

# ALBANY HILL FOREST STORAGE MANAGEMENT PLAN

Restoration Design Group, Inc.

Date: February 21, 2025  
 Construction Year: 2025  
 Design Stage: 100%

Item No.	Spec Section	Item Description	Estimated Quantity	Units	Unit Cost	Total Cost
<b>PROJECT 1</b>						
<b>PHASE 1 RESTORATION - PILOT PHASE</b>						
		MOBILIZATION	1	LS	\$ 7,000.00	\$ 7,000.00
		CONTRACT GROW (PM, storage, collection, container, delivery)	1	LS	\$ 11,200.00	\$ 11,200.00
		PRE-REMOVAL SITE FLAGGING (A, B, C1, C2, D)				
		Design Assist (Engineer/Ecologist/QAL)	3	day	\$ 1,500.00	\$ 4,500.00
		Laborer (3 laborers)	3	day	\$ 2,430.00	\$ 7,290.00
		PRE-REMOVAL COLLECTING/ TRANSPLANT/MAPPING (A,B,C1, C2, D)				
		Design Assist (Engineer/Ecologist/QAL)	4	day	\$ 1,500.00	\$ 6,000.00
		Laborer (3 laborers)	5	day	\$ 2,500.00	\$ 12,500.00
		ESTABLISH PLANT STORAGE AREA	1	LS	\$ 3,500.00	\$ 3,500.00
		Maintain salvaged plants until reinstallation	1	LS	\$ 5,000.00	\$ 5,000.00
		FIELD TRIAL TREE INSTALLATION	24	EA	\$ 600.00	\$ 14,400.00
		IRRIGATION SYSTEM	1	LS	\$ 55,000.00	\$ 55,000.00
		IRRIGATION AND MAINTENANCE (LABOR-1 year)	1	LS	\$ 18,300.00	\$ 18,300.00
		PRUNING/LIMBING TREES TO REMAIN (MONARCH MANAGEMENT AREA)	21	EA	\$ 2,100.00	\$ 44,100.00
		<b>SUBTOTAL PHASE 1 RESTORATION - PILOT PHASE</b>				<b>\$188,790.00</b>
<b>PHASE 2 REMOVALS - EXTERIOR</b>						
		MOBILIZATION (REMOVAL)	1	LS	\$ 35,000.00	\$ 35,000.00
		STORMWATER CONTROL PLAN	1	LS	\$ 10,000.00	\$ 10,000.00
		TREE REMOVALS				
		Area A	41	EA	\$ 2,500.00	\$ 102,500.00
		Area B	31	EA	\$ 6,880.00	\$ 213,280.00
		Area C1	6	EA	\$ 2,000.00	\$ 12,000.00
		Area C2	26	EA	\$ 2,500.00	\$ 65,000.00
		Area D	12	EA	\$ 2,750.00	\$ 33,000.00
		SALVAGED AND PLACED LOGS	161	EA	\$ 495.00	\$ 79,695.00
		OFF-SITE DISPOSAL	147	CY	\$ 63.00	\$ 9,300.00
		EROSION CONTROL (Area A, B, C2, D)	9895	LF	\$ 8.00	\$ 79,200.00
		duff/soil removal at Jackson St.	2	day	\$ 810.00	\$ 1,700.00
		<b>SUBTOTAL PHASE 2 REMOVALS - EXTERIOR</b>				<b>\$640,675.00</b>
<b>PHASE 3 RESTORATION - EXTERIOR</b>						
		MOBILIZATION (RESTORATION)	1	LS	\$ 60,000.00	\$ 60,000.00
		CONTRACT GROW (PM, storage, collection, container, delivery)	1	LS	\$ 11,200.00	\$ 11,200.00
		PRE-REMOVAL SITE FLAGGING (E, F, G)				
		Design Assist (Engineer/Ecologist/QAL)	2	day	\$ 1,500.00	\$ 3,000.00
		Laborer (3 laborers)	2	day	\$ 2,430.00	\$ 4,860.00
		PRE-REMOVAL COLLECTING/ TRANSPLANT/MAPPING (E, F, G)				
		Design Assist (Engineer/Ecologist/QAL)	2	day	\$ 1,500.00	\$ 3,000.00
		Laborer (3 laborers)	2	day	\$ 2,430.00	\$ 4,860.00
		MULCH DISTRIBUTION (LABOR)	36	day	\$ 810.00	\$ 29,160.00
		FASCINES	53	EA	\$ 810.00	\$ 42,930.00
		TREE PLANTING	24	EA	\$ 600.00	\$ 14,400.00
		PERENNIAL PLANTING	1	LS	\$ 108,300.00	\$ 108,300.00
		IRRIGATION AND MAINTENANCE (LABOR-1 year)	1	LS	\$ 63,900.00	\$ 63,900.00
		<b>SUBTOTAL PHASE 3 RESTORATION - EXTERIOR</b>				<b>\$345,610.00</b>
		<b>Subtotal</b>				<b>\$1,175,075.00</b>
		<b>10% Contingency</b>				<b>\$117,508.00</b>
		<b>Project 1 Total Estimated Construction Cost</b>				<b>\$1,292,583.00</b>
		Low Range of Expected Construction Costs at 100% Design Stage (-10%)				<b>\$1,163,325.00</b>
		High Range of Expected Construction Costs at 100% Design Stage (15%)				<b>\$1,486,471.00</b>
<b>PROJECT 2</b>						
<b>PHASE 4 REMOVALS - INTERIOR</b>						
