

## Improvements for Coyote Ridge Park - Overall Site - Phases 1, 2 & 3

March 2022



0 50 100 200





- PHASE 1:  
 DECIDUOUS TREES  
 MUSCO CONTROLLER AND ELECTRICAL  
 METERED PEDESTAL IN FENCED  
 ENCLOSURE  
 10' CONCRETE WALK  
 IMPROVED WATER  
 QUALITY POND  
 EVERGREEN TREES  
 (4) BENCHES  
 LIGHT POLE, TYP.  
 (5) PICKLEBALL  
 COURTS W/ 10' HT.  
 CHAIN LINK FENCING

- PHASE 1:  
 ACCESS ROUTE AND PARKING LOT WITH (20)  
 SPACES AND (2) ADA ACCESSIBLE SPACES.  
 SURFACING TO BE ASPHALT MILLINGS.  
 PHASE 2:  
 ASPHALT PARKING LOT.  
 PLANTING BED, TYP.

- EXISTING EAST-WEST REGIONAL  
 TRAIL  
 PHASE 2:  
 • RESTROOM  
 • CONCRETE WALK  
 • (2) TENNIS COURTS WITH SHADE  
 SHELTER AND SEATING  
 • LANDSCAPING  
 • RETAINING WALL  
 12' DRAINAGE EASEMENT

- PHASE 1:  
 ELECTRICAL  
 TRANSFORMER  
 EXISTING ACCESS  
 DRIVE  
 NATIVE SEED

- PHASE 1:  
 (3) SETS OF 2 BENCHES  
 (3) TRASH RECEPTACLES  
 (2) 10'X20' SHELTERS, (3)  
 4-SEAT PICNIC TABLES AND  
 (1) ADA PICNIC TABLE  
 12' DRAINAGE EASEMENT

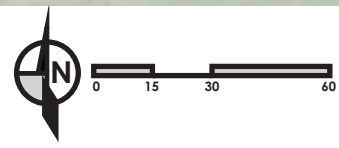
- PHASE 3:  
 • ENTRY IMPROVEMENTS  
 • LANDSCAPING  
 • NARROWED DRIVE ENTRY  
 • SIGNAGE

260' XCEL CORRIDOR

EXISTING  
 BASKETBALL COURTS

# Improvements for Coyote Ridge Park - Enlargement - Phases 1, 2 & 3

March 2022





## Coyote Ridge Park - Phase 1

Subject: Bid Set Estimate of Probable Costs

March 2, 2022

ITEM	QTY	UNIT	UNIT COST	TOTAL COST
<b>SITE DEMOLITION</b>				
Remove Skate Park	9,600	SF	\$2.50	\$24,000.00
Clear and Grub	17,150	SF	\$0.30	\$5,145.00
			<b>Subtotal</b>	<b>\$29,145.00</b>
<b>SITE CONSTRUCTION</b>				
Pickleball Courts	1	LS	\$137,000.00	\$137,000.00
Concrete Mow Band	275	LF	\$15.00	\$4,125.00
Concrete Walk	3,000	SF	\$8.00	\$24,000.00
Chain Link Fencing	30	LF	\$65.00	\$1,950.00
Chain Link Gates	2	EA	\$600.00	\$1,200.00
Crusher Fines Paving	90	SF	\$4.00	\$360.00
			<b>Subtotal</b>	<b>\$168,635.00</b>
<b>LANDSCAPE</b>				
Soil prep and native seed	17,150	SF	\$0.40	\$6,860.00
Irrigation, native seed and shrubs	18,620	SF	\$1.25	\$23,275.00
Irrigation-mainline extension and controller	1	LS	\$6,275.00	\$6,275.00
Irrigation-Bore under roads	75	LF	\$65.00	\$4,875.00
Trees deciduous	9	EA	\$500.00	\$4,500.00
Trees evergreen	9	EA	\$500.00	\$4,500.00
Gorilla hair mulch, planting beds	1,470	SF	\$1.00	\$1,470.00
			<b>SUBTOTAL</b>	<b>\$51,755.00</b>
<b>SITE AMENITIES AND FURNISHINGS</b>				
Shade Shelter - 10'x20'	2	EA	\$25,000.00	\$50,000.00
Trash receptacle	3	EA	\$2,145.00	\$6,435.00
Benches - with back	6	EA	\$2,900.00	\$17,400.00
Benches - no back	4	EA	\$3,200.00	\$12,800.00
San-o-let-Relocate & Repaint	1	EA	\$4,000.00	\$4,000.00
Tables	4	EA	\$2,900.00	\$11,600.00
			<b>SUBTOTAL</b>	<b>\$102,235.00</b>
<b>CIVIL*</b>				
*See attached estimate for breakdown			<b>SUBTOTAL</b>	<b>\$114,930.00</b>

