing of Highway 401 to provide water supply to new growth areas south of Highway 401 and to provide security of supply to the Highway Commercial area.		



<b>Project Details:</b>		
Prerequisites:	Completion of County Road 46 Trunk Watermain to 12th Concession Road (Project No. W-11)	
Opportunities:	Combine with Wastewater Project No. WW-9	
Class EA Schedule:	A+	
Preliminary Design Data:	2,025 m of 300mm trunk watermain on 12th Concession Road 100 m Highway 401 Crossing 1 - Zone Isolation valve c/w SCADA Monitoring	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.19
	Growth:	1.24
	Total:	1.43

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

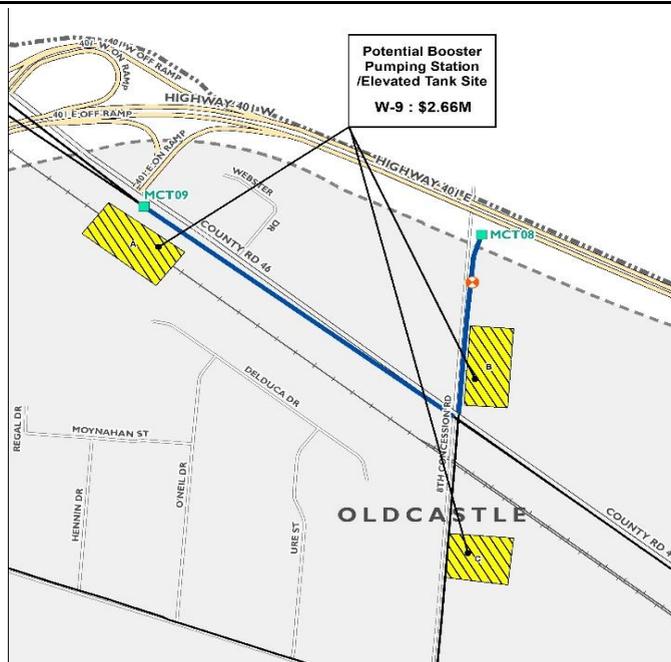
Project Name:	Maidstone Hamlet Trunk Watermain	Project No.:	<b>W-8</b>
Project Timing:	2034-2038		
Project Location:	Maidstone Hamlet		
Project Description:	Extension of a trunk watermain on Malden Road from County Road 34 to Middle Road to provide water supply for new growth in Maidstone Hamlet, and to improve Fire Flows for existing development		



<b>Project Details:</b>		
Prerequisites:	Completion of Project No. W-7A	
Opportunities:	Combine with Wastewater Project No. WW-10	
Class EA Schedule:	A+	
Preliminary Design Data:	1,155 m of 400mm trunk watermain on North Talbot Road	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.20
	Growth:	0.80
	Total:	1.00

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

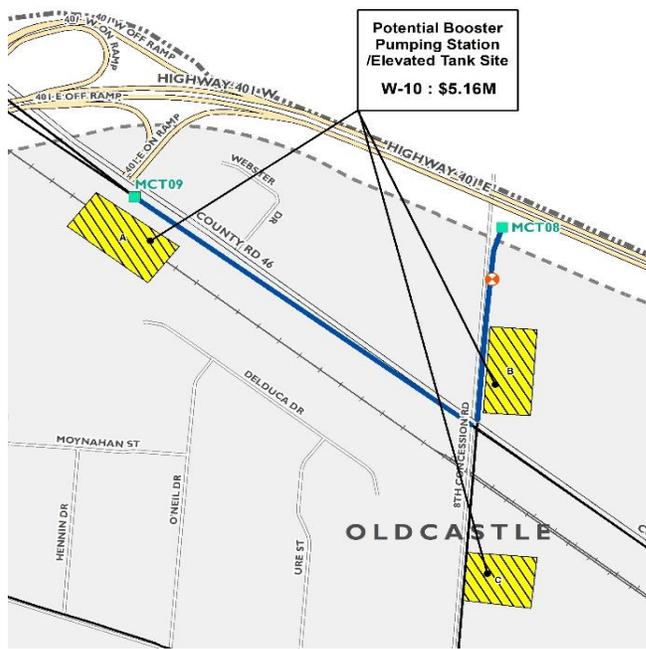
Project Name:	Zone 2 Booster Pumping Station	Project No.:	<b>W-9</b>
Project Timing:	2019-2023		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of a booster pumping station and zone isolation valves in south service area to improve water pressure for existing developments and new growth in south service area.		



