Asset	Option	Total Tree Imapcts	Tree Impacts - Retention Value			Relative Potential Environmtenal Impacts			Estimated Cost	Remarks	Decision/Rationale
			Low	Moderate	High	Terrestiral Habitat	Aquatic Habitat	Widlife			
Gravity Sewer Main	Option 1 - Trenchless CIPP Lining	0	N/A	N/A	N/A	N/A	N/A	N/A	$2.1M	Bypass Required	Recommended
Low Pressure Sewer Main	Option 1 - 100% Trenchless CIPP Lining	9	2	7	-	low	low	low	$8.0M	Bypass Required	Recommended
	Option 2 - 100% Open Cut	176-200	N/A	N/A	N/A	high	high	high	$6.0M	No Bypass	
	Option 3A - 100% Open Cut and re-align to Ioco Road	N/A	N/A	N/A	N/A	moderate	high	high	$9.3M	Traffic Management Required- Eliminated	Eliminated due to high costs and high impacts
	Option 3B - 100% Open Cut and re-align to Ioco Road	N/A	N/A	N/A	N/A	moderate	high	high	$10.8M	Traffic Management Required- Eliminated	Eliminated due to high costs and high impacts
	Option 4A - Hybrid existing alignment (75% trenchless +25% open-cut)	25	8	16	-	moderate	low	low	$7.8M	Bypass Required	
	Option 4B - Hybrid existing alignment (60% trenchless + 40% open-cut)	45	9	36	-	moderate	low	moderate	$7.3M	Bypass Required	
	Option 4C - Hybrid existing alignment (40% trenchless +60% open-cut)	75	21	24	-	high	low	moderate	$6.9M	Bypass Required	
Trail	Option 1 - 3.3m wide, full depth rehab	8	2	2	-	moderate	low	low	$3.5M		Recommended
	Option 2 - 4.3m wide, full depth rehab	N/A	N/A	N/A	N/A	high	high	high	$4.7M	Eliminated	Eliminated due to high impacts and public input on keeping the pathway recreational
	Option 3 - Surface rehab only	0	N/A	N/A	N/A	low	low	low	$1.9M	Short service life	
	Upgrades such as new furniture, signage, etc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$0.6M	optional	

largest DBH = 610
smallest DBH = 30