2	018 WATER AND WASTEWATER MASTER PLA RECOMMENDED PROJECT DATA SHEET (V		
Project Name:	West Tecumseh Trunk Watermain CR22 to CP Railway	Project No.:	W-1
Project Timing:	2024-2028		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from CR22 to the no easements or planned road allowances, including a trunk watermain on Shawnee Road, to supply water and to strengthen existing distribution system	connection to the	existing 300mm
	W-1 S2.04M T E C U M S E H H A M L E T S000000000000000000000000000000000000		
Project Details:		-	
Prerequisites:	Alignment to be confirmed through Approved	Development Plar	าร
Opportunities: Class EA Schedule:	Combine with wastewater Project WW-1		
Preliminary Design Da	B ¹		
	ata: 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		
· · · · · · · · · · · · · · · · · · ·	Existing Development:		0.10
Estimated Capital Cos (\$million):	st Existing Development: Growth:		0.10 1.94

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

20	018 WATER AND WASTEWATER MASTER P RECOMMENDED PROJECT DATA SHEET		
Project Name:	East Tecumseh Hamlet Watermain Connection	Project No.:	W-2A
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from Lespera adjacent to the CP Railway corridor, to provid Flows for new growth south of CR 22.		•
	ADDETTO PACIFIC AVE	400mm	
	ST AL		
Project Details:			
Prerequisites:	Trunk Watermain on Manning Road (P		
•	Trunk Watermain on Manning Road (Pr Potential to coordinate with Developme Plan Area		ad Secondary
Prerequisites: Opportunities:	Potential to coordinate with Developme		ad Secondary
Prerequisites:	Potential to coordinate with Developme Plan Area B ¹		ad Secondary
Prerequisites: Opportunities: Class EA Schedule:	Potential to coordinate with Developme Plan Area B ¹		ad Secondary
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da	Potential to coordinate with Developme Plan Area B ¹ Ita: 825 m of 300mm trunk watermain N/A	nt in Manning Ro	ad Secondary
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition: Easement Acquisition:	Potential to coordinate with Developme Plan Area B ¹ Ita: 825 m of 300mm trunk watermain N/A Min 5.0 m wide Easement adjacent to 0 Existing Development:	nt in Manning Ro	ad Secondary
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition:	Potential to coordinate with Developme Plan Area B ¹ Ita: 825 m of 300mm trunk watermain N/A Min 5.0 m wide Easement adjacent to 0 Existing Development:	nt in Manning Ro	

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

20	018 WATER AND WASTEWATER MASTER PL RECOMMENDED PROJECT DATA SHEET			
Project Name:	Trunk Watermain on Manning Road CR22 to CP Railway	Project No.:	W-2B	
Project Timing:	2019-2023			
Project Location:	Tecumseh Hamlet			
Project Description:	Upgrade of a trunk watermain along Manning CP Railway, to provide water supply for new g		-	
	MANNING ROAD SECONDARY PLAN AREA BIJONN PLAN AREA			
Project Details:				
Prerequisites:	None			
Opportunities:	Construction could be co-ordinated with	Construction could be co-ordinated with Manning Road Upgrades		
Class EA Schedule:	A+			
Preliminary Design Da	ta: 2,100 m of 400mm trunk watermain			
Land Acquisition:	N/A			
Easement Acquisition:	N/A			
	Existing Development:		0.38	
Estimated Capital Cos (\$million):	t Growth:		1.50	
	Total:		1.88	

