

**TOWNSHIP OF LONG HILL
SANITARY SYSTEM
VALUATION ANALYSIS
FEBRUARY 2017**

CONSTRUCTION COSTS			
	ORIGINAL COSTS	DEPRECIATION	OCLD
SANITARY SYSTEM			
PUMP STATION FACILITIES	\$2,395,376.00	\$858,561.60	\$1,536,814.40
WASTEWATER TREATMENT PLANT FACILITIES	\$9,847,247.00	\$3,710,040.70	\$6,137,206.30
SANITARY CONVEYANCE			
SANITARY GRAVITY MAIN	\$17,873,062.00	\$6,473,379.40	\$11,399,682.60
SANITARY FORCE MAIN	\$516,500.00	\$199,130.00	\$317,370.00
MANHOLES	\$3,351,640.00	\$1,427,549.56	\$1,924,090.44
TOTAL SANITARY SYSTEM COSTS	\$33,983,825.00	\$12,668,661.26	\$21,315,163.74
SOFT COSTS			
DESIGN & PERMITTING ENGINEERING (11%)	\$3,738,220.75	\$1,393,552.74	\$2,344,668.01
CONTRACT ADMINISTRATION (2%)	\$679,676.50	\$253,373.23	\$426,303.27
CONSTRUCTION OVERSIGHT (4%)	\$1,359,353.00	\$506,746.45	\$852,606.55
TOTAL SOFT COSTS	\$5,777,250.25	\$2,153,672.41	\$3,623,577.84
OVERALL SEWER SYSTEM COSTS	\$39,761,075.25	\$14,822,333.67	\$24,938,741.58

**TOWNSHIP OF LONG HILL
SANITARY SYSTEM
VALUATION ANALYSIS
FEBRUARY 2017**

SANITARY PUMP STATION FACILITIES

YEAR OF PURCHASE		AGE (YEARS)	ORIGINAL COST	LIFE	DEPRECIATION FACTOR	DEPRECIATION COST	OCLD
VALLEY ROAD PUMP STATION							
1975	WET WELL & EQUIPMENT	42	\$60,000.00	75	0.56	\$33,600.00	\$26,400.00
1975	PUMPS AND CONTROLS	42	\$25,000.00	15	1.00	\$25,000.00	\$0.00
2007	PUMP REPLACEMENT (2 - 7.5 HP)	10	\$30,000.00	15	0.67	\$20,000.00	\$10,000.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
CENTENNIAL VILLAGE / KING DRIVE PUMP STATION							
1975	WET WELL & EQUIPMENT	42	\$60,000.00	75	0.56	\$33,600.00	\$26,400.00
1975	PUMPS AND CONTROLS	42	\$25,000.00	15	1.00	\$25,000.00	\$0.00
2013	PUMP REPLACEMENT - 3 HP	4	\$15,000.00	15	0.27	\$4,000.00	\$11,000.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
MORRISTOWN ROAD PUMP STATION							
1970	PUMP STATION STRUCTURE	47	\$45,000.00	100	0.47	\$21,150.00	\$23,850.00
1970	WET WELL & EQUIPMENT	47	\$40,000.00	75	0.63	\$25,066.67	\$14,933.33
1970	PUMPS AND CONTROLS	47	\$35,000.00	15	1.00	\$35,000.00	\$0.00
2007	PUMP MOTOR REPLACEMENTS (3 TOTAL)	10	\$45,000.00	15	0.67	\$30,000.00	\$15,000.00
2007	CHECK VALVE REPLACEMENT	10	\$35,000.00	30	0.33	\$11,666.67	\$23,333.33
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
NEW VERNON ROAD PUMP STATION							
1970	LIFT STATION STRUCTURE	47	\$45,000.00	100	0.47	\$21,150.00	\$23,850.00
1970	WET WELL & EQUIPMENT	47	\$40,000.00	75	0.63	\$25,066.67	\$14,933.33
1970	PUMPS AND CONTROLS	47	\$45,000.00	15	1.00	\$45,000.00	\$0.00
2014	PUMP REPLACEMENTS - 75 HP	3	\$32,000.00	15	0.20	\$6,400.00	\$25,600.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
SKYLINE DRIVE PUMP STATION							
1970	LIFT STATION STRUCTURE	47	\$45,000.00	100	0.47	\$21,150.00	\$23,850.00
1970	WET WELL & EQUIPMENT	47	\$45,000.00	75	0.63	\$28,200.00	\$16,800.00
1970	PUMPS AND CONTROLS	47	\$45,000.00	15	1.00	\$45,000.00	\$0.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
2014	WATERPROOF WET WELL	3	\$13,200.00	15	0.20	\$2,640.00	\$10,560.00
2014	WATERPROOF WET WELL	3	\$13,200.00	15	0.20	\$2,640.00	\$10,560.00
2016	PUMP STATION UPGRADES	1	\$250,050.00	15	0.07	\$16,670.00	\$233,380.00

