

S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	UNIT	LABOR			MATERIAL (\$Per Unit)	EQUIPMENT (\$Per Unit)	COMPOSITE RATE/UNIT	TOTAL COST
							MHrs/ Unit	\$/Hour	(\$Per Unit)				
			010000	DIVISION 01 - GENERAL REQUIREMENTS									
1				MOBILIZATION	1	LS							
2				BOND & INSURANCE	1	LS							
3				SUPERVISION	1	LS							
4				SUBMITTALS & SAMPLES	1	LS							
5				TEMPORARY FACILITIES & CONTROLS	1	LS							
6				PROJECT SCHEDULE	1	LS							
7				CLOSEOUT PROCEDURES	1	LS							
8				PERMITS	1	LS							
Subtotal												\$ -	
			310000	DIVISION 31 - EARTHWORK									
				TOPSOIL									
9				6" TOPSOIL STRIPPING	5224	CY						\$ -	
10				6" TOPSOIL RESPREADING	3704	CY						\$ -	
11				EXPORT SURPLUS TOPSOIL	1519	CY						\$ -	
				GRADING									
12				CUT	12299	CY						\$ -	
13				FILL	22741	CY						\$ -	
14				IMPORT FILL MATERIAL	10442	CY						\$ -	
			312500	EROSION & SEDIMENTATION CONTOL									
15	CS1001			GROUND PROTECTION MAT	2564	SF						\$ -	
16	CS8001			SILT FENCE/HAYBALE BARRIER	1607	LF						\$ -	
17				HEAVY DUTY SILT FENCE	1907	LF						\$ -	
18				STONE CHECK DAM (3'X3' APPROX)	576	LF						\$ -	
19				2'X1' WOOD WASTE COMPOST/BARK @ WOODCHIP BERM	437	LF						\$ -	
20				CATCH BASIN SEDIMENTATION TRAP	6	EA						\$ -	
21				4'H CHAINLINK FENCE	360	LF						\$ -	
22				STABILIZED CONSTRUCTION ENTERANCE	670	SF						\$ -	
Subtotal												\$ -	
			320000	DIVISION 32 - EXTERIOR IMPROVEMENT									
CS1501				RETAINING WALL AVG HEIGHT ASSUMED=7									
23				RETAINING WALL (7' AVG HEIGHT ASSUMED) Note: Final design of modular wall system to be by wll manufacturer per geoteck recommendations)	4529	SF						\$ -	
24				6' VINYL FENCE	217	LF						\$ -	
25				PROP.WOODEN SPLIT RAIL FENCE PLACED ALONG TREE LINE	289	LF						\$ -	
26				GUARDRAIL WITH 4'H CHAINLINK FENCE	184	LF						\$ -	
27				DETECTABLE WARNING SURFACE	7	SF						\$ -	
28				SNOW STORAGE AREA	7675	SF						\$ -	
29				6"X18" SLOPED GRANITE CURB	2278	LF						\$ -	
				BITUMEN CONCRETE DRIVEWAY									
30					1.5" BITUMENOUS TOP COURSE	21710	SF					\$ -	
31					2" BITUMENOUS BINDER COURSE	21710	SF					\$ -	
32					8" COMACTED GRAVEL	727	TN					\$ -	
33					COMPACTION OF SUBGRADE	21710	SF					\$ -	
				ASPHALT PAVEMENT ROADWAY									
34					1-1/2" BITUMENOUS TOP COURSE	34895	SF					\$ -	
35					2" BITUMENOUS BINDER COURSE	34895	SF					\$ -	
36					6" COMPACTED DENSE GRADES CRUSHED STONE SUB-BASE	872	TN					\$ -	
37					6" COMPACTED SUB-BASE TYPE C	872	TN					\$ -	
				SIDEWALK									
38				1" BITUMENOUS TOP COURSE	3773	SF					\$ -		
39				1-1/2" BITUMENOUS BINDER COURSE	3773	SF					\$ -		
40				8" COMACTED GRAVEL	126	TN					\$ -		
