

BLACK HILLS REGIONAL PARK SEED CLASSROOM FACILITY PLAN

ORDER OF MAGNITUDE ESTIMATE OF PROBABLE SITE COSTS

3.7 ACRES TOTAL

Last revised: 6/21/2019

ITEM	BASE QUANTITY PHASE 1	ADD ALTERNATE QTY	UNIT	UNIT COST Materials & Installation	BASE TOTAL COST PHASE 1	ADD ALTERNATES
SITE PREPARATION & DEMOLITION (including Mobilization)				SUBTOTAL	\$ 65,050.00	\$ -
Mobilization-Project Identification Sign, Site Closed Signs, Construction Waste Disposal and General Conditions (8% Construction Cost Before Mobilization)	1		ALLOW	\$24,686.80	\$ 25,000.00	\$ -
6' Tall Temporary Construction Fencing at Perimeter (Use ex. fence and TPF)	0		LS	\$3,000.00	\$ -	\$ -
Tree Protection Fencing (Woven Wire Fabric)	1000		LF	\$7.00	\$ 7,000.00	\$ -
Clearing & Grubbing - (Including Tree Removal)	1		LS	\$5,000.00	\$ 5,000.00	\$ -
Construction Stakeout	1		LS	\$7,500.00	\$ 7,500.00	\$ -
Maintenance of Traffic (Signage, Markings, Barriers, Flagmen, etc.)	1		LS	\$1,500.00	\$ 1,500.00	\$ -
Remove Steps / Timbers / Bins (by Facilities Management)	0		ALLOW	\$5,000.00	\$ -	\$ -
Sawcut Existing Pavement	1200		LF	\$2.00	\$ 2,400.00	\$ -
Remove Existing Pavement	2800		SY	\$5.00	\$ 14,000.00	\$ -
Remove Existing Chainlink Fence	150		LF	\$5.00	\$ 750.00	\$ -
SSAT Root Pruning	100		LF	\$19.00	\$ 1,900.00	\$ -
SEDIMENT & EROSION CONTROL				SUBTOTAL	\$ 13,200.00	\$ -
Stabilized Construction Entrance	1		EA	\$3,000.00	\$ 3,000.00	\$ -
Super Silt Fence	1		LS	\$1,800.00	\$ 1,800.00	\$ -
Filter Log	1		LS	\$2,400.00	\$ 2,400.00	\$ -
Temporary Stabilization - Seeding, Mulching	1		LS	\$3,500.00	\$ 3,500.00	\$ -
Dust Protection	1		LS	\$2,500.00	\$ 2,500.00	\$ -
EARTHWORK				SUBTOTAL	\$ 66,880.00	\$ -
Strip, Stockpile, Screen and Spread Topsoil, Incl. Testing and Amendments (6")	765		CY	\$50.00	\$ 38,250.00	\$ -
Scarify/Subgrade to 12" depth, incorporate 2" compost in top 4" insitu material.	1,260		SY	\$15.00	\$ 18,900.00	\$ -
Earthwork - Cut	112		CY	\$40.00	\$ 4,480.00	\$ -
Rough Grading	1500		SY	\$1.50	\$ 2,250.00	\$ -
Fine Grading	1500		SY	\$2.00	\$ 3,000.00	\$ -
STORMWATER MANAGEMENT / STORM DRAINAGE				SUBTOTAL	\$ 43,590.00	\$ -
Microbiofilter - (Mulch, Media, Sand, Gravel, Underdrain)	615		SF	\$40.00	\$ 24,600.00	\$ -
Turf Reinforcement Matting at Overflow Weir	10		SY	\$30.00	\$ 300.00	\$ -
Endwalls	2		EA	\$7,500.00	\$ 15,000.00	\$ -
Rip-Rap	3		SY	\$110.00	\$ 330.00	\$ -
12" HDPE	48		LF	\$70.00	\$ 3,360.00	\$ -
VEHICULAR PAVEMENT				SUBTOTAL	\$ 69,600.00	\$ -
6" Concrete Paving @ ADA Spaces	35		SY	\$180.00	\$ 6,300.00	\$ -
Asphalt Paving - (2" Surface, 4" Binder, 6" Stone)	150		SY	\$50.00	\$ 7,500.00	\$ -
Parking Striping	1		LS	\$1,500.00	\$ 1,500.00	\$ -
Wheel Stops	7		EA	\$400.00	\$ 2,800.00	\$ -
2" Mill and Overlay/Pavement Repair	1450		SY	\$30.00	\$ 43,500.00	\$ -
Speed Hump - (Including Striping)	1		LS	\$5,000.00	\$ 5,000.00	\$ -
Regulatory Signage	1		LS	\$3,000.00	\$ 3,000.00	\$ -
UTILITIES				SUBTOTAL	\$ 12,320.00	\$ -
Electrical Service Conduit - No Conductors (SEED Classroom, Greenhouse, Shelter)	1		LS	\$5,000.00	\$ 5,000.00	\$ -
3/4" Water Service Extension	122		LF	\$60.00	\$ 7,320.00	\$ -
FURNISHINGS, SITE AMENITIES				SUBTOTAL	\$ 33,980.00	\$ -
Recycling Bins (2-wheeled 96-gal tote)	1		EA	\$ 200.00	\$ 200.00	\$ -
