

15 YEAR WATER MAIN CAPITAL IMPROVEMENT PROGRAM (2016 - 2030)

1/28/2015

PROJECT	LIMITS	BASIS OF ESTIMATE																TOTAL	
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030		
Pilgrim	Nine Mile to Woodward Hts	Rule of Thumb	\$600,000																\$600,000
Orchard	Pilgrim to Farrow	Rule of Thumb		\$475,000															\$475,000
Martin	Nine Mile to Woodward Heights	Rule of Thumb			\$675,000														\$675,000
Mapledale	Hilton to Chester	Rule of Thumb				\$325,000													\$325,000
Garfield	Hilton - Chester	Rule of Thumb				\$318,750													\$318,750
Academy	Wanda - West End	Rule of Thumb					\$187,500												\$187,500
Kensinton Esmt	Fox to Fielding	Rule of Thumb					\$150,000												\$150,000
Leitch	Nine Mile to Orchard	Rule of Thumb						\$350,000											\$350,000
Wrenson	Nine Mile to Breckenridge	Rule of Thumb						\$200,000											\$200,000
Burdette	Camboune to Woodward Heights	Rule of Thumb							\$262,500										\$262,500
Bermuda	Mapledale to Ten Mile	Rule of Thumb							\$300,000										\$300,000
Sylvan	Hilton to Wolcott	Rule of Thumb								\$250,000									\$250,000
Woodward Hts	Bermuda to Gainsboro	Rule of Thumb								\$110,000									\$110,000
Jewell	Wanda to West End	Rule of Thumb									\$225,000								\$225,000
Mapledale	Paxton to Hilton	Rule of Thumb									\$375,000								\$375,000
Shevlin	Chester to Lennox	Rule of Thumb										\$337,500							\$337,500
Mahan	Chester to Lennox	Rule of Thumb											\$262,500						\$262,500
Brickley	Chester to Lennox	Rule of Thumb											\$300,000						\$300,000
Eight Mile	Woodward to Pinecrest	Rule of Thumb												\$525,000	\$525,000	\$525,000	\$525,000		\$2,100,000
YEAR TOTALS			\$600,000	\$475,000	\$675,000	\$643,750	\$337,500	\$550,000	\$562,500	\$360,000	\$600,000	\$337,500	\$562,500	\$525,000	\$525,000	\$525,000	\$525,000	\$525,000	\$7,803,750

 PE / CE / Construction
 MDOT jurisdiction - Phase project over several years

PROJECT	LIMITS	SIZE	LFT	\$/LFT	COST	NO OF	AGE	JUSTIFICATION
Pilgrim	Nine Mile to Woodward Hts	8"	2,400	\$250	\$600,000	7	1924	Frequent breaks, cast iron universal pipe
Orchard	Pilgrim to Farrow	8"	1,900	\$250	\$475,000	5	1924	Frequent breaks, cast iron universal pipe
Martin	Nine Mile to Woodward Heights	8"	2,700	\$250	\$675,000	4	1924	Frequent breaks, cast iron universal pipe
Mapledale	Hilton to Chester	8"	1,300	\$250	\$325,000	2	1924	Cast iron universal pipe
Garfield	Hilton - Chester	8"	1275	\$250	\$318,750	2	1925	Frequent breaks (recent) , cast iron universal pipe
Academy	Wanda - West End	8"	750	\$250	\$187,500	2	1920's	Frequent breaks (recent), cast iron universal pipe
Kensington Esmt	Fox to Fielding	8"	600	\$250	\$150,000	0	1925	Age, pipe location
Leitch	Nine Mile to Orchard	8"	1,400	\$250	\$350,000	2	1924	Cast iron universal pipe
Wrenson	Nine Mile to Breckenridge	8"	800	\$250	\$200,000	1	1924	Cast iron universal pipe
Burdette	Cambourne to Woodward Heights	8"	1,050	\$250	\$262,500	4	1925	Frequent breaks, cast iron universal pipe
Bermuda	Mapledale to Ten Mile	8"	1,200	\$250	\$300,000	5	1921	Frequent breaks, cast iron universal pipe
Sylvan	Hilton to Wolcott	8"	1,000	\$250	\$250,000	0	1924	Cast iron universal pipe
Woodward Hts	Bermuda to Gainsboro	12"	400	\$275	\$110,000	0	1923	Loop dead end mains
Jewell	Wanda to West End	8"	900	\$250	\$225,000	1	1929	Breaks, cast iron universal pipe
Mapledale	Paxton to Hilton	8"	1,500	\$250	\$375,000	1	1924	Breaks, cast iron universal pipe
Shevlin	Chester to Lennox	8"	1,350	\$250	\$337,500	3	1925	Cast iron universal pipe
Mahan	Chester to Lennox	8"	1,050	\$250	\$262,500	0	1925	Cast iron universal pipe
Brickley	Chester to Lennox	8"	1,200	\$250	\$300,000	0	1925	Cast iron universal pipe
Eight Mile	Woodward to Pinecrest	12"	6,000	\$350	\$2,100,000	5	1924-1933	Pipe Location on EB Eight Mile in traffic lanes

(Consider extending Norway and Fox for a looped connection)

10 YEAR CIP (2016 - 2025) \$3,066,250

TOTAL \$5,728,750