	018 WATER AND WASTEWATER MASTER PLAN UP RECOMMENDED PROJECT DATA SHEET (WATE		
Project Name:	West Tecumseh Trunk Watermain CP Railway to CR 42	ect No.:	W-4
Project Timing:	2029-2033		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from CP Railway to C an undercrossing of the CP Railway and HONI Corric the existing watermain on St. Alphonse Avenue, to pr new growth south of CP Railway and to improve Fire developments	dors and a c rovide water	connection to
	W-4 \$2.26M TECUMSEH HAMLET		
	Barrier Barrier Comment		
Project Details:	Biordo de Concor		
	Alignment to be established through Approved	Developme	ent Plans
Prerequisites: Opportunities:	Alignment to be established through Approved Combine with Wastewater Project No. WW-6	Developme	ent Plans
Prerequisites: Opportunities: Class EA Schedule:	Combine with Wastewater Project No. WW-6 B ¹	Developme	ent Plans
Prerequisites: Opportunities: Class EA Schedule:	Combine with Wastewater Project No. WW-6 B ¹	Developme	ent Plans
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da	Combine with Wastewater Project No. WW-6 B ¹ ata: 475 m of 300mm trunk watermain 1,240 m of 600mm trunk watermain	· · · · · · · · · · · · · · · · · · ·	
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da	Combine with Wastewater Project No. WW-6 B ¹ ata: 475 m of 300mm trunk watermain 1,240 m of 600mm trunk watermain CP Railway and HONI corridor crossings Min. 20m Road Allowance to be dedicated by c	levelopmen	
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition: Easement Acquisition:	Combine with Wastewater Project No. WW-6 B ¹ ata: 475 m of 300mm trunk watermain 1,240 m of 600mm trunk watermain CP Railway and HONI corridor crossings Min. 20m Road Allowance to be dedicated by c Min. 5.0 m wide easement from CP Rail and He Existing Development:	levelopmen	
Project Details: Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition: Easement Acquisition: Estimated Capital Cos (\$million):	Combine with Wastewater Project No. WW-6 B ¹ ata: 475 m of 300mm trunk watermain 1,240 m of 600mm trunk watermain CP Railway and HONI corridor crossings Min. 20m Road Allowance to be dedicated by c Min. 5.0 m wide easement from CP Rail and He Existing Development:	levelopmen	t

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

20	18 WATER AND WASTEWATER MAST RECOMMENDED PROJECT DATA S		
Project Name:	Trunk Watermain on Manning Road CP Railway to CR 42	Project No.:	W-5A
Project Timing:	2019-2023		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain on Manning CR42 from 12th Concession Road to Mann growth south of CP Railway and to improve	ning Road, to provide wate	er supply for new
	TECUMSEH HAMLET)	
Project Details:	<u> </u>		
Prerequisites:	None		
Opportunities:	Construction could be coordinated w	vith CR42 Upgrades	
Class EA Schedule:	A+		
Preliminary Design Da	ta: 960 m of 400mm trunk watermain of 31 m undercrossing of the CP Railw	-	
Lond Acquisition:	N/A		
Lanu Acquisition.			
	N/A		
Land Acquisition: Easement Acquisition	Existing Development:		0.06
	Existing Development:		0.06

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.:	W-5B	
Project Timing:	2019-2023		ļ	
Project Location:	Tecumseh Hamlet	umseh Hamlet		
Project Description:	Extension of a trunk watermain on Manning Road to CR42 from 12th Concession Road to Manning Road growth south of CP Railway and to improve Fire Fl	ad, to provide wa	ter supply for new	
	SOOMM SHIELDS ST	5 <u>B</u> 12 <u>M</u>		
Project Details:				
Prerequisites:	Completion of Project No. W-2B			
Opportunities:	Construction could be coordinated with Man	ning Road Upgra	ades	
Class EA Schedule:	A+			
Preliminary Design Dat	a: 575 m of 400mm trunk watermain on Count	y Road 42		
Land Acquisition:	N/A			
Easement Acquisition:	N/A			
Existing Development:				
			0.09	
Estimated Capital Cost (\$million):	Growth:		0.09 0.83	

20	18 WATER AND WASTEWATER MASTER PL RECOMMENDED PROJECT DATA SHEET (
Project Name:	South Tecumseh Trunk Watermain CR42 to Highway 401	Project No.:	W-6
Project Timing:	2039+		
Project Location:	Tecumseh Hamlet		
Project Description:	Extension of a trunk watermain from CR 42 along 12 Manning Road to the Highway Commercial Area and Manning Road from Baseline Road to connect to exis provide water supply for new growth south of CR #42	a 200mm trunk wat a sting distribution sys	termain along
	NAME AND A DECEMBER OF A DECEM		
Project Details:			
Prerequisites:	Completion of West Tecumseh trunk wa	atermain (Project N	No. W-5)
Opportunities:	Alignment could shift to be incorporated Combine with Project WW-8	in new developme	ent
Class EA Schedule:	A+		
Preliminary Design Da	ta: 4,220 m of 300mm trunk watermain, 12t Manning Road	h Concession, Ba	aseline Road,
	Min. 20m Road Allowance to be dedicat	ed if Alternative al	
Land Acquisition:			lignment selecte
Land Acquisition: Easement Acquisition:	N/A		lignment selecte
Easement Acquisition:	Existing Development:		lignment selecte 0.26
•	Existing Development:		