Trash Bins (2-wheeled 96-gal tote)	1		EA	\$ 200.00	\$ 200.00	\$ -
Bollard	6		EA	\$ 900.00	\$ 5,400.00	\$ -
Entry Signage	1		ALLOW	\$ 1,000.00	\$ 1,000.00	\$ -
Directional Signage	1		EA	\$ 250.00	\$ 250.00	\$ -
ADA Picnic Table	3		EA	\$ 2,000.00	\$ 6,000.00	\$ -
Table Umbrella	3		EA	\$ 400.00	\$ 1,200.00	\$ -
Interpretive Signages	3		EA	\$ 2,000.00	\$ 6,000.00	\$ -
8' Chain Link Fence	220		LF	\$ 44.50	\$ 9,790.00	\$ -
8' CLF Single Gate Transom	2		EA	\$ 595.00	\$ 1,190.00	\$ -
8' CLF Double Gate Transom	1		EA	\$ 1,850.00	\$ 1,850.00	\$ -
Knox Box	1		EA	\$ 900.00	\$ 900.00	\$ -
LANDSCAPING, MICRO-BIORETENTION PLANTS + MAINTENANCE				SUBTOTAL	\$ 19,465.00	\$ -
Stormwater Plantings	1		LS	\$ 7,000.00	\$ 7,000.00	\$ -
Meadow Planting: Seed	1,260		SY	\$ 3.00	\$ 3,780.00	\$ -
Meadow Planting: Plugs	570		SY	\$ 8.00	\$ 4,560.00	\$ -
Turf - Seeded (all project turf), installed with 3 month establish	1,650		SY	\$ 2.50	\$ 4,125.00	\$ -
MISCELLANEOUS				SUBTOTAL	\$ 9,500.00	\$ -
As-Built Drawings - (for SWM, Underground Utilities)	1		LS	\$ 4,500.00	\$ 4,500.00	\$ -
Electronic Submission of Submittals	1		LS	\$ 5,000.00	\$ 5,000.00	\$ -
ADD ALTERNATES				SUBTOTAL	\$ -	\$ 272,510.00
Remove and Replace Existing Chain Link Fence	465		LF	\$ 44.50	\$ -	\$ 20,700.00
Picnic Shelter	1		ALLOW	\$ 100,000.00	\$ -	\$ 100,000.00
Bicycle Rack	3		EA	\$ 500.00	\$ -	\$ 1,500.00
Benches	5		EA	\$ 1,200.00	\$ -	\$ 6,000.00
Wooden Fence at Parking (in lieu of Chain Link)	80		EA	\$ 250.00	\$ -	\$ 20,000.00
Relocate Existing Shed	1		ALLOW	\$ 5,000.00	\$ -	\$ 5,000.00
Demo Greenhouse and Replace w/ new 14x24' Greenhouse	1		ALLOW	\$ 30,000.00	\$ -	\$ 30,000.00
Stamped Asphalt	1		ALLOW	\$ 15,000.00	\$ -	\$ 15,000.00
Asphalt Pavement Coating	702		SF	\$ 5.00	\$ -	\$ 3,510.00
Pennsylvania Boulders (14 cu ft/ton)	1		ALLOW	\$ 3,000.00	\$ -	\$ 3,000.00
Natural Play Elements	1		ALLOW	\$ 2,000.00	\$ -	\$ 2,000.00
Raised Planters (custom built 2x8 redwood w/liner)	7		EA	\$ 1,000.00	\$ -	\$ 7,000.00
Picnic Table	4		EA	\$ 2,200.00	\$ -	\$ 8,800.00
LEED Net-Zero/Living Building Challenge Certification	1		ALLOW	\$ 50,000.00	\$ -	\$ 50,000.00
Tree Planting by volunteers				SUBTOTAL	\$ -	\$ 25,405.00
Reforestation: 3" Cal. Trees (material \$65 ea. Pope Farm + \$235 install)	35		EA	\$ 300.00	\$ -	\$ 10,500.00
Deer protection for trees and shrubs	70		EA	\$ 20.00	\$ -	\$ 1,400.00
24" Shrubs	35		EA	\$ 55.00	\$ -	\$ 1,925.00
Fruit Tree (8' Height)	13		EA	\$ 400.00	\$ -	\$ 5,200.00
Ornamental Flowering Tree (#10)	6		EA	\$ 230.00	\$ -	\$ 1,380.00
Two-Year Maintenance and Extended Warranty	1		LS	\$ 5,000.00	\$ -	\$ 5,000.00
CONSTRUCTION SUBTOTAL (WITHOUT MOBILIZATION)					\$ 308,585.00	\$ 297,915.00
CONSTRUCTION SUBTOTAL					\$ 333,585.00	\$ 297,915.00

ITEM	BASE QUANTITY PHASE 1	ADD ALT-ERNATE QTY	UNIT	UNIT COST Materials & Installation	BASE TOTAL COST PHASE 1	ADD ALTERNATES
SEED Classroom, Cistern & Deck					\$ 500,000.00	
CONSTRUCTION CONTINGENCY (15% of Construction Subtotal)					\$ 50,000.00	
CONSTRUCTION TOTAL					\$ 883,585.00	\$ 297,915.00
DESIGN CONTRACT WITH CONTINGENCY (15% of Construction Total)					\$ 130,000.00	
STAFF CHARGEBACKS (10% of Construction Total)					\$ 88,000.00	\$ 30,000.00
TOTAL PROJECT COST					\$ 1,101,585.00	\$ 327,915.00
TOTAL COST WITH ADD ALTERNATES					\$ 1,429,500.00	