ITEM	QTY	UNIT	UNIT COST	TOTAL COST
ELECTRICAL*				
*See attached estimate for breakdown			<b>SUBTOTAL</b>	<b>\$201,995.00</b>
Electrical cost includes \$20,000 already paid to Xcel for service				
<b>BASE BID CONSTRUCTION SUBTOTAL</b>				<b>\$668,695.00</b>
<b>Construction Surveying</b>	1.0%			<b>\$6,686.95</b>
<b>Bonding and Mobilization</b>	7.5%			<b>\$50,152.13</b>
<b>Construction Contingency</b>	15.0%			<b>\$100,304.25</b>
<b>BASE BID CONSTRUCTION TOTAL</b>				<b>\$825,838.33</b>



**JVA, Incorporated**  
 1319 Spruce Street  
 Boulder, CO 80302  
 Ph: 303.444.1951  
 Fax: 303.444.1957

Job Name: Coyote Ridge Park Improvements  
 Job Number: 3477c  
 Date: March 2, 2022  
 By: EJK  
 Phase: Construction Documents

**Opinion of Probable Civil Construction Costs**  
 for  
**Coyote Ridge Park Improvements**  
**Castle Pines North, CO**

	Quantity	Units	Unit Cost	Total
<b>General Sitework</b>				
Demo Existing Wheel Stops	1	LS	\$500.00	\$500.00
Pavement Subgrade Prep - 12" Scarify,Recompact	800	CY	\$3.00	\$2,400.00
Import and place topsoil	150	CY	\$50.00	\$7,500.00
Cut, Fill and Compact Onsite Material	600	CY	\$5.00	\$3,000.00
	<b>General Sitework Subtotal</b>			<b>\$13,400.00</b>
<b>Pavements</b>				
Replenish asphalt millings access drive (1" depth)	6,000	SF	\$0.50	\$3,000.00
Asphalt millings parking lot (6" depth) (Millings Option)	6,500	SF	\$2.00	\$13,000.00
Concrete - 6"	500	SF	\$10.00	\$5,000.00
Concrete - 3' Drainage Pan (6" thick, reinforced)	125	LF	\$50.00	\$6,250.00
Precast Parking Wheelstop	11	EA	\$150.00	\$1,650.00
Striping (4" wide)	1	LS	\$300.00	\$300.00
Signage (small including post)	2	EA	\$300.00	\$600.00
	<b>Pavements Subtotal</b>			<b>\$29,800.00</b>
<b>Utility - Storm Drainage System</b>				
Detention Pond Outlet - (Major & Minor Restrictions w/ WQ)	1	EA	\$10,000.00	\$10,000.00
Emergency Spillway Concrete Weir Wall	1	EA	\$10,000.00	\$10,000.00
Riprap Type M	70	CY	\$100.00	\$7,000.00
	<b>Utility - Storm Drainage System Subtotal</b>			<b>\$27,000.00</b>
<b>Erosion Control</b>				
Silt Fence/Sediment Control Logs	800	LF	\$3.00	\$2,400.00
Concrete Washout	1	EA	\$1,200.00	\$1,200.00
Slope Protection Mat	340	SY	\$15.00	\$5,100.00
Inlet Protection	3	EA	\$500.00	\$1,500.00
Vehicle Tracking Control	1	EA	\$2,000.00	\$2,000.00
Seeding and Mulching	0.25	AC	\$2,000.00	\$500.00
Erosion Control Maintenance (months)	4	EA	\$1,000.00	\$4,000.00
	<b>Erosion Control Subtotal</b>			<b>\$16,700.00</b>

<b>Subtotal</b>	<b>\$86,900.00</b>
Contingency (15%)	\$13,035.00
Contractor's OH&P (15%)	\$14,995.00
<b>BASE BID TOTAL</b>	<b>\$114,930.00</b>