	CLOVER HILL PUMP STATION						
1950	LIFT STATION STRUCTURE	67	\$35,000.00	100	0.67	\$23,450.00	\$11,550.00
1950	WET WELL & EQUIPMENT	67	\$35,000.00	75	0.89	\$31,266.67	\$3,733.33
1950	PUMPS AND CONTROLS	67	\$30,000.00	15	1.00	\$30,000.00	\$0.00
2010	PUMP REPLACEMENT - 20 HP	7	\$8,500.00	15	0.47	\$3,966.67	\$4,533.33
2014	PUMP REPLACEMENT - 20 HP	3	\$8,500.00	15	0.20	\$1,700.00	\$6,800.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
	HERITAGE ROAD PUMP STATION						
2007	LIFT STATION STRUCTURE	10	\$15,000.00	100	0.10	\$1,500.00	\$13,500.00
1975	WET WELL & EQUIPMENT	42	\$30,000.00	100	0.42	\$12,600.00	\$17,400.00
1975	PUMPS AND CONTROLS	42	\$30,000.00	30	1.00	\$30,000.00	\$0.00
2011	REMOVAL OF UST AND SITE WORK	6	\$61,500.00	30	0.20	\$12,300.00	\$49,200.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
2016	PUMP REPLACEMENTS - 7.5 HP	1	\$25,000.00	15	0.07	\$1,666.67	\$23,333.33
	UNION / WARREN AVE PUMP STATION						
2008	LIFT STATION STRUCTURE			100	0.00	\$0.00	\$0.00
2008	WET WELL & EQUIPMENT	9		100	0.09	\$0.00	\$0.00
2008	PUMPS AND CONTROLS	9		30	1.00	\$0.00	\$0.00
2003	BY PASS PIPING / VALVES	14	\$5,000.00	50	0.28	\$1,400.00	\$3,600.00
2011	EMERGENCY PUMP STATION REPAIRS	6	\$20,050.00	15	0.40	\$8,020.00	\$12,030.00
2012	UPGRADE OF 5 PUMP STATIONS INCLUDING GENERATORS, MISSION CONTROLS AND ELECTRICAL IMPROVEMENTS	5	\$1,058,581.00	25	0.20	\$211,716.20	\$846,864.80
2014	MISSION / ALARM SYSTEM WORK	3	\$9,795.00	25	0.12	\$1,175.40	\$8,619.60
			\$2,395,376.00			\$858,561.60	\$1,536,814.40

