

60% Progress Cost Estimate

	Quantity	Unit	Unit Price	Total	Notes
SITE PREPARATION/ DEMOLITION					
Temporary Construction Fence	670	LF	\$ 10	\$ 6,700	
Erosion Controls	1,060	LF	\$ 8	\$ 8,480	
Shoreline Protection (Turbidity Curtain)	480	LF	\$ 35	\$ 16,800	
Construction Entrance	1	LS	\$ 5,000	\$ 5,000	
Tree Pruning	20	EA	\$ 500	\$ 10,000	
Tree Protection	31	EA	\$ 200	\$ 6,200	
R&S Flat and Rounded Granite Boulders	27	EA	\$ 250	\$ 6,750	For reinstatement
R&D Handrails	310	LF	\$ 12	\$ 3,720	
Arborvitae Removal	11	EA	\$ 200	\$ 2,200	
Tree Removal	1	EA	\$ 1,500	\$ 1,500	10" cal. multistem
R&D Walls	265	LF	\$ 15	\$ 3,975	
R&D Concrete Paving	2,134	SF	\$ 10	\$ 21,340	
Strip & Stockpile Topsoil (6" depth)	1,076	SY	\$ 12	\$ 12,907	
R&D Utility Pole	2	EA	\$ 1,500	\$ 3,000	
Removal of Invasive Plant Species along shoreline (+/-600 sf)	24	HOUR	\$ 290	\$ 6,960	Assumes 25% of the square footage of shoreline zone has invasives present; 2 laborers, a foreman and a PWS for 1 day
Misc. Salvage and Demolition	1	LS	\$ 5,000	\$ 5,000	
			Subtotal	\$ 120,532	
EARTHWORK / DRAINAGE AND UTILITIES					
Boulder Excavation	106	CY	\$ 350	\$ 36,944	Assumes no removal of ledge
Cut/Fill Excavation	1,646	CY	\$ 35	\$ 57,601	
Rough/Fine Grading	1,646	SY	\$ 5	\$ 8,229	
6" Perforated Pipe	30	LF	\$ 20	\$ 600	
6" HDPE Solide Pipe	76	LF	\$ 20	\$ 1,520	
12" HDPE Solid Pipe	20	LF	\$ 30	\$ 600	
Overflow Drain with Beehive Dome	5	EA	\$ 1,500	\$ 7,500	
Communication Line Undergrounding by Comcast	1	LS	\$ 30,000	\$ 30,000	
			Subtotal	\$ 142,994	
PAVING / CURBING					
Vertical Granite Curb	75	LF	\$ 35	\$ 2,625	
Flush Granite Curb	515	LF	\$ 35	\$ 18,025	At stonedust paving
Steel Edger	515	LF	\$ 7	\$ 3,821	
Cast-In-Place Concrete Paving (4" depth)	88	SY	\$ 65	\$ 5,722	
Gravel Base (8" depth)	60	CY	\$ 35	\$ 2,085	
Detectable Warning Mat at Curb Cut	2	EA	\$ 300	\$ 600	ADA Solutions
Accessible Stone Dust Surfacing (stabilized)	24	TONS	\$ 225	\$ 5,400	Quote from Read Custom Soils
Stone Dust Delivery	1	LS	\$ 536	\$ 536	
Gravel Base (8" depth under stone dust.)	35	CY	\$ 35	\$ 1,226	
			Subtotal	\$ 36,220	
DECKING - CANTILEVERED AND ON-GRADE					
Guardrail at Cantilevered Decking	223	LF	\$ 225	\$ 50,175	Steel post and rail with mesh insert
Steel Structure	705	SF	\$ 250	\$ 176,250	Estimated between \$150k - \$200k
Concrete Pile Cap (2' depth)	147	CY	\$ 1,000	\$ 146,667	
Gravel Fill (4" depth)	24	CY	\$ 65	\$ 1,587	
Micropiles	40	EA	\$ 2,500	\$ 100,000	
Cantilevered Decking (Composite)	405	SF	\$ 88	\$ 35,640	Trex or equal
On-Grade Deck at Shoreline (Composite)	240	SF	\$ 88	\$ 21,120	Trex or equal; Note that helical piers will NOT be required
Granite Curb surrounding On-Grade Deck	45	LF	\$ 35	\$ 1,575	
Crushed Stone under On-Grade Deck (4" depth)	9	CY	\$ 35	\$ 311	
			Subtotal	\$ 533,325	
RETAINING WALLS AND STAIRS					
Cheek Wall	32	CY	\$ 700	\$ 22,463	On top of ex. retaining wall
Cast-In-Place Concrete Stairs	6	CY	\$ 700	\$ 3,928	
Granite Block Stair Treads	15	EA	\$ 675	\$ 10,125	Quote from Swenson Granite
Concrete for Granite Block Stairs	4	CY	\$ 700	\$ 3,098	
Handrail at Stairs and Ramps	241	LF	\$ 175	\$ 42,175	
CIP Concrete Foundation for Stone Veneer Walls	7	CY	\$ 700	\$ 4,896	
Granite Cap for Retaining Walls	333	LF	\$ 89	\$ 29,471	Quote from Swenson Granite
Stone Veneer for Ex. Retaining Wall	880	SF	\$ 17	\$ 14,758	Phone quote from Stoneyard
Stone Veneer for CMU Block Wall	412	SF	\$ 17	\$ 6,909	Phone quote from Stoneyard
CMU Block Wall	1,015	EA	\$ 2	\$ 2,223	Phone quote from Linden and Malden Cement Block Co.