41				COMPACTION OF SUBGRADE	3773	SF					\$ -		
			323300	SITE FURNISHING									
42	CS1001			PROPOSED GAZEBO W/ MAILBOXES	142	SF						\$ -	
43				PLAY SET AREA	330	SF						\$ -	
44				PROPOSED HIGH FLYER DELUXE PLAYGROUND SET	1	EA						\$ -	
45				PROP MUTT MITT DOG WASTE STATION	1	EA						\$ -	
			329000	PLANTING									
46	CS1001			TREE	55	EA						\$ -	
47				SHRUBS	259	EA						\$ -	
48				INSTALL TREE WELL	4	EA						\$ -	
49				SEED WITH NEW ENGLAND SEED MIX	6515	SF						\$ -	
50	CS1001			PROTECT HARDPACKED GRASS AREA	5451	SF						\$ -	
Subtotal												\$ -	
			330000	UTILITIES									
			331000	WATER UTILITIES									
51	CS1701			4" CLDI CLASS 52 WATERLINE	402	LF						\$ -	
52				1" PLASTIC/HDPE SERVICE TAPPED FROM 4"/8" MAINS	1165	LF						\$ -	
53				6" CLDI CLASS 52 WATER LINE	60	LF						\$ -	
54				8" CLDI CLASS 52 WATER LINE	1038	LF						\$ -	
55				8"x8" TEE	1	EA						\$ -	
56				8" GATE VALVE	3	EA						\$ -	
57				4" BLOW OFF VALVE	2	EA						\$ -	
58				4" GATE VALVE	2	EA						\$ -	
59				FIRE HYDRANT	3	EA						\$ -	
60				8"x4" TEE	2	EA						\$ -	
61				6" GATE VALVE	3	EA						\$ -	
62				EXCAVATION	737	CY						\$ -	
63				BEDDING	371	TN						\$ -	
64				TRENCH SPOIL EXPORT	20	CY						\$ -	
65				BACK FILLING	443	CY						\$ -	
			331000	SANITARY SEWER									
66	CS3502			8" SDR-35 SS	1153	LF						\$ -	
67				6" SDR 35 SS	748	LF						\$ -	
68				4" SDR 35 SS	9	LF						\$ -	
69				2" SCH 40 SS	108	LF						\$ -	
				MANHOLES									
70				SMH 1-1A, RIM=65.75, INV=60.40 VLF= 5.35	1	EA						\$ -	
71				SMH 1-1, RIM=65.25, INV=60.72 VLF= 4.53	1	EA						\$ -	
72				SMH 1-6 48" MH, RIM=63.90, IE=60.99 VLF= 2.91	1	EA						\$ -	
73				SMH 1-7, RIM=66.00, INV=61.57VLF= 4.43	1	EA						\$ -	
74				SMH 1-8, RIM=69.00, IE=62.27 VLF= 6.73	1	EA						\$ -	
75				SMH 1-2, RIM=69.17, IE=61.34 VLF= 7.83	1	EA						\$ -	

QTY	UNIT	LABOR	MATERIAL	EQUIPMENT	COMPOSITE	TOTAL COST					
CS#	DWG #	DETAIL #	CS NO	DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	EQUIPMENT	COMPOSITE	TOTAL COST
76	CS1701			SMH 2-2, RIM=70.59, IE=65.42 VLF= 5.17	1	EA					\$ -
77				SMH 2-4, RIM=71.47, IE=66.40 VLF= 5.07	1	EA					\$ -
78				SMH 2-3, RIM=70.50, IE=66.52, VLF= 3.98	1	EA					\$ -
79				SMH 1-3, RIM=71.03, IE=61.82, VLF= 9.21	1	EA					\$ -
80				SMH 1-4, RIM=70.40, IE=62.68, VLF= 7.72	1	EA					\$ -
81	CS3502			SMH 1-5, RIM=69.71, IE=63.23, VLF= 6.48	1	EA					\$ -
82				MANHOLE FRAME & COVER	12	EA					\$ -
83				VERTICAL ALLOWANCE	69	VF					\$ -
84				18000 GALLON PRIMARY TANK	1	EA					\$ -
85				9000 GALLON SECONDARY TANK	1	EA					\$ -
86				10000 GALLON PUMP CHAMBER	1	EA					\$ -
87				2" RIGID INSULATION	327	SF					\$ -