WASTEWATER TREATMENT PLANT

YEAR OF PURCHASE		AGE (YEARS)	ORIGINAL COST	LIFE	DEPRECIATION FACTOR	DEPRECIATION COST	OCLD
	MAIN BUILDING						
1974	MAIN BUILDING STRUCTURE	43	\$190,000.00	100	0.43	\$81,700.00	\$108,300.00
2014	CONTROLS & ELECTRICAL	3	\$300,000.00	30	0.10	\$30,000.00	\$270,000.00
2011	GENERATOR - 500 KW	6	\$250,000.00	20	0.30	\$75,000.00	\$175,000.00
1991	BOILER	26	\$60,000.00	30	0.87	\$52,000.00	\$8,000.00
1991	HOT WATER HEATER - 50 GALLON	26	\$1,000.00	20	1.00	\$1,000.00	\$0.00
2000	LABORATORY EQUIPMENT	17	\$35,000.00	20	0.85	\$29,750.00	\$5,250.00
1991	LIME TANKS & MIXING EQUIPMENT	26	\$150,000.00	30	0.87	\$130,000.00	\$20,000.00
2016	AIR CONDITIONER SYSTEM	1	\$80,000.00	30	0.03	\$2,666.67	\$77,333.33
2014	COMPOSITOR REPLACEMENT	3	\$5,400.00	10	0.30	\$1,620.00	\$3,780.00
	INFLUENT PUMP STATION						
1974	WET WELL & EQUIPMENT	43		100	0.43	\$0.00	\$0.00
2005	PUMPS - 15 HP	12	\$20,000.00	15	0.80	\$16,000.00	\$4,000.00
2014	PUMPS -20 HP	3	\$25,000.00	15	0.20	\$5,000.00	\$20,000.00
2010	TWO PUMPS - 44 HP	7	\$60,000.00	15	0.47	\$28,000.00	\$32,000.00
	ROTARY DRUM SCREENS						
2015	SCREENS & STRUCTURE - INCLUDED IN 2014/2015 PLANT IMPROVEMENTS BELOW	2		30	0.07	\$0.00	\$0.00
2016	ADDITIONAL HANDRAIL INSTALLATION	1	\$4,761.00	30	0.03	\$158.70	\$4,602.30
2016	HANDRAIL REPAIR	1	\$1,291.00	30	0.03	\$43.03	\$1,247.97
2016	INFLUENT SCREEN ELECTRICAL UPGRADES	1	\$14,399.00	15	0.07	\$959.93	\$13,439.07
2016	SCREEN TIE IN	1	\$26,694.00	15	0.07	\$1,779.60	\$24,914.40
	OXIDATION DITCHES						
1974	DISTRIBUTION BOX #1	43	\$100,000.00	75	0.57	\$57,333.33	\$42,666.67
1974	DISTRIBUTION BOX #2	43	\$100,000.00	75	0.57	\$57,333.33	\$42,666.67
1974	OXIDATION DITCH #1	43	\$800,000.00	75	0.57	\$458,666.67	\$341,333.33
1991	OXIDATION DITCH #2	26	\$900,000.00	75	0.35	\$312,000.00	\$588,000.00
1974	MOTORS & CONTROLS - DITCH #1	43	\$150,000.00	30	1.00	\$150,000.00	\$0.00
1991	MOTORS & CONTROLS - DITCH #2	26	\$200,000.00	30	0.87	\$173,333.33	\$26,666.67
2014	NEW D.O. PROBES	3	\$11,735.00	15	0.20	\$2,347.00	\$9,388.00
2015	OXIDATION DITCH / WEIR REPLACEMENT	2	\$20,368.00	15	0.13	\$2,715.73	\$17,652.27
	CLARIFIERS						
1991	CLARIFIER NO. 1 STRUCTURE	26	\$600,000.00	75	0.35	\$208,000.00	\$392,000.00
1991	CLARIFIER NO. 2 STRUCTURE	26	\$600,000.00	75	0.35	\$208,000.00	\$392,000.00