<b>Project Details:</b>		
Prerequisites:	Completion of W-12A	
Opportunities:		
Class EA Schedule:	B	
Preliminary Design Data:	LS of 100L/s Booster Pumping Station 4 Zone Isolation Valve c/w SCADA Monitoring 275 m of 300mm watermain	
Land Acquisition:	Minimum 50m wide by 50m deep (0.25 ha) parcel of land.	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.41
	Growth:	2.25
	Total:	2.66

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

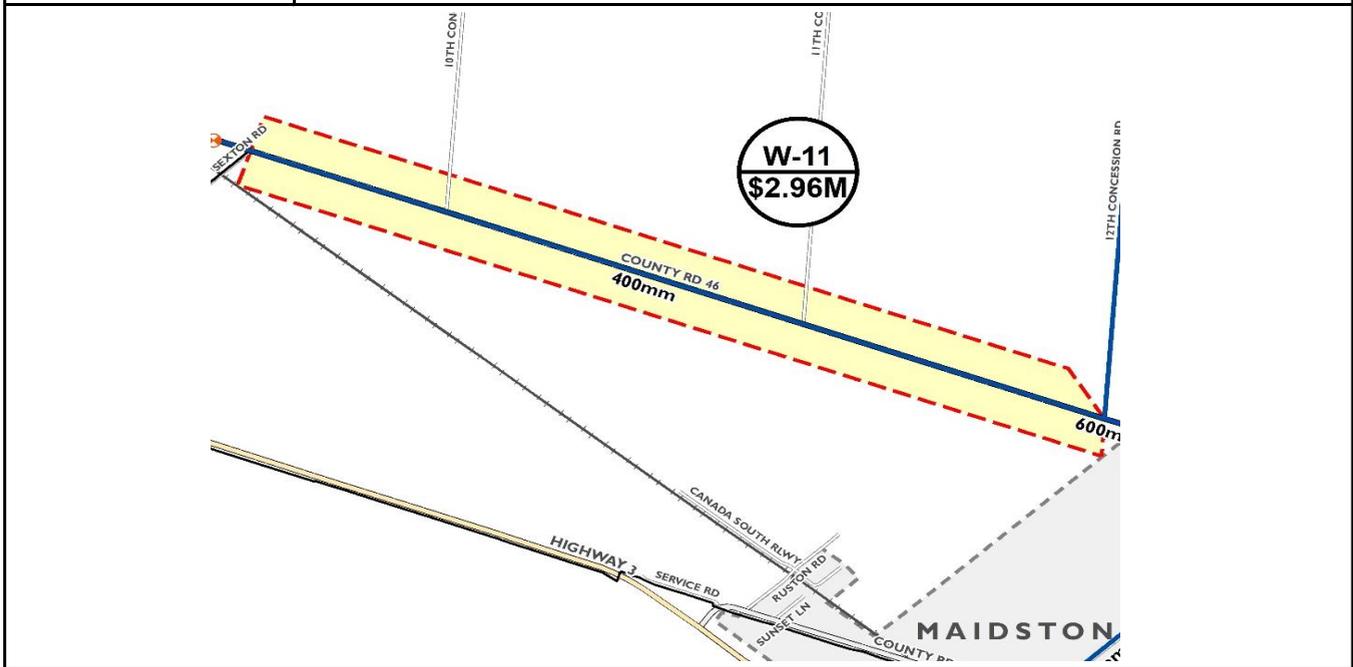
Project Name:	Zone 2 Water Storage Facility	Project No.:	<b>W-10</b>
Project Timing:	2019-2023		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of a 5.7 ML capacity water storage facility in southeast service area to provide water storage for existing developments and new growth in south service area.		