		MOBILIZATION (REMOVAL)	1	LS	\$ 30,000.00	\$ 30,000.00
		TREE REMOVALS				
		Area E	81	EA	\$ 2,750.00	\$ 222,750.00
		Area G	33	EA	\$ 2,750.00	\$ 90,750.00
		Area F	45	EA	\$ 2,500.00	\$ 112,500.00
		SALVAGED AND PLACED LOGS	35	EA	\$ 495.00	\$ 17,325.00
		EROSION CONTROL / FIBER ROLLS (E, F, G)	5476	LF	\$ 8.00	\$ 43,760.00
		OFF SITE DISPOSAL	88	CY	\$ 63.00	\$ 5,600.00
		<b>SUBTOTAL PHASE 4 REMOVALS - INTERIOR</b>				<b>\$522,685.00</b>
<b>PHASE 5 RESTORATION - INTERIOR</b>						
		MOBILIZATION (RESTORATION)	1	LS	\$ 55,000.00	\$ 55,000.00
		CONTRACT GROW (PM, storage, collection, container, delivery)	1	LS	\$ 11,200.00	\$ 11,200.00
		PRE-REMOVAL SITE FLAGGING				
		Design Assist (Engineer/Ecologist/QAL)	1	day	\$ 1,500.00	\$ 1,500.00
		Laborer (3 laborers)	1	day	\$ 2,430.00	\$ 2,430.00
		PRE-REMOVAL COLLECTING/ TRANSPLANT/MAPPING				
		Design Assist (Engineer/Ecologist/QAL)	2	day	\$ 1,500.00	\$ 3,000.00
		Laborer (3 laborers)	2	day	\$ 2,430.00	\$ 4,860.00
		MULCH DISTRIBUTION (LABOR)	32	day	\$ 810.00	\$ 25,920.00
		FASCINES	20	EA	\$ 810.00	\$ 16,200.00
		TREE PLANTING	25	EA	\$ 600.00	\$ 15,000.00
		PERENNIAL PLANTING	1	LS	\$ 84,200.00	\$ 84,200.00
		IRRIGATION AND MAINTENANCE (LABOR-1 year)	1	LS	\$ 105,000.00	\$ 105,000.00
		<b>SUBTOTAL PHASE 5 RESTORATION - INTERIOR</b>				<b>\$324,310.00</b>
		<b>Subtotal</b>				<b>\$846,995.00</b>
		<b>10% Contingency</b>				<b>\$84,700.00</b>
		<b>Project 2 Total Estimated Construction Cost</b>				<b>\$931,695.00</b>
		Low Range of Expected Construction Costs at 100% Design Stage (-10%)				<b>\$838,526.00</b>
		High Range of Expected Construction Costs at 100% Design Stage (15%)				<b>\$1,071,449.00</b>
<b>PROJECT 3</b>						
<b>PHASE 6 REMOVALS - MONARCH MANAGEMENT AREA</b>						
		MOBILIZATION	1	LS	\$ 56,000.00	\$ 56,000.00
		TREE REMOVALS (assumes all trees removed for costing purposes)				
		Monarch Buffer Zone	45	EA	\$ 2,750.00	\$ 123,750.00
		EROSION CONTROL / FIBER ROLLS (Area J1, J2)	1505	LF	\$ 7.80	\$ 11,739.00
		OFF SITE DISPOSAL	52	CY	\$ 63.00	\$ 3,300.00
		<b>SUBTOTAL PHASE 6 REMOVALS - MONARCH MANAGEMENT AREA</b>				<b>\$194,789.00</b>
<b>PHASE 7 RESTORATION - MONARCH MANAGEMENT AREA</b>						
		MOBILIZATION (RESTORATION)	1	LS	\$ 55,000.00	\$ 55,000.00
		UNDERSTORY AND DEADWOOD THINNING	11743	SF	\$ 2.00	\$ 23,485.00
		CONTRACT GROW (PM, storage, collection, container, delivery)	1	LS	\$ 11,200.00	\$ 11,200.00
		REPLACEMENT TREE PLANTING	42	EA	\$ 600.00	\$ 25,200.00
		PERENNIAL PLANTING	1	EA	\$ 124,400.00	\$ 124,400.00
		MULCH DISTRIBUTION (LABOR)	16	day	\$ 810.00	\$ 12,960.00
		IRRIGATION AND MAINTENANCE (LABOR-1 year)	1	LS	\$ 167,000.00	\$ 167,000.00
		<b>SUBTOTAL PHASE 7 RESTORATION - MONARCH MANAGEMENT AREA</b>				<b>\$419,245.00</b>
		<b>Subtotal</b>				<b>\$614,034.00</b>
		<b>10% Contingency</b>				<b>\$61,404.00</b>
		<b>Project 3 Total Estimated Construction Cost</b>				<b>\$675,438.00</b>
		Low Range of Expected Construction Costs at 100% Design Stage (-10%)				<b>\$607,894.00</b>
		High Range of Expected Construction Costs at 100% Design Stage (15%)				<b>\$776,754.00</b>
		<b>Project Total Estimated Construction Cost</b>				<b>\$2,899,716.00</b>
		Low Range of Expected Construction Costs at 100% Design Stage (-10%)				<b>\$2,609,744.00</b>
		High Range of Expected Construction Costs at 100% Design Stage (15%)				<b>\$3,334,673.00</b>