1991	CLARIFIER MECHANISM	26	\$150,000.00	30	0.87	\$130,000.00	\$20,000.00
1991	CLARIFIER MECHANISM	26	\$150,000.00	30	0.87	\$130,000.00	\$20,000.00
	RAS & WAS PUMPS						
1991	PUMPS AND CONTROLS	26	\$85,000.00	30	0.87	\$73,666.67	\$11,333.33

	SAND FILTERS						
1991	FILTER BUILDING & CATWALKS	26	\$325,000.00	100	0.26	\$84,500.00	\$240,500.00
1991	SAND FILTER TANKS- 4	26	\$225,000.00	30	0.87	\$195,000.00	\$30,000.00
1991	AIR LIFT SYSTEM	26	\$95,000.00	30	0.87	\$82,333.33	\$12,666.67
1991	CONTROLS	26	\$60,000.00	30	0.87	\$52,000.00	\$8,000.00
1991	BOILER	26	\$50,000.00	30	0.87	\$43,333.33	\$6,666.67
	POST AERATION						
1984	AERATION STRUCTURE	33	\$150,000.00	75	0.44	\$66,000.00	\$84,000.00
1984	AERATION EQUIPMENT	33	\$80,000.00	100	0.33	\$26,400.00	\$53,600.00
	UV DISINFECTION						
2014	UV SYSTEM	3	\$575,000.00	30	0.10	\$57,500.00	\$517,500.00
2014	UV STRUCTURE	3	\$75,000.00	30	0.10	\$7,500.00	\$67,500.00
	SLUDGE DIGESTERS						
1930	BUILDING	87	\$90,000.00	100	0.87	\$78,300.00	\$11,700.00
1984	TANKS - 2 - 25' DIAMETER	33	\$150,000.00	75	0.44	\$66,000.00	\$84,000.00
1991	2- TRANSFER PUMPS	26	\$60,000.00	30	0.87	\$52,000.00	\$8,000.00
1991	2 - SLUDGE THICKENING PUMPS	26	\$60,000.00	30	0.87	\$52,000.00	\$8,000.00
2014	ROOF REPLACEMENT	3	\$13,000.00	30	0.10	\$1,300.00	\$11,700.00
	FUEL BUILDING						
1984	STRUCTURE	33	\$75,000.00	75	0.44	\$33,000.00	\$42,000.00
1984	TANKS / PUMPS	33	\$30,000.00	30	1.00	\$30,000.00	\$0.00
2011	EXPANSION OF WWTP - PRELIMINARY	6	\$16,000.00	30	0.20	\$3,200.00	\$12,800.00
2011	WWTP INFLUENT FLOW METER	10	\$8,000.00	30	0.33	\$2,666.67	\$5,333.33
2011	WWTP SAND FILTER AIR LIFTS	10	\$24,750.00	30	0.33	\$8,250.00	\$16,500.00
2012	EXPANSION OF WWTP - SERVICE CONTRACT	5	\$91,740.00	30	0.17	\$15,290.00	\$76,450.00
2014	REPLACE WATER SERVICE LINE TO PLANT	3	\$13,800.00	75	0.04	\$552.00	\$13,248.00
2014	MISCELLANEOUS VALVE REPLACEMENTS	3	\$12,483.00	30	0.10	\$1,248.30	\$11,234.70
2014	IMPELLER REPLACEMENTS	3	\$22,821.00	15	0.20	\$4,564.20	\$18,256.80
2014	VALVE STEM REPLACEMENTS	3	\$12,423.00	15	0.20	\$2,484.60	\$9,938.40
2015	WWTP UPGRADES - UV DISINFECTION, ROTARY SCREENS, VARIOUS MISC. IMPROVEMENTS	2	\$2,441,582.00	15	0.13	\$325,544.27	\$2,116,037.73
			\$9,847,247.00			\$3,710,040.70	\$6,137,206.30