<b>Project Details:</b>		
Prerequisites:	Completion of Project No. W-9, W-12A	
Opportunities:	None	
Class EA Schedule:	B	
Preliminary Design Data:	5.7ML Water Storage Facility	
Land Acquisition:	Minimum 0.50 ha parcel of land	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.80
	Growth:	4.36
	Total:	5.16

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

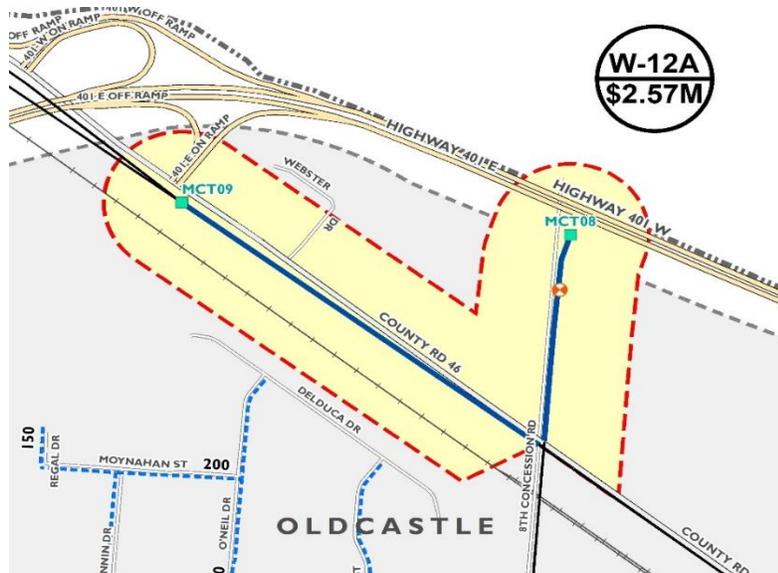
Project Name:	County Road 46 Trunk Watermain, Sexton Sideroad to 12 <sup>th</sup> Concession Road	Project No.:	<b>W-11</b>
Project Timing:	2029-2033		
Project Location:	Oldcastle Hamlet		
Project Description:	Extension of a trunk watermain on County Road 46 from Sexton Sideroad to 12th Concession Road to provide water supply to new growth areas in the southeast service area and to improve Fire Flows for existing development.		



<b>Project Details:</b>		
Prerequisites:	Completion of Project No. W-12B	
Opportunities:	None	
Class EA Schedule:	A+	
Preliminary Design Data:	3,400 m of 400mm trunk watermain	
Land Acquisition:	None	
Easement Acquisition:	None	
Estimated Capital Cost (\$million):	Existing Development:	0.30
	Growth:	2.66
	Total:	2.96

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

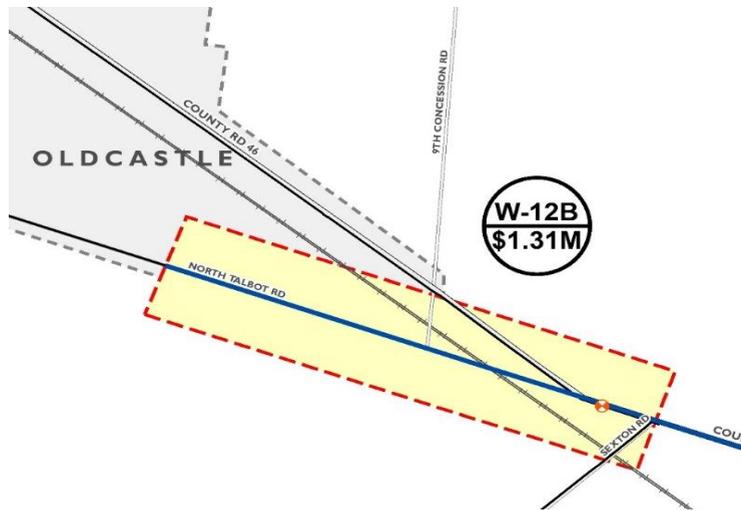
Project Name:	Southwest Tecumseh Trunk Watermain	Project No.:	<b>W-12A</b>
Project Timing:	2019-2023		
Project Location:	Oldcastle Hamlet		
Project Description:	Extension of a trunk watermain on County Road 46 from Hwy 401 to 8th Concession Road; and along 8th Concession Road to MCT08 to provide water supply for new growth in the south service area.		