Unit Block Retaining Wall	412	FF	\$ 55	\$ 22,660	Redirock precedent
			Subtotal	\$ 124,599	
SITE AMENITIES AND IMPROVEMENTS					
Wood Guardrail	515	LF	\$ 30	\$ 15,450	
Backed Bench with 2 Armrests	3	EA	\$ 1,833	\$ 5,499	Dumor Bench 160
Back Bench mounted on Seat Walls	3	EA	\$ 3,000	\$ 9,000	Bench TBD
Relocated Memorial Plaque	1	EA	\$ 1,000	\$ 1,000	
Reinstalled Granite Blocks and Boulders	27	EA	\$ 500	\$ 13,500	
Stabilizing Riverstone at Lake Edge (6" depth)	15	TON	\$ 250	\$ 3,733	
Granite Blocks for Sign Wall (6' length)	4	EA	\$ 450	\$ 1,800	Quote from Swenson Granite
Sign Wall Etching	2	EA	\$ 3,000	\$ 6,000	Quote from Newton Memorial Art
Bike Racks	3	EA	\$ 267	\$ 801	Bike Rack 290
Dog Waste Receptacle	1	EA	\$ 2,382	\$ 2,382	Model #TBD
Trash Receptacles	2	EA	\$ 2,382	\$ 4,764	VS Model SD-42 with Domed Lid and Black Plastic Liner and Plaque Decal
			Subtotal	\$ 63,929	
PLANTING					
Loam and Seed (6" loam borrow)	995	SY	\$ 6	\$ 5,969	
Erosion Control Matting	15,951	SF	\$ 0.20	\$ 3,190	
Tree Planting	7	EA	\$ 1,200	\$ 8,400	
Bank Restoration Planting Area					
Shrub Planting	40	EA	\$ 65	\$ 2,600	
Groundcover/Herbaceous Perennial Plugs	526	EA	\$ 4	\$ 2,104	4" plug
Bank Stabiliation Area TBD	269	EA	\$ 35	\$ 9,293	Assumes 18" o.c. avg; assumes 25% coverage of area shown on the plans; mix of shrubs and groundcovers
Slope Planting Area					
Shrub Planting	80	EA	\$ 65	\$ 5,200	
Slope Stabilization Seeding	361	SY	\$ 8	\$ 2,889	
Groundcover/Herbaceous Perennial Planting	380	EA	\$ 35	\$ 13,300	
Rain Garden / Infiltration Planting Area					
Shrub Planting	28	EA	\$ 65	\$ 1,820	
Groundcover/Herbaceous Perennial Planting	633	EA	\$ 35	\$ 22,155	
Bioretention Soils (12" Depth)	107	SY	\$ 60	\$ 6,393	
Aquatic Edge Planting	60	EA	\$ 4	\$ 239	Assumes 18" o.c. avg; assumes 25% coverage of area shown on the plans; 4" plug
Pine Bark Mulch (3" depth)	37	CY	\$ 75	\$ 2,806	In slope planting and rain garden areas
			Subtotal	\$ 86,358	
SUBTOTAL				\$ 1,107,957	
Construction year 2022 escalation 3%				\$ 33,239	
Mobilization, Overhead & Profit (12%)				\$ 132,955	
Contingency (15%)				\$ 166,194	
TOTAL BASE BID				\$ 1,440,344	
CPC Estimate 4/21/2021				\$ 1,125,900	