SANITARY CONVEYANCE SYSTEM

TOWNSHIP OF LONG HILL

SANITARY SYSTEM

VALUATION ANALYSIS

FEBRUARY 2017

SANITARY GRAVITY MAIN									
YEAR OF PURCHASE	ITEM	LINER FEET OF PIPE	AGE (YEARS)	LIFE	ORIGINAL UNIT COST	ORIGINAL COST	DEPRECIATION FACTOR	DEPRECIATION COST/UNIT	OCLD
2016			1	100		\$0.00	0.01	\$0.00	\$0.00
2015			2	100		\$0.00	0.02	\$0.00	\$0.00
2014	SLIP LINING	14000	3	100	\$45.00	\$630,000.00	0.03	\$1.35	\$611,100.00
2013			4	100		\$0.00	0.04	\$0.00	\$0.00
2012			5	100		\$0.00	0.05	\$0.00	\$0.00
2011			6	100		\$0.00	0.06	\$0.00	\$0.00
2010			7	100		\$0.00	0.07	\$0.00	\$0.00
2009	SANITARY SEWER IMPROVEMENTS	3520	8	100	\$130.00	\$493,000.00	0.08	\$10.40	\$420,992.00
2008		1000	9	100	\$130.00	\$130,000.00	0.09	\$11.70	\$118,300.00
2007		1000	10	100	\$130.00	\$130,000.00	0.10	\$13.00	\$117,000.00
2006			11	100		\$0.00	0.11	\$0.00	\$0.00
2005	SEWER LINE REPAIRS - POPLAR DRIVE	100	12	100	\$123.00	\$12,322.00	0.12	\$14.76	\$10,824.00
2004			13	100		\$0.00	0.13	\$0.00	\$0.00
2003			14	100		\$0.00	0.14	\$0.00	\$0.00
2002			15	100		\$0.00	0.15	\$0.00	\$0.00
2001			16	100		\$0.00	0.16	\$0.00	\$0.00
2000		2000	17	100	\$130.00	\$260,000.00	0.17	\$22.10	\$215,800.00
1999			18	100		\$0.00	0.18	\$0.00	\$0.00
1998			19	100		\$0.00	0.19	\$0.00	\$0.00
1997			20	100		\$0.00	0.20	\$0.00	\$0.00
1996			21	100		\$0.00	0.21	\$0.00	\$0.00
1995			22	100		\$0.00	0.22	\$0.00	\$0.00
1994			23	100		\$0.00	0.23	\$0.00	\$0.00
1993		5000	24	100	\$130.00	\$650,000.00	0.24	\$31.20	\$494,000.00
1992			25	100		\$0.00	0.25	\$0.00	\$0.00
1991		5000	26	100	\$119.60	\$598,000.00	0.26	\$31.10	\$442,520.00
1990		5000	27	100	\$118.30	\$591,500.00	0.27	\$31.94	\$431,795.00
1989		5000	28	100	\$118.30	\$591,500.00	0.28	\$33.12	\$425,880.00
1988		5000	29	100	\$118.30	\$591,500.00	0.29	\$34.31	\$419,965.00
1987		10000	30	100	\$117.00	\$1,170,000.00	0.30	\$35.10	\$819,000.00
1986		10000	31	100	\$117.00	\$1,170,000.00	0.31	\$36.27	\$807,300.00
1985		7500	32	100	\$117.00	\$877,500.00	0.32	\$37.44	\$596,700.00
1984		7500	33	100	\$117.00	\$877,500.00	0.33	\$38.61	\$587,925.00
1983		7500	34	100	\$101.40	\$760,500.00	0.34	\$34.48	\$501,930.00
1982			35	100		\$0.00	0.35	\$0.00	\$0.00