	2018 WATER AND WASTEWATER MASTER PLAN RECOMMENDED PROJECT DATA SHEET (WA	-	
Project Name:	South Tecumseh Trunk Watermain 12th Concession Road to Malden RoadProject No.:W-7A		
Project Timing:	2034-2038		
Project Location:	Maidstone Hamlet		
Project Description:	Extension of a trunk watermain on Middle Road from Malden Road to improve water supply to existing a of Highway 401.		
	400mm COUNTY RD 46	HANNING ED	
	ADDITION BELLANDERSOODS CAR MAIDSTONE		
Project Details:			
-		rmain to 12th (Concession
Prerequisites:	Completion of County Road 46 Trunk Water		Concession
Project Details: Prerequisites: Opportunities: Class EA Schedule:	Completion of County Road 46 Trunk Water Road (Project No. W-11)		Concession
Prerequisites: Opportunities:	MADSTONE Completion of County Road 46 Trunk Water Road (Project No. W-11) Combine with Wastewater Project No. WW- A+	-9	Concession
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da	MADSTONE Completion of County Road 46 Trunk Water Road (Project No. W-11) Combine with Wastewater Project No. WW- A+	-9	Concession
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition:	MADSTONE Completion of County Road 46 Trunk Water Road (Project No. W-11) Combine with Wastewater Project No. WW- A+ ata: 850 m of 400mm trunk watermain on Middle N/A	-9	Concession
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition: Easement Acquisition	MADSTONE Completion of County Road 46 Trunk Water Road (Project No. W-11) Combine with Wastewater Project No. WW- A+ ata: 850 m of 400mm trunk watermain on Middle N/A N/A Existing Development:	-9	Concession
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition:	MADSTONE Completion of County Road 46 Trunk Water Road (Project No. W-11) Combine with Wastewater Project No. WW- A+ ata: 850 m of 400mm trunk watermain on Middle N/A N/A Existing Development:	-9	

2	018 WATER AND WASTEWATER MASTER PLAN U RECOMMENDED PROJECT DATA SHEET (WATE	
Project Name:	South Tecumseh Trunk Watermain CR 46 to Highway 401	ject No.: W-7B
Project Timing:	2039+	·
Project Location:	Maidstone Hamlet	
Project Description:	Extension of a trunk watermain on 12th Concession of Highway 401 to provide water supply to new grow 401 and to provide security of supply to the Highway	th areas south of Highway
Project Details:		
Prerequisites:	Completion of County Road 46 Trunk Waterm Road (Project No. W-11)	ain to 12th Concession
Prerequisites: Opportunities:		ain to 12th Concession
	Road (Project No. W-11)	ain to 12th Concession
Opportunities:	Road (Project No. W-11) Combine with Wastewater Project No. WW-9 A+ 2,025 m of 300mm trunk watermain on 12th C	oncession Road
Opportunities: Class EA Schedule:	Road (Project No. W-11) Combine with Wastewater Project No. WW-9 A+ 2,025 m of 300mm trunk watermain on 12th C ata: 100 m Highway 401 Crossing	oncession Road
Opportunities: Class EA Schedule: Preliminary Design Da	Road (Project No. W-11) Combine with Wastewater Project No. WW-9 A+ 2,025 m of 300mm trunk watermain on 12th C ata: 100 m Highway 401 Crossing 1 - Zone Isolation valve c/w SCADA Monitorin N/A	oncession Road
Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition: Easement Acquisition	Road (Project No. W-11) Combine with Wastewater Project No. WW-9 A+ 2,025 m of 300mm trunk watermain on 12th C ata: 2,025 m of 300mm trunk watermain on 12th C 100 m Highway 401 Crossing 1 - Zone Isolation valve c/w SCADA Monitorin N/A Existing Development:	oncession Road
Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition:	Road (Project No. W-11) Combine with Wastewater Project No. WW-9 A+ 2,025 m of 300mm trunk watermain on 12th C ata: 2,025 m of 300mm trunk watermain on 12th C 100 m Highway 401 Crossing 1 - Zone Isolation valve c/w SCADA Monitorin N/A Existing Development:	oncession Road