	Quantity	Units	Unit Cost	Total
<b>Alternate - Asphalt Parking Surface</b>				
Asphalt millings parking lot (6" depth) (Millings Option Credit)	6,500	SF	-\$2.00	-\$13,000.00
Asphalt Paving - 6" (Parking Alternate)	6,500	SF	\$5.00	\$32,500.00
Striping (4" wide) (Alternate)	1	LS	\$300.00	\$300.00
	<b>Alternate Subtotal</b>			<b>\$19,800.00</b>

<b>Subtotal</b>	<b>\$19,800.00</b>
Contingency (15%)	\$2,970.00
Contractor's OH&P (15%)	\$3,420.00
<b>ALTERNATE TOTAL</b>	<b>\$26,190.00</b>

Engineer's opinions of probable Construction Cost provided for herein are to be made on the basis of Engineer's experience and qualifications and represent Engineer's best judgment as an experienced and qualified professional generally familiar with the industry. However, since the Engineer has no control over the cost of labor, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer. Actual required quantities will vary from this estimate. Owner/Contractor to verify all required quantities and other estimate items, permits, fees, etc. not included above that may be specified in the Construction documents. If Owner wishes to greater assurance as to probable Construction Cost, Owner shall employ an independent cost estimator.

Client: DCLA - Carol Henry

By: HFR

In providing opinions of probable cost, Client understands that Engineer does not have control over costs of equipment, material, and labor. The probable costs provided herein are to be made on the basis of Engineer's qualifications and experience. Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Description		Quantity	Unit	\$/Unit	Totals
1	<b>Electrical Service:</b>				
2	IREA Company Service Connection *	1	LS	\$20,000.00	\$20,000.00
3	Metered Pedestal	1	EA	\$9,500.00	\$9,500.00
4	Grounding/Bonding	1	EA	\$1,500.00	\$1,500.00
5	Service Entrance Feeder **	225	LF	\$36.00	\$8,100.00
6	Unistrut Mount	1	EA	\$1,300.00	\$1,300.00
7	Flush with Grade Box	2	EA	\$1,200.00	\$2,400.00
8	Power to Irrigation Controller	1	LS	\$1,500.00	\$1,500.00
9	<b>Electrical Service Sub-Total</b>				<b>\$44,300.00</b>
10					
11					
12	<b>Shelter Power and Lighting</b>				
13	Shelter Receptacle	2	EA	\$385.00	\$770.00
14	Shelter Light	4	EA	\$900.00	\$3,600.00
15	Shelter Feeder (ltg/power) #12s **	395	LF	\$17.00	\$6,715.00
16	Shelter Disconnects	4	EA	\$285.00	\$1,140.00
17	Grounding/Bonding	2	LS	\$1,000.00	\$2,000.00
18	<b>Shelter Power and Lighting Sub-Total</b>				<b>\$14,225.00</b>
19					
20					
21	<b>Musco Lighting</b>				
22	Court Lighting (4 poles) & Controls	1	LS	\$115,500.00	\$115,500.00
23	Court Lighting circuiting **	610	LF	\$19.00	\$11,590.00
24	Ltg Manual Controls	1	LS	\$4,500.00	\$4,500.00
25	Spare Conduits (1"C) **	270	LF	\$16.50	\$4,455.00
26	Spare Conduits (2"C) **	330	LF	\$22.50	\$7,425.00
27	<b>Musco Lighting Sub-Total</b>				<b>\$143,470.00</b>
28					
29					
30	<b>Project Total:</b>				<b>\$201,995.00</b>
31					
32					
33	* Assumed cost paid to Utility Company for establishing new electrical service				
34	** Approximate Length				