<b>Project Details:</b>		
Prerequisites:	None	
Opportunities:	Combine with Water Project Nos. W-9 and W-10	
Class EA Schedule:	A+	
Preliminary Design Data:	1,420 m of 600mm watermain	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	0.39
	Growth:	2.18
	Total:	2.57

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

Project Name:	North Talbot Road Trunk Watermain	Project No.:	<b>W-12B</b>
Project Timing:	2024-2028		
Project Location:	Oldcastle Hamlet		
Project Description:	Extension of a trunk watermain on North Talbot Road to Sexton Road, to provide water supply for new growth and improved system pressures in the southeast service area.		

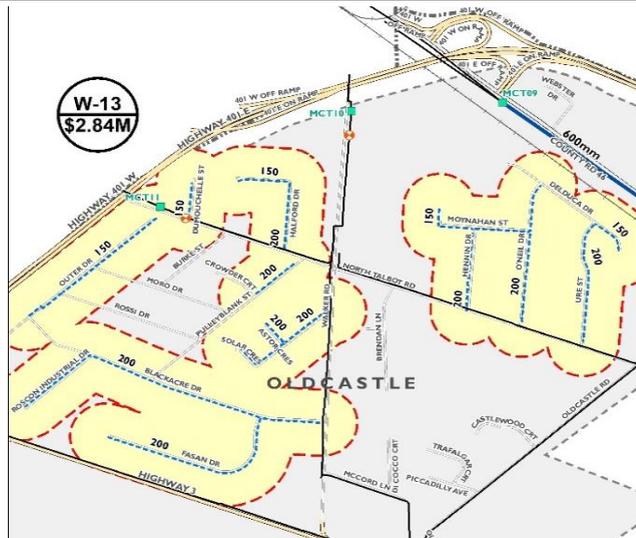


**Project Details:**

Prerequisites:	Completion of Project Nos. W-12A, W-9, W-10	
Opportunities:	Combine with Wastewater Project No. WW-12	
Class EA Schedule:	A+	
Preliminary Design Data:	1,500 m of 400mm watermain	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	\$0.26
	Growth:	\$1.05
	Total:	\$1.31

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

Project Name:	Oldcastle Hamlet Watermain Upgrades	Project No.:	<b>W-13</b>
Project Timing:	Varies		
Project Location:	Oldcastle Hamlet		
Project Description:	Local Watermain upgrades to improve Available Fire Flow to service existing and new Industrial / Commercial Development.		



**Project Details:**

Prerequisites:	None	
Opportunities:	Co-ordinate with local road reconstruction projects	
Class EA Schedule:	A+	
Preliminary Design Data:	Watermains to be upgraded to 300mm dia on: Astor Crescent - 140m                      Moynahan Street - 375 m Blackacre Drive - 1,010 m                  Olympia Drive - 550 m Delduca Drive - 150 m                      O'Neil Drive - 640 m Dumouchelle Street - 190 m                Pulleyblank Street - 270 m Fasan Drive - 850 m                          Roscon Industrial Drive - 400 m Halford Drive - 545 m                        Ure Street - 550 m Henin Street - 280 m	
Land Acquisition:	N/A	
Easement Acquisition:	N/A	
Estimated Capital Cost (\$million):	Existing Development:	1.42
	Growth:	1.42
	Total:	2.84