88				PRESBY SEPTIC SYSTEM 1&2							
89				FILL SAND	5349	CY					\$ -
90				4" PVC MANIFOLD PIPE	1272	LF					\$ -
91	CS1501			1-1/2" PVC DISTRIBUTION PIPE	1272	LF					\$ -
92				2'X2' GRAVEL DRAIN	254	TN					\$ -
93				4" LOAM COVER	66	CY					\$ -
94				EXCAVATION	994	CY					\$ -
95				BEDDING	501	TN					\$ -
96				TRENCH SPOIL EXPORT	26	CY					\$ -
97				BACK FILLING	596	CY					\$ -
98				STORM DRAINAGE							
99				8" CLDI SD	19	LF					\$ -
100				12" CLDI SD	120	LF					\$ -
101				18" HDPE SD	82	LF					\$ -
102				12" HDPE SD	540	LF					\$ -
103				15" HDPE SD	427	LF					\$ -
104				8" PVC ROOF DRAIN	779	LF					\$ -
105				ROOF INFILTRATOR/ COLLECTOR	9	EA					\$ -
106				MANHOLES							
107				DMH 1, RIM=54.72, IE=52.38 VLF= 2.34	1	EA					\$ -
108				DMH 2, RIM=56.20, IE=51.68, VLF=4.52	1	EA					\$ -
109				DMH 3, RIM=62.67, IE=55.29, VLF=7.38	1	EA					\$ -
110				DMH 4, RIM=64.62, IE=57.66, VLF=6.96	1	EA					\$ -
111				DMH 5, RIM=70.00, IE=65.91, VLF=4.09	1	EA					\$ -
112				DMH 6, RIM=71.70, IE=65.14, VLF=6.56	1	EA					\$ -
113				DMH 7, RIM=71.00, IE=64.90, VLF=6.10	1	EA					\$ -
114				DMH 8, RIM=70.21, IE=64.90, VLF=5.31	1	EA					\$ -
115				DMH 9, RIM=69.81, IE=60, VLF=9.81	1	EA					\$ -
116				DMH 10, RIM=58.00, IE=53.59 VLF= 4.41	1	EA					\$ -
117				FRAME & COVER	10	EA					\$ -
118				VERTICAL ALLOWANCE	57	VF					\$ -
119				CATCH BASINS							
120				CB 1, GT=54.50, IE=52.52, VLF= 1.98	1	EA					\$ -
121				CB 2, GT=54.50, IE=52.52, VLF= 1.98	1	EA					\$ -
122				CB 3, GT=55.85, IE=51.84, VLF=4.01	1	EA					\$ -
123				CB 4, GT=55.85, IE=51.84, VLF=4.01	1	EA					\$ -
124				CB 5, GT=65.59, IE=58.00, VLF=7.59	1	EA					\$ -
125				CB 6, GT=65.08, IE=58.00, VLF=7.08	1	EA					\$ -
126				CB 7, GT=69.28, IE=65.91, VLF=3.37	1	EA					\$ -
127				CB 8, GT=69.28, IE=65.91, VLF=3.37	1	EA					\$ -
128				CB 9, GT=69.40, IE=65.19, VLF=4.21	1	EA					\$ -
129				HEADWALLS							
130				HEADWALL (18" DIA)	1	EA					\$ -
131				OUTLET CONTROL STRUCTURES	4	EA					\$ -
132				FLARE END SECTIONS							
133				FES 2 (15" HDPE)	2	EA					\$ -
134				FES 5 (12" DIA)	3	EA					\$ -
135				GALLEY SYSTEM							
136				GALLEY SYSTEM @ P3-1 (66'X58'), 12 ROWS OF 16 GALLEY CHAMBERS (PRECAST CONCRETE GALLEY SIZE 4'X4'X4')	3828	SF					\$ -
137				CLEANOUT ACCESS ON GALLEY ROWS W 24" CAST IRON FRAME & COVER	24	EA					\$ -
138				EMERGENCY OVERFLOW WEIR 10'X10'	1	EA					\$ -
139				GRAVEL FILL	151	TN					\$ -
140				CLEANOUTS	6	EA					\$ -
141				EMERGENCY OUTFLOW WEIR 3.0'X5.0'W	1	EA					\$ -
142				FOUNDATION DRAIN							
143				4" DIA, PVC PERFORATED PIPE	4312	LF					\$ -
144				3/4" CRUSHED STONE	431	TN					\$ -
