

MAPLE HARBOR AREA SEWER ENGINEER'S OPINION OF PROBABLE COST

MDOT Item no.	Unit	Description	FROM SHEET					TOTAL	ENGINEERS EST	
			3	4	5	6	7		Unit Price	Amount
1500001	LS	MOBILIZATION, MAX. _____						1	\$ 15,000.00	\$ 15,000.00
1600001	LS	CONSTRUCTION STAKING SP						1	\$ 2,500.00	\$ 2,500.00
3020016	SYD	AGGREGATE BASE, 6 INCH	773	1670	1504	460	45	4452	\$ 5.00	\$ 22,260.00
3070126	SYD	SHOULDER CL II, 4 INCH	220			184		404	\$ 4.00	\$ 1,616.00
8237001	EA	SEWER, HPDE (SDR-11), 1 1/2 INCH	0	50			55	105	\$ 20.00	\$ 2,100.00
8237001	EA	SEWER, HPDE (SDR-11), 2 INCH		116				116	\$ 20.00	\$ 2,320.00
	EA	SAN SERVICE, PRESSURE		3				3	\$ 3,000.00	\$ 9,000.00
8237001	EA	SEWER, HPDE (SDR-11), 4 INCH					1279	1279	\$ 22.00	\$ 28,138.00
4020240	FT	SEWER, PVC (SDR-35), 4 INCH	210	240	120	40		610	\$ 26.00	\$ 15,860.00
4020241	FT	SEWER, PVC (SDR-35), 8 INCH	728	720	606	431		2485	\$ 37.50	\$ 93,187.50
4030222	EA	SAN STRUCTURE, 48 INCH DIA.	4	4	2	2		12	\$ 3,000.00	\$ 36,000.00
	EA	PUMP STATION, COMPLETE	1					1	\$ 65,000.00	\$ 65,000.00
	EA	VALVE VAULT COMPLETE	1					1	\$ 4,500.00	\$ 4,500.00
	EA	SAN STRUCTURE, 48 INCH DIA., AIR RELIEF					1	1	\$ 4,500.00	\$ 4,500.00
	EA	SAN STRUCTURE, 48 INCH DIA., CLEANOUT		1			2	3	\$ 4,000.00	\$ 12,000.00
	EA	DR STRUCTURE, 48 INCH DIA., DRYWELL		1				1	\$ 2,500.00	\$ 2,500.00
5010005	SYD	HMA, SURFACE, REM	553	1631	1362	276	45	3867	\$ 3.20	\$ 12,374.40
5010033	TON	HMA, 4E1, MOD, TOP	75	180	148	31	4	438	\$ 72.00	\$ 31,536.00
5010034	TON	HMA, 4E1, MOD, LEVELING	61	0	0	31	4	96	\$ 76.00	\$ 7,296.00
8010005	SYD	DRIVEWAY, NONREINF CONC, 6 INCH		60	14			74	\$ 50.00	\$ 3,700.00
8160025	SYD	MULCH	723	454	367	479	223	2246	\$ 0.60	\$ 1,347.60
8160037	LB	SEEDING, MIXTURE TDS	53	33	27	35	17	165	\$ 3.00	\$ 495.00
8160062	SYD	TOPSOIL SURFACE, FURN, 3 INCH	723	454	367	479	223	2246	\$ 3.60	\$ 8,085.60
								0	\$ -	\$ -

(as of August 15, 2017)

TOTAL PROJECT	\$	381,316.10
ROAD RESTORATION TERRACE, OAKWOOD, WAHBOOS	\$	39,486.00
MHSD PROJECT SUBTOTAL	\$	341,830.10
ENGINEERING, SURVEY, & CONTRACT ADMIN (16%)	\$	61,010.58
TOWNSHIP COST (4%)	\$	13,673.20
BOND COST (4%)	\$	13,673.20
TOTAL PROJECT COSTS	\$	430,187.08
5% PROJECT CONTINGENCY	\$	21,509.35
TOTAL MHSD PROJECT COST ESTIMATE	\$	451,696.44
SPECIAL ASSEMENT DISTRIC PROPERTY OWNERS		42
INDIVIDUAL COST	\$	10,754.68