SANITARY GRAVITY MAIN - CONT'D

YEAR OF PURCHASE	ITEM	LINER FEET OF PIPE	AGE (YEARS)	LIFE	ORIGINAL UNIT COST	ORIGINAL COST	DEPRECIATION FACTOR	DEPRECIATION COST/UNIT	OCLD
1981		8000	35	100		\$0.00	0.35	\$0.00	\$0.00
1980		8000	36	100	\$96.20	\$769,600.00	0.36	\$34.63	\$492,544.00
1979		9000	37	100	\$96.20	\$865,800.00	0.37	\$35.59	\$545,454.00
1978			38	100		\$0.00	0.38	\$0.00	\$0.00
1977			39	100		\$0.00	0.39	\$0.00	\$0.00
1976		9000	40	100	\$85.80	\$772,200.00	0.40	\$34.32	\$463,320.00
1975		8500	41	100	\$85.80	\$729,300.00	0.41	\$35.18	\$430,287.00
1974		10000	42	100	\$85.80	\$858,000.00	0.42	\$36.04	\$497,640.00
1973		5500	43	100	\$83.20	\$457,600.00	0.43	\$35.78	\$260,832.00
1972		5500	44	100	\$78.00	\$429,000.00	0.44	\$34.32	\$240,240.00
1971			45	100		\$0.00	0.45	\$0.00	\$0.00
1970			46	100		\$0.00	0.46	\$0.00	\$0.00
1969		10000	47	100	\$58.50	\$585,000.00	0.47	\$27.50	\$310,050.00
1968			48	100		\$0.00	0.48	\$0.00	\$0.00
1967		10000	48	100	\$52.00	\$520,000.00	0.48	\$24.96	\$270,400.00
1966	14" ACP	9000	50	100	\$60.00	\$540,000.00	0.50	\$30.00	\$270,000.00
1965			51	100		\$0.00	0.51	\$0.00	\$0.00
1964			52	100		\$0.00	0.52	\$0.00	\$0.00
1963	12" ACP	4000	53	100	\$42.00	\$168,000.00	0.53	\$22.26	\$78,960.00
1962	10" ACP	3000	54	100	\$40.50	\$121,500.00	0.54	\$21.87	\$55,890.00
1961			55	100		\$0.00	0.55	\$0.00	\$0.00
1960	14" ACP	5000	56	100	\$30.00	\$150,000.00	0.56	\$16.80	\$66,000.00
1959			57	100		\$0.00	0.57	\$0.00	\$0.00
1958			58	100		\$0.00	0.58	\$0.00	\$0.00
1957	10" ACP	5500	59	100	\$20.25	\$111,375.00	0.59	\$11.95	\$45,663.75
1956			60	100		\$0.00	0.60	\$0.00	\$0.00
1955		6370	61	100	\$19.50	\$124,215.00	0.61	\$11.90	\$48,443.85
1954		5000	62	100	\$19.50	\$97,500.00	0.62	\$12.09	\$37,050.00
1953			63	100		\$0.00	0.63	\$0.00	\$0.00
1952		5000	64	100	\$17.55	\$87,750.00	0.64	\$11.23	\$31,590.00
1951	10" ACP	5000	65	100	\$16.90	\$84,500.00	0.65	\$10.99	\$29,575.00
1950			66	100		\$0.00	0.66	\$0.00	\$0.00
1949		5000	67	100	\$13.00	\$65,000.00	0.67	\$8.71	\$21,450.00
1948		5000	68	100	\$13.00	\$65,000.00	0.68	\$8.84	\$20,800.00
1947	10" ACP	5000	69	100	\$13.50	\$67,500.00	0.69	\$9.32	\$20,925.00
1946	10" ACP	6000	70	100	\$13.50	\$81,000.00	0.70	\$9.45	\$24,300.00
1945		6500	71	100	\$13.00	\$84,500.00	0.71	\$9.23	\$24,505.00
1944			72	100		\$0.00	0.72	\$0.00	\$0.00
1943			73	100		\$0.00	0.73	\$0.00	\$0.00
1942		5500	74	100	\$13.00	\$71,500.00	0.74	\$9.62	\$18,590.00
1941			75	100		\$0.00	0.75	\$0.00	\$0.00
1940			76	100	\$13.00	\$0.00	0.76	\$9.88	\$0.00
1939			77	100		\$0.00	0.77	\$0.00	\$0.00
1938	10" ACP	5000	78	100	\$13.50	\$67,500.00	0.78	\$10.53	\$14,850.00
1937			79	100		\$0.00	0.79	\$0.00	\$0.00
1936	12" ACP	5000	80	100	\$14.00	\$70,000.00	0.80	\$11.20	\$14,000.00
1935			81	100		\$0.00	0.81	\$0.00	\$0.00

