

PHILIPS DRIVE NEIGHBORHOOD ROADWAY AND DRAINAGE IMPROVEMENTS
NEWBURYPORT, MASSACHUSETTS
ENGINEER'S ESTIMATE
75% DESIGN
APRIL 9, 2021
PREPARED BY BSC GROUP
BSC PROJECT NO. 89923.00

Item No		Description	Unit of Measure	Unit Price	PHASE 1 QTY	PHASE 2 QTY	Total Quantity	PHASE 1 TOTAL	PHASE 2 TOTAL	Total
142.		CLASS B TRENCH EXCAVATION	CY	\$41.750	950	0	950.000	\$39,662.50	\$0.00	\$39,662.50
144.		CLASS B ROCK EXCAVATION	CY	\$150.000	143	0	142.500	\$21,375.00	\$0.00	\$21,375.00
146.		DRAINAGE STRUCTURE REMOVED	EA	\$786.000	22	6	28.000	\$17,292.00	\$4,716.00	\$22,008.00
170.		FINE GRADING AND COMPACTING	SY	\$3.550	13300	5600	18900.333	\$47,215.39	\$19,880.79	\$67,096.18
201.		CATCH BASIN	EA	\$5,000.000	27	7	34.000	\$135,000.00	\$35,000.00	\$170,000.00
202.		MANHOLE	EA	\$5,500.000	27	5	32.000	\$148,500.00	\$27,500.00	\$176,000.00
206.		DROP INLET, TYPE A	EA	\$3,600.000	7	2	9.000	\$25,200.00	\$7,200.00	\$32,400.00
220.7		SANITARY STRUCTURES ADJUSTED	EA	\$423.340	18	6	24.000	\$7,620.12	\$2,540.04	\$10,160.16
241.15		15 INCH REINFORCED CONCRETE PIPE	FT	\$100.000	85	0	85.000	\$8,500.00	\$0.00	\$8,500.00
252.115		15 INCH CORRUGATED PLASTIC PIPE FLARED END	EA	\$1,200.000	1	0	1.000	\$1,200.00	\$0.00	\$1,200.00
252.12		12 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE	FT	\$100.000	625	120	745.000	\$62,500.00	\$12,000.00	\$74,500.00
252.130		30 INCH CORRUGATED PLASTIC PIPE FLARED END	EA	\$1,500.000	1	0	1.000	\$1,500.00	\$0.00	\$1,500.00
252.15		15 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE	FT	\$100.000	1475	845	2320.000	\$147,500.00	\$84,500.00	\$232,000.00
252.18		18 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE	FT	\$107.500	250	255	505.000	\$26,875.00	\$27,412.50	\$54,287.50
252.24		24 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE	FT	\$140.000	460	0	460.000	\$64,400.00	\$0.00	\$64,400.00
252.30		30 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE	FT	\$180.000	525	0	525.000	\$94,500.00	\$0.00	\$94,500.00
269.10		10 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN)	FT	\$110.000	1760	0	1760.000	\$193,600.00	\$0.00	\$193,600.00
303.06		6 INCH DUCTILE IRON WATER PIPE (MECHANICAL JOINT)	FT	\$165.000	4300	2715	7015.000	\$709,500.00	\$447,975.00	\$1,157,475.00
347.075		3/4 INCH COPPER TUBING TYPE K	FT	\$90.000	1425	600	2025.000	\$128,250.00	\$54,000.00	\$182,250.00
376.		HYDRANT	EA	\$5,612.000	5	1	6.000	\$28,060.00	\$5,612.00	\$33,672.00
384.		CURB STOP	EA	\$650.000	53	23	76.000	\$34,450.00	\$14,950.00	\$49,400.00
403.		RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE	SY	\$3.750	10300	5100	15399.333	\$38,623.75	\$19,123.75	\$57,747.50
450.21		SUPERPAVE SURFACE COURSE - 4.75 (SSC - 4.75)	TON	\$120.000	875	430	1304.750	\$105,030.00	\$51,540.00	\$156,570.00
450.41		SUPERPAVE BASE COURSE - 25.0 (SBC - 25.0)	TON	\$100.000	1160	570	1730.000	\$116,000.00	\$57,000.00	\$173,000.00
470.		HOT MIX ASPHALT BERM	TON	\$262.000	90	50	140.340	\$23,617.99	\$13,151.09	\$36,769.08
702.		HOT MIX ASPHALT SIDEWALK	TON	\$225.000	115	64	178.411	\$25,815.88	\$14,326.54	\$40,142.42
703.		HOT MIX ASPHALT DRIVEWAY	TON	\$225.000	51	26	77.112	\$11,566.80	\$5,783.40	\$17,350.20
752.		TOPSOIL REHANDLED AND SPREAD	CY	\$30.000	600	100	700.000	\$17,996.67	\$3,003.33	\$21,000.00
765.		SEEDING	SY	\$2.260	3000	500	3500.000	\$6,781.00	\$1,129.00	\$7,910.00
901.		4000 PSI 1.5 INCH, 565 CEMENT CONCRETE	CY	\$850.430	10	2	12.000	\$8,504.30	\$1,700.86	\$10,205.16
910.		STEEL REINFORCEMENT FOR STRUCTURES	LB	\$5.600	175	25	200.000	\$980.00	\$140.00	\$1,120.00
SUBTOTAL =								\$2,297,616.41	\$910,184.30	\$3,207,800.70
CONTINGENCY (20%) =								\$459,523.28	\$182,036.86	\$641,560.14
TOTAL (Rounded to nearest 1,000)=								\$2,758,000.00	\$1,093,000.00	\$3,850,000.00