2	018 WATER AND WASTEWATER MASTER PL RECOMMENDED PROJECT DATA SHEET (
Project Name:	Maidstone Hamlet Trunk Watermain	Project No.:	W-8
Project Timing:	2034-2038		
Project Location:	Maidstone Hamlet		
Project Description:	Extension of a trunk watermain on Malden Roa Middle Road to provide water suply for new gr improve Fire Flows for existing development		
	MATD STONE 400000 MATD STONE		
Project Details:			
Prerequisites:	Completion of Project No. W-7A		
Opportunities:	Combine with Wastewater Project No. V	VW-10	
Class EA Schedule:	A+		
Preliminary Design Da	ta: 1,155 m of 400mm trunk watermain on I	North Talbot Roa	ad
Land Acquisition:	N/A		
Easement Acquisition	N/A		
	Existing Development:		0.20
Estimated Capital Cos (\$million):	Growth:		0.80
	Total:		1.00

	018 WATER AND WASTEWATER MASTER PLAN UP RECOMMENDED PROJECT DATA SHEET (WATER		
Project Name:	Zone 2 Booster Pumping Station Project	ct No.:	W-9
Project Timing:	2019-2023		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of a booster pumping station and zone is service area to improve water pressure for existing de growth in south service area.		
	HOTMAHAN ST		
	OLDCASTLE Solution		
Project Details:	OLDCASTLE San		
Prerequisites:	Completion of W-12A		
Prerequisites: Opportunities:			
Prerequisites: Opportunities: Class EA Schedule:	Completion of W-12A		
Prerequisites: Opportunities: Class EA Schedule:	Completion of W-12A		
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da	Completion of W-12A B B ata: LS of 100L/s Booster Pumping Station 4 Zone Isolation Valve c/w SCADA Monitoring	el of land	
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da	B Image: Static state A Zone Isolation Valve c/w SCADA Monitoring 275 m of 300mm watermain Minimum 50m wide by 50m deep (0.25 ha) parce	el of land	
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design Da Land Acquisition: Easement Acquisition	Completion of W-12A B ata: LS of 100L/s Booster Pumping Station 4 Zone Isolation Valve c/w SCADA Monitoring 275 m of 300mm watermain Minimum 50m wide by 50m deep (0.25 ha) parc N/A Existing Development:	el of land	l. 0.41
Prerequisites: Opportunities:	Completion of W-12A B ata: LS of 100L/s Booster Pumping Station 4 Zone Isolation Valve c/w SCADA Monitoring 275 m of 300mm watermain Minimum 50m wide by 50m deep (0.25 ha) parc N/A Existing Development:	el of land	

20	18 WATER AND WASTEWATER MASTER RECOMMENDED PROJECT DATA SHEE		
Project Name:	Zone 2 Water Storage Facility	Project No.:	W-10
Project Timing:	2019-2023		
Project Location:	Oldcastle Hamlet		
Project Description:	Construction of a 5.7 ML capacity water sto area to provide water storage for existing de south service area.		
	Televated Tank Site W-10 : \$5.16M		
Project Details:			
Prerequisites: Opportunities:	Completion of Project No. W-9, W-12	άA	
Class EA Schedule:	None B		
Preliminary Design Da			
Land Acquisition:	Minimum 0.50 ha parcel of land		
Easement Acquisition:	N/A		
Fatimated Oracital O	Existing Development:		0.80
Estimated Capital Cos (\$million):	Growth:		4.36
(4	Total:		5.16

20	018 WATER AND WASTEWATER MASTER PL RECOMMENDED PROJECT DATA SHEET (-		
Project Name:	County Road 46 Trunk Watermain, Sexton Sideroad to 12 th Concession Road	Project No.:	W-11	
Project Timing:	2029-2033	II		
Project Location:	Oldcastle Hamlet	castle Hamlet		
Project Description:	Extension of a trunk watermain on County Ro 12th Concesstion Road to provide water supp southeast service area and to improve Fire Flo	ly to new growth	areas in the	
	W-11 \$2.96M	MAIDSTON The		
Project Details:				
Prerequisites: Completion of Project No. W-12B				
Opportunities:	None	None		
Class EA Schedule:	A+	A+		
Preliminary Design Data: 3,400 m of 400mm trunk watermain				
Land Acquisition:	None	None		
Easement Acquisition	: None	None		
	Existing Development:		0.30	
Estimated Capital Cos (\$million):	st Existing Development: Growth:		0.30 2.66	