SANITARY GRAVITY MAIN - CONT'D

YEAR OF PURCHASE	ITEM	LINER FEET OF PIPE	AGE (YEARS)	LIFE	ORIGINAL UNIT COST	ORIGINAL COST	DEPRECIATION FACTOR	DEPRECIATION COST/UNIT	OCLD
1934			82	100		\$0.00	0.82	\$0.00	\$0.00
1933		5500	83	100	\$13.00	\$71,500.00	0.83	\$10.79	\$12,155.00
1932		5500	84	100	\$13.00	\$71,500.00	0.84	\$10.92	\$11,440.00
1931		4500	85	100	\$13.00	\$58,500.00	0.85	\$11.05	\$8,775.00
1930		4500	86	100	\$13.00	\$58,500.00	0.86	\$11.18	\$8,190.00
1929		2800	87	100	\$13.00	\$36,400.00	0.87	\$11.31	\$4,732.00
		286290	2015			\$17,873,062.00		\$6,473,379.40	\$11,399,682.60

TOWNSHIP OF LONG HILL
SANITARY SYSTEM
VALUATION ANALYSIS
FEBRUARY 2017

SANITARY MANHOLES

YEAR OF PURCHASE	ITEM	# OF MANHOLES	AGE (YEARS)	LIFE	ORIGINAL UNIT COST	ORIGINAL COST	DEPRECIATION FACTOR	DEPRECIATION COST/UNIT	OCLD
2016			0	100	\$0.00	\$0.00	0	\$0.00	\$0.00
2015			1	100	\$0.00	\$0.00	0.01	\$0.00	\$0.00
2014			2	100	\$0.00	\$0.00	0.02	\$0.00	\$0.00
2013			3	100	\$0.00	\$0.00	0.03	\$0.00	\$0.00
2012			4	100	\$0.00	\$0.00	0.04	\$0.00	\$0.00
2011			5	100	\$0.00	\$0.00	0.05	\$0.00	\$0.00
2010			6	100	\$0.00	\$0.00	0.06	\$0.00	\$0.00
2009		1	7	100	\$4,000.00	\$4,000.00	0.07	\$280.00	\$3,720.00
2008		2	8	100	\$4,000.00	\$8,000.00	0.08	\$320.00	\$7,360.00
2007		2	9	100	\$4,000.00	\$8,000.00	0.09	\$360.00	\$7,280.00
2006			10	100	\$0.00	\$0.00	0.10	\$0.00	\$0.00
2005			11	100	\$0.00	\$0.00	0.11	\$0.00	\$0.00
2004			12	100	\$0.00	\$0.00	0.12	\$0.00	\$0.00
2003			13	100	\$0.00	\$0.00	0.13	\$0.00	\$0.00
2002			14	100	\$0.00	\$0.00	0.14	\$0.00	\$0.00
2001			15	100	\$4,000.00	\$0.00	0.15	\$600.00	\$0.00
2000		10	16	100	\$4,000.00	\$40,000.00	0.16	\$640.00	\$33,600.00
1999			17	100	\$4,000.00	\$0.00	0.17	\$680.00	\$0.00
1998			18	100	\$3,960.00	\$0.00	0.18	\$712.80	\$0.00
1997			19	100	\$3,960.00	\$0.00	0.19	\$752.40	\$0.00
1996			20	100	\$3,920.00	\$0.00	0.20	\$784.00	\$0.00
1995		10	21	100	\$3,920.00	\$39,200.00	0.21	\$823.20	\$30,968.00
1994		15	22	100	\$3,960.00	\$59,400.00	0.22	\$871.20	\$46,332.00
1993		20	23	100	\$3,960.00	\$79,200.00	0.23	\$910.80	\$60,984.00
1992		20	24	100	\$3,960.00	\$79,200.00	0.24	\$950.40	\$60,192.00
1991		20	25	100	\$3,960.00	\$79,200.00	0.25	\$990.00	\$59,400.00
1990		18	26	100	\$3,600.00	\$64,800.00	0.26	\$936.00	\$47,952.00
1989		18	27	100	\$3,600.00	\$64,800.00	0.27	\$972.00	\$47,304.00
1988		16	28	100	\$3,600.00	\$57,600.00	0.28	\$1,008.00	\$41,472.00
1987		35	29	100	\$3,600.00	\$126,000.00	0.29	\$1,044.00	\$89,460.00
1986		34	30	100	\$3,600.00	\$122,400.00	0.30	\$1,080.00	\$85,680.00
1985		25	31	100	\$3,400.00	\$85,000.00	0.31	\$1,054.00	\$58,650.00
1984		25	32	100	\$3,400.00	\$85,000.00	0.32	\$1,088.00	\$57,800.00
1983		25	33	100	\$3,400.00	\$85,000.00	0.33	\$1,122.00	\$56,950.00
1982		25	34	100	\$3,400.00	\$85,000.00	0.34	\$1,156.00	\$56,100.00
1981		25	35	100	\$3,400.00	\$85,000.00	0.35	\$1,190.00	\$55,250.00
1980		25	36	100	\$3,400.00	\$85,000.00	0.36	\$1,224.00	\$54,400.00
1979		28	37	100	\$3,400.00	\$95,200.00	0.37	\$1,258.00	\$59,976.00
1978		25	38	100	\$3,200.00	\$80,000.00	0.38	\$1,216.00	\$49,600.00
1977		20	39	100	\$3,200.00	\$64,000.00	0.39	\$1,248.00	\$39,040.00
1976		28	40	100	\$3,200.00	\$89,600.00	0.40	\$1,280.00	\$53,760.00
1975		27	41	100	\$3,200.00	\$86,400.00	0.41	\$1,312.00	\$50,976.00
1974		30	42	100	\$3,200.00	\$96,000.00	0.42	\$1,344.00	\$55,680.00
1973		20	43	100	\$3,200.00	\$64,000.00	0.43	\$1,376.00	\$36,480.00

