

**TOWN OF TECUMSEH  
WATER AND WASTEWATER MASTER PLAN UPDATE - 2018**

**APPENDIX A9-3 - CAPITAL COST ESTIMATES - WATER**

**Project ID: W-1**  
**Project Name: West Tecumseh Trunk Watermain CR 22 to CP Railway**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	300mm Trunk Watermain (Intersection Road)	275	m	\$710	\$195,250
	400mm Trunk Watermain (including line Valves)	1,530	m	\$800	\$1,224,000
	600mm Trunk Watermain (including line Valves)	400	m	\$1,550	\$620,000

**TOTAL** **\$2,039,250**

Note: Road restoration included on Intersection Road. No road restoration included for extension of watermain through new development lands

**Project ID: W-2A**  
**Project Name: East Tecumseh Hamlet Watermain Connection**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	300mm Trunk Watermain	825	m	\$520.00	\$429,000
	Allowance for Easement		Allow		\$26,000

**TOTAL** **\$455,000**

Note: Assumes gravel road restoration over pipeline. Allowance for Easement assumes 6.0 m wide easement at a cost of \$50,000 per ha.

**Project ID: W-2B**  
**Project Name: Trunk Watermain on Manning Road CR 22 to CP Railway**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on Manning Road	2,100	m	\$870.00	\$1,827,000
	CP Rail Crossing by Jack and Bore		LS		\$50,000

**TOTAL** **\$1,877,000**

Note: Assumes gravel should restoration only. Installation to be coordinated with Manning Road Improvements

**Project ID: W-4**  
**Project Name: West Tecumseh Trunk Watermain CP Railway to CR 42**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	300mm Trunk Watermain	475	m	\$520.00	\$247,000
	600mm Trunk Watermain	1,240	m	\$1,550.00	\$1,922,000
	Extra-Over to cross CP Rail Corridor	31	m	\$3,000.00	\$93,000

**TOTAL** **\$2,262,000**

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**Project ID: W-5A**

**Project Name: Trunk Watermain on Manning Road CP Railway to CR 42**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on County Road 42	575	m	\$1,060.00	\$609,500

**TOTAL**

**\$609,500**

Note: Assumes full asphalt pavement restoration on County Road 42

**Project ID: W-5B**

**Project Name: Trunk Watermain on CR 4211th Concession Road to Manning Road**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on Manning Road	960	m	\$870.00	\$835,200
	Extra-Over to Jack& Bore under CP Rail	31	m	\$2,800.00	\$86,800

**TOTAL**

**\$922,000**

Note: Assumes gravel shoulder restoration on Manning Road

**Project ID: W-6**

**Project Name: South Tecumseh Trunk Watermain CR 42 to Hwy 401**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	300mm Trunk Watermain, 12th Concession, Baseline Roads	2,420	m	\$710.00	\$1,718,200
	300mm Trunk Watermain, Manning Road	1,800	m	\$520.00	\$936,000

**TOTAL**

**\$1,718,200**

Note: Assumes gravel restoration only on Manning Road.

**Project ID: W-7A**

**Project Name: South Tecumseh Trunk Watermain, 12th Concession Road to N**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on North Talbot Road	850	m	\$870	\$739,500

**TOTAL**

**\$739,500**

Note: Assumes gravel shoulder restoration for watermain installation. Trenchless crossing of Highway 401

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**Project ID: W-7B**

**Project Name: South Tecumseh Trunk Watermain, Hwy 401 to CR46**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	300mm Trunk Watermain on 12th Concession Road	2,025	m	\$520	\$1,053,000
	Extra-Over to complete Highway 401 Crossing	100	m	\$3,000	\$300,000
	Zone Isolation Valve c/w SCADA Monitoring	1	ea	\$75,000	\$75,000

**TOTAL**

**\$1,428,000**

Note: Assumes gravel shoulder restoration for watermain installation. Trenchless crossing of Highway 401

**Project ID: W-8**

**Project Name: Maidstone Hamlet Trunk Watermain**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on North Talbot Road	1,155	m	\$870.00	\$1,004,850

**TOTAL**

**\$1,004,850**

Note: Assumes one lane roadway restoration on both Provincial Road and on 8th Concession Road

**Project ID: W-9**

**Project Name: Zone 2 Booster Pumping Station**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	100 L/s Booster Pumping Station		LS	\$1,757,490	\$1,757,490
	Zone Isolation Valve c/w SCADA Monitoring	4	ea	\$200,000	\$800,000
2.0	Allowance for Land Acquisition		Allow		\$100,000

**TOTAL**

**\$2,657,490**

Note:

**Project ID: W-10**

**Project Name: Zone 2 Water Storage Facility**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	5.7 ML water storage facility		LS	\$5,063,710	\$5,063,710
2.0	Allowance for Land Acquisition		Allow		\$100,000

**TOTAL**

**\$5,163,710**

Note:

**Project ID: W-11**

**Project Name: County Rd 46 Trunk Watermain Sexton Sideroad to 12th Concession Road**

Item	Description	Quantity	Unit	Unit Price	Total Price
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<b>1.0</b>	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on North Talbot Road	3,400	m	\$870	\$2,958,000

**TOTAL**

**\$2,958,000**

Note: Assumes full roadway restoration

**Project ID: W-12a**

**Project Name: Southwest Tecumseh Trunk Watermain**

<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1.0</b>	Construction (incl. restoration and contingency)				
	600mm Trunk Watermain, Provincial Road (CR46) and 8th Concession Road	1,420	m	\$1,810.00	\$2,570,200

**TOTAL**

**\$2,570,200**

Note: Assumes full roadway restoration

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**Project ID: W-12b**

**Project Name: North Talbot Road Trunk Watermain**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	400mm Trunk Watermain on North Talbot Road	1,500	m	\$870.00	\$1,305,000
	<b><u>TOTAL</u></b>				<b>\$1,305,000</b>

Note: Assumes full roadway restoration

**Project ID: W-13**

**Project Name: Oldcastle Hamlet Local Watermain Upgrades**

Item	Description	Quantity	Unit	Unit Price	Total Price
1.0	Construction (incl. restoration and contingency)				
	300mm Trunk Watermain				
	Dumouchelle Street	190	m	\$470	\$89,300
	Halford Drive	545	m	\$470	\$256,150
	Pulleyblank Street	270	m	\$470	\$126,900
	Olympia Drive	550	m	\$470	\$258,500
	Astor Crescent	140	m	\$470	\$65,800
	Blackacre Drive	1010	m	\$470	\$474,700
	Fasan Drive	850	m	\$470	\$399,500
	Roscon Industrial Drive	400	m	\$470	\$188,000
	Henin Street	380	m	\$470	\$178,600
	O'Neil Drive	640	m	\$470	\$300,800
	Moynahan Street	375	m	\$470	\$176,250
	Ure Street	550	m	\$470	\$258,500
	Delduca Drive	150	m	\$470	\$70,500
	<b><u>TOTAL</u></b>				<b>\$2,843,500</b>

Note: Assumes work coordinated with roadway reconstruction, no restoration included