2018 WATER AND WASTEWATER MASTER PLAN UPDATE RECOMMENDED PROJECT DATA SHEET (WATER)				
Project Name:	Southwest Tecumseh Trunk Watermain	Project No.:	W-12A	
Project Timing:	2019-2023			
Project Location:	Oldcastle Hamlet			
Project Description:	Concession Road; and along 8th Concessio	tension of a trunk watermain on County Road 46 from Hwy 401 to 8th ncession Road; and along 8th Concession Road to MCT08 to provide wate oply for new growth in the south service area.		
051	HIGHWAY OF HIGHWAY OF	Colump 45		
Project Details:				
Prerequisites:	None			
Opportunities:		Combine with Water Project Nos. W-9 and W-10		
Close EA Sebedule	s EA Schedule: A+			
CIASS EA SCHEUUIE.				
Preliminary Design Da				
Preliminary Design Da				
Preliminary Design Da	ata: 1,420 m of 600mm watermain N/A			
Preliminary Design Da Land Acquisition: Easement Acquisition	ata: 1,420 m of 600mm watermain N/A N/A Existing Development:		0.39	
	ata: 1,420 m of 600mm watermain N/A N/A Existing Development:		0.39 2.18	

2018 WATER AND WASTEWATER MASTER PLAN UPDATE RECOMMENDED PROJECT DATA SHEET (WATER)				
Project Name:	North Talbot Road Trunk Watermain	Project No.:	W-12B	
Project Timing:	2024-2028			
Project Location:	Oldcastle Hamlet			
Project Description:		nsion of a trunk watermain on North Talbot Road to Sexton Road, to de water supply for new growth and improved system pressures in the neast service area.		
	OLDCASTLE North Diagonal			
Project Details:				
•	Completion of Project Nos. W-	12A, W-9, W-10		
Prerequisites:	Completion of Project Nos. W-			
•				
Prerequisites: Opportunities: Class EA Schedule:	Combine with Wastewater Proj			
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design D	Combine with Wastewater Proj			
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design D	Combine with Wastewater Proj A+ Pata: 1,500 m of 400mm watermain N/A			
Class EA Schedule: Preliminary Design D Land Acquisition: Easement Acquisition	Combine with Wastewater Proj A+ Data: 1,500 m of 400mm watermain N/A n: N/A Existing Development:		\$0.26	
Prerequisites: Opportunities: Class EA Schedule: Preliminary Design D Land Acquisition:	Combine with Wastewater Proj A+ Data: 1,500 m of 400mm watermain N/A n: N/A Existing Development:		\$0.26	

2018 WATER AND WASTEWATER MASTER PLAN UPDATE RECOMMENDED PROJECT DATA SHEET (WATER)					
Project Name:	Oldcastle Hamlet Watermain Upgrades	Project No.:	W-13		
Project Timing:	Varies				
Project Location:	Oldcastle Hamlet				
		al Watermain upgrades to improve Available Fire Flow to service existing new Industrial / Commercial Development.			
	W-13 \$2.84M 150 100 100 100 100 100 100 100				
Project Details:					
Prerequisites:	None				
Opportunities:	Co-ordinate with local road recon	Co-ordinate with local road reconstruction projects			
Class EA Schedule:	A+	A+			
Preliminary Design Da	ta: Watermains to be upgraded to 30	Watermains to be upgraded to 300mm dia on:			
	Astor Crescent - 140m Blackacre Drive - 1,010 m Delduca Drive - 150 m Dumouchelle Street - 190 m Fasan Drive - 850 m Halford Drive - 545 m Henin Street - 280 m	Moynahan Stree Olympia Drive - 4 O'Neil Drive - 64 Pulleyblank Stre Roscon Industria Ure Street - 550	550 m 0 m et - 270 m al Drive - 400 m		
Land Acquisition:	N/A				
Land Acquisition: Easement Acquisition:					
Easement Acquisition:	N/A Existing Development:		1.42		
•	N/A Existing Development:		1.42 1.42		