SANITARY MANHOLES - CONT'D

YEAR OF PURCHASE	ITEM	# OF MANHOLES	AGE (YEARS)	LIFE	ORIGINAL UNIT COST	ORIGINAL COST	DEPRECIATION FACTOR	DEPRECIATION COST/UNIT	OCLD
1972		18	44	100	\$3,200.00	\$57,600.00	0.44	\$1,408.00	\$32,256.00
1971		20	45	100	\$3,200.00	\$64,000.00	0.45	\$1,440.00	\$35,200.00
1970		20	46	100	\$3,200.00	\$64,000.00	0.46	\$1,472.00	\$34,560.00
1969		29	47	100	\$3,164.00	\$91,756.00	0.47	\$1,487.08	\$48,630.68
1968		20	48	100	\$3,120.00	\$62,400.00	0.48	\$1,497.60	\$32,448.00
1967		30	49	100	\$2,988.00	\$89,640.00	0.49	\$1,464.12	\$45,716.40
1966		30	50	100	\$2,988.00	\$89,640.00	0.50	\$1,494.00	\$44,820.00
1965		20	51	100	\$2,988.00	\$59,760.00	0.51	\$1,523.88	\$29,282.40
1964		20	52	100	\$2,960.00	\$59,200.00	0.52	\$1,539.20	\$28,416.00
1963		19	53	100	\$2,960.00	\$56,240.00	0.53	\$1,568.80	\$26,432.80
1962		20	54	100	\$2,960.00	\$59,200.00	0.54	\$1,598.40	\$27,232.00
1961		15	55	100	\$2,468.00	\$37,020.00	0.55	\$1,357.40	\$16,659.00
1960		13	56	100	\$2,468.00	\$32,084.00	0.56	\$1,382.08	\$14,116.96
1959		15	57	100	\$2,468.00	\$37,020.00	0.57	\$1,406.76	\$15,918.60
1958		15	58	100	\$2,400.00	\$36,000.00	0.58	\$1,392.00	\$15,120.00
1957		15	59	100	\$2,400.00	\$36,000.00	0.59	\$1,416.00	\$14,760.00
1956		5	60	100	\$2,400.00	\$12,000.00	0.60	\$1,440.00	\$4,800.00
1955		21	61	100	\$2,400.00	\$50,400.00	0.61	\$1,464.00	\$19,656.00
1954		20	62	100	\$2,400.00	\$48,000.00	0.62	\$1,488.00	\$18,240.00
1953		10	63	100	\$2,360.00	\$23,600.00	0.63	\$1,486.80	\$8,732.00
1952		15	64	100	\$2,320.00	\$34,800.00	0.64	\$1,484.80	\$12,528.00
1951		15	65	100	\$2,000.00	\$30,000.00	0.65	\$1,300.00	\$10,500.00
1950		10	66	100	\$1,960.00	\$19,600.00	0.66	\$1,293.60	\$6,664.00
1949		16	67	100	\$1,880.00	\$30,080.00	0.67	\$1,259.60	\$9,926.40
1948		20	68	100	\$1,840.00	\$36,800.00	0.68	\$1,251.20	\$11,776.00
1947		20	69	100	\$1,800.00	\$36,000.00	0.69	\$1,242.00	\$11,160.00
1946		20	70	100	\$1,600.00	\$32,000.00	0.70	\$1,120.00	\$9,600.00
1945		20	71	100	\$1,520.00	\$30,400.00	0.71	\$1,079.20	\$8,816.00
1944			72	100	\$1,480.00	\$0.00	0.72	\$1,065.60	\$0.00
1943			73	100	\$1,400.00	\$0.00	0.73	\$1,022.00	\$0.00
1942		18	74	100	\$1,200.00	\$21,600.00	0.74	\$888.00	\$5,616.00
1941		8	75	100	\$1,200.00	\$9,600.00	0.75	\$900.00	\$2,400.00
1940		8	76	100	\$800.00	\$6,400.00	0.76	\$608.00	\$1,536.00
1939			77	100	\$800.00	\$0.00	0.77	\$616.00	\$0.00
1938		18	78	100	\$800.00	\$14,400.00	0.78	\$624.00	\$3,168.00
1937			79	100	\$544.00	\$0.00	0.79	\$429.76	\$0.00
1936		20	80	100	\$544.00	\$10,880.00	0.80	\$435.20	\$2,176.00
1935		5	81	100	\$544.00	\$2,720.00	0.81	\$440.64	\$516.80
1934		5	82	100	\$480.00	\$2,400.00	0.82	\$393.60	\$432.00
1933		25	83	100	\$480.00	\$12,000.00	0.83	\$398.40	\$2,040.00
1932		28	84	100	\$480.00	\$13,440.00	0.84	\$403.20	\$2,150.40
1931		30	85	100	\$412.00	\$12,360.00	0.85	\$350.20	\$1,854.00
1930		25	86	100	\$400.00	\$10,000.00	0.86	\$344.00	\$1,400.00
1929		10	87	100	\$360.00	\$3,600.00	0.87	\$313.20	\$468.00
		1260				\$3,351,640.00		\$1,427,549.56	\$1,924,090.44

**TOWNSHIP OF LONG HILL
SANITARY SYSTEM
VALUATION ANALYSIS
FEBRUARY 2017**

SANITARY FORCE MAIN

YEAR OF PURCHASE	ITEM	LINER FEET OF PIPE	AGE (YEARS)	LIFE	ORIGINAL UNIT COST	ORIGINAL COST	DEPRECIATION FACTOR	DEPRECIATION COST/UNIT	OCLD
1975	VALLEY ROAD PUMP STATION - 4" PVC	800	42	100	\$40.00	\$32,000.00	0.42	\$16.80	\$18,560.00
1975	CENTENNIAL VILLAGE PUMP STATION - 2" PVC	150	42	100	\$30.00	\$4,500.00	0.42	\$12.60	\$2,610.00
1970	MORRISTOWN ROAD PUMP STATION - 8" PVC	400	47	100	\$45.00	\$18,000.00	0.47	\$21.15	\$9,540.00
1970	NEW VERNON PUMP STATION - 8" PVC	900	47	100	\$45.00	\$40,500.00	0.47	\$21.15	\$21,465.00
1970	SKYLINE DRIVE PUMP STATION - 8" PVC	3500	47	100	\$45.00	\$157,500.00	0.47	\$21.15	\$83,475.00
1950	CLOVERHILL DRIVE PUMP STATION -4"	2200	67	100	\$20.00	\$44,000.00	0.67	\$13.40	\$14,520.00
1975	HERITAGE ROAD PUMP STATION - 6" PVC	2500	42	100	\$40.00	\$100,000.00	0.42	\$16.80	\$58,000.00
2008	UNION AVE PUMP STATION - 6"	1600	9	100	\$75.00	\$120,000.00	0.09	\$6.75	\$109,200.00
1984	WWTP FORCE MAIN - 10"	3150	33	100	\$60.00	\$189,000.00	0.33	\$19.80	\$126,630.00
		15200				\$516,500.00		\$199,130.00	\$317,370.00