TOWN OF HOPKINTON

PROPOSED MAIN STREET SOLAR

HOPKINTON, RHODE ISLAND

CONCEPTUAL ENGINEER'S COST ESTIMATE FOR REFORESTATION PLAN

Item No.	Description	UM	Quantity	Unit Price	Total	
1	CONTROL OF NON NATIVE INVASIVE PLANTS	PDAY	1	$ 5,000.00	$ 5,000.00	1
2	JUTE NETTING ON STEEP SLOPES FOR PROTECTION OF GROUND COVER	SY	11,050	$ 5.00	$ 55,250.00	2
3	REPELLEX (FOR DEER AND ANIMAL PROTECTION)	EA	19,350	$ 0.90	$ 17,415.00	1
4	BARE ROOT PINE AND HARDWOOD SEEDLINGS, 18" HEIGHT (200 PER ACRE)	EA	12,900	$ 3.25	$ 41,925.00	1
5	BARE ROOT SHRUBS, 18" HEIGHT (100 PER ACRE)	EA	6,450	$ 3.25	$ 20,962.50	1
6	INSTALLATION OF 5' HIGH TREE TUBES, STAKES AND TIES	EA	12,900	$ 8.00	$ 103,200.00	1
7	REMOVAL OF INSTALLATION OF TREE TUBES, STAKES AND TIES AFTER ESTABLISHMENT	EA	12,900	$ 6.00	$ 77,400.00	1
8	HIRING OF PROFESSIONAL FORESTER	PDAY	14	$ 1,150.00	$ 16,100.00	1
9	POST PLANTING MONITORING (ANNUAL INSPECTIONS, MINIMUM 5 YEARS)	PYR	5	$ 7,500.00	$ 37,500.00	3
10	1 YEAR GUARANTEE PERIOD *	LS	1	$ 75,000.00	$ 75,000.00	1
11	MOBILIZATION (4% OFTOTAL COST OF ITEMS 1 TO 8)	LS	1	$ 13,490.10	$ 13,490.10	
*	GUARANTEE PERIOD INCLUDES REPLACING ALL DEAD PLANTINGS, NEW TREE TUBES AND BRINGING					
	SITE BACK TO ORIGINAL CONDITIONS.					
				TOTAL =	$ 463,243	

ASSUMPTIONS:

1 UNIT PRICES BASED ON CURRENT RATES. ASSUMED PLAN WILL BE IMPLEMENTED 30 YEARS AFTER SOLAR INSTALLATION. PROJECTED YEAR 2050.
2 ASSUMED ALL AREAS WERE LOAM AND SEEDED DURING SOLAR INSTALLATION PROJECT AND ALL LOAM MATERIAL WILL REMAIN ON SITE AFTER REMOVAL OF SOLAR ARRYS.
3 ESTIMATE BASED ON MAIN STREET SOLAR PLANS DATED 07-24-2019 AND RECEIVED FROM DIPRETE ENGINEERING. TOTAL REFORESTATION AREA IS APPROXIMATELY 65 ACRES.
4 ASSUMED ALL COMMON BORROW MATERIAL FOR FILLING OF SOLAR MOUNTING POST HOLES WAS INCLUDED IN DECOMMISIONING COSTS.
5 ASSUMED ALL REPLACEMENT OF DEAD SEEDLINGS AND SHRUBS IS INLUDED IN GUARANTEE COST PROVIDED.

NOTES:

1 COSTS RECEIVED FROM WILLIAMS FORESTRY & ASSOCIATES ON NOVEMBER 22, 2019.
2 UNIT PRICE FROM RIDOT WEBSITE ON 11-22-19.
3 ESTIMATED COST RECEIVED FROM CAPUTO AND WICK BIOLOGIST ON NOVEMBER 26, 2019. COST INCLUDES FIELD WORK, PHOTOGRAPHS, REPORT AND MAPPING OF SITE.