145				FILTER FABRIC	17248	SF					\$ -
146				EXCAVATION	704	CY					\$ -
147				BEDDING	415	TN					\$ -
148				TRENCH SPOIL EXPORT	51	CY					\$ -
149				BACK FILLING	346	CY					\$ -
150				ELECTRICAL UTILITIES							
151				SOLAR POWER STREET LIGHT	4	EA					\$ -
152				SOLAR POWER STREET LAMP	1	EA					\$ -
153				Subtotal							\$ -
154				ROADWAY SIGNALING & CONTROL EQUIPMENT							
155				NO PARKING FIRE LANE SIGN	2	EA					\$ -
156				NO PARKING SIGN	4	EA					\$ -
157				DEAD END SIGN	2	EA					\$ -
158				Subtotal							\$ -
159				Total.							\$ -
160				Add wastage of materials							\$ -
161				Add Contractor's overhead & profit @ 15%							\$ -
162				G.Total							\$ -

EXCAVATION & BEDDING											
Description	Length	Unit	Ø of pipe	Trench width	Exc.Depth	Excavation	Bedding Depth	Bedding Qty.	Pipe Volume	Net bedding	Backfill
WATER UTILITIES											
4" CLDI CLASS 52 WATERLINE	402	LF	0.42	2.42	5.00	4864.20	1.75	1705.39	55.67	1649.72	3158.81
6" CLDI CLASS 52 WATER LINE	60	LF	0.58	2.58	5.00	769.22	1.92	294.76	15.89	278.87	474.45
8" CLDI CLASS 52 WATER LINE	1038	LF	0.75	2.75	5.00	14276.35	2.08	5947.53	458.47	5489.06	8328.82
1" PLASTIC/HDPE SERVICE TAPPED FROM 4"/8" MAINS	1165	LF	0.13	2.13	5.00	12378.13	1.46	3609.46	14.29	3595.17	8768.66
Total (CY)						737.40		294.36	19.63	274.73	443.04
SAN SEWRAGE											
8" SDR-35 SS	1153	LF	0.75	2.75	5.00	15849.08	2.08	6602.72	508.97	6093.75	9246.35
6" SDR 35 SS	748	LF	0.58	2.58	5.00	9655.90	1.92	3700.14	199.48	3500.66	5955.76
4" SDR 35 SS	9	LF	0.42	2.42	5.00	114.71	1.75	40.22	1.31	38.90	74.49
2" SCH 40 SS	108	LF	0.25	2.25	5.00	1210.50	1.58	383.24	5.28	377.97	827.26
Total (CY)						993.71		397.27	26.48	370.79	596.44
DRAINAGE											
8" CLDI SD	19	LF	0.75	2.75	5.00	261.25	2.08	108.84	8.39	100.45	152.41
12" CLDI SD	120	LF	1.08	3.08	5.00	1849.80	2.42	893.82	110.49	783.34	955.98
18" HDPE SD	82	LF	1.58	3.58	5.00	1463.83	2.92	853.71	160.73	692.97	610.13
12" HDPE SD	540	LF	1.08	3.08	5.00	8319.48	2.42	4019.97	496.91	3523.06	4299.50
15" HDPE SD	427	LF	1.33	3.33	5.00	7119.62	2.67	3796.18	595.91	3200.27	3323.44
Total (CY)						704.22		358.24	50.83	307.41	345.98

FINISH GRADE ELEVATIONS										
DRG REF	CS3501	CS3501	CS3501	CS3501	CS3501	CS3501				
LOCATION	0+00- 1+50	1+50- 3+00	3+00- 5+00	5+00- 7+00	ROADW AY PVMNT	DRWY				
SPOT ELEVATIONS	54.97	55.79	60.27	66.44	70.65	68.00				
	54.72	57.11	61.85	67.91	70.13	69.00				
	54.99	58.69	63.43	69.37	70.00	67.00				
	55.79	60.27	64.96	70.84	71.30	65.00				
	57.11	61.85	66.44	71.74	71.79					
		63.43			70.65					
		64.96			70.13					
AVERAGE	55.52	60.30	63.39	69.26	70.66	67.25	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!