## Coyote Ridge Park - Phase 2 Tennis and Paving

Subject: Conceptual Estimate of Probable Costs

March 21, 2022

ITEM	QTY	UNIT	UNIT COST	TOTAL COST
<b>SITE DEMOLITION</b>				
Temporary Fencing	800	LF	\$4.50	\$3,600.00
Erosion Control	1	LS	\$16,000.00	\$16,000.00
Clear and Grub	43,460	SF	\$0.30	\$13,038.00
			<b>Subtotal</b>	<b>\$32,638.00</b>
<b>SITE CONSTRUCTION</b>				
Tennis Courts (2)	1	LS	\$190,000.00	\$190,000.00
Restroom - Romtec Pre-engineered	1	EA	\$100,000.00	\$100,000.00
Concrete Walk	2,120	SF	\$8.00	\$16,960.00
Curb and Gutter at Drive Lane	560	LF	\$18.00	\$10,080.00
Asphalt Paving - Parking Lot	7,280	SF	\$5.00	\$36,400.00
Parking Lot Striping	1	LS	\$400.00	\$400.00
Asphalt Paving - Drive	5,680	SF	\$5.00	\$28,400.00
Storm Drain Upgrades	1	LS	\$20,000.00	\$20,000.00
Retaining Wall at Tennis Courts	3,810	FF	\$60.00	\$228,600.00
Grading - Compacted Subgrade*	4,340	CY	\$28.00	\$121,520.00
Grading - On-Site*	1,000	CY	\$10.00	\$10,000.00
			<b>Subtotal</b>	<b>\$762,360.00</b>
* Grading number cannot be verified until survey is extended				
<b>LANDSCAPE</b>				
Soil prep and native seed	16,100	SF	\$0.40	\$6,440.00
Irrigation, native seed and shrubs	16,100	SF	\$1.25	\$20,125.00
Trees deciduous	8	EA	\$500.00	\$4,000.00
Trees evergreen	4	EA	\$500.00	\$2,000.00
			<b>SUBTOTAL</b>	<b>\$32,565.00</b>
<b>SITE AMENITIES AND FURNISHINGS</b>				
Shade Shelter - 10'x20'	1	EA	\$25,000.00	\$25,000.00
Trash receptacle	1	EA	\$2,145.00	\$2,145.00
Benches - no back	2	EA	\$3,200.00	\$6,400.00
Tables	2	EA	\$2,900.00	\$5,800.00
			<b>SUBTOTAL</b>	<b>\$39,345.00</b>



ITEM	QTY	UNIT	UNIT COST	TOTAL COST
ELECTRICAL				
			<b>SUBTOTAL</b>	<b>\$160,000.00</b>
<b>BASE BID CONSTRUCTION SUBTOTAL</b>				<b>\$1,026,908.00</b>
Construction Surveying	1.0%			<b>\$10,269.08</b>
Bonding and Mobilization	7.5%			<b>\$77,018.10</b>
Construction Contingency	15.0%			<b>\$154,036.20</b>
<b>BASE BID CONSTRUCTION TOTAL</b>				<b>\$1,268,231.38</b>



**DESIGN  
CONCEPTS**

Community + Landscape Architects

## Estimate of Probable Costs

### Coyote Ridge Park - Phase 3 Entry Improvements

Subject: Conceptual Estimate of Probable Costs

March 21, 2022

ITEM	QTY	UNIT	UNIT COST	TOTAL COST
<b>SITE DEMOLITION</b>				
Temporary Fencing	440	LF	\$4.50	\$1,980.00
Remove Existing Pavement	10,500	SF	\$1.75	\$18,375.00
Erosion Control	1	LS	\$5,000.00	\$5,000.00
Clear and Grub	9,000	SF	\$0.30	\$2,700.00
			<b>Subtotal</b>	<b>\$28,055.00</b>
<b>SITE CONSTRUCTION</b>				
Concrete Walk	285	SF	\$8.00	\$2,280.00
Curb and Gutter at Drive Lane	260	LF	\$20.00	\$5,200.00
Concrete Pan	80	LF	\$50.00	\$4,000.00
Concrete Edger	330	LF	\$18.00	\$5,940.00
Asphalt Paving - Drive	3,200	SF	\$5.00	\$16,000.00
Storm Drain Upgrades	1	LS	\$7,000.00	\$7,000.00
Grading - On-Site*	200	CY	\$10.00	\$2,000.00
			<b>Subtotal</b>	<b>\$42,420.00</b>
* Grading number cannot be verified until survey is extended				
<b>LANDSCAPE</b>				
Soil prep and native seed	7,000	SF	\$0.40	\$2,800.00
Planting beds and mulch	5,900	SF	\$4.00	\$23,600.00
Irrigation, native seed and shrubs	12,900	SF	\$1.25	\$16,125.00
Irrigation, extend mainline	1	LS	\$5,000.00	\$5,000.00
Trees deciduous	6	EA	\$500.00	\$3,000.00
Trees evergreen	6	EA	\$500.00	\$3,000.00
			<b>SUBTOTAL</b>	<b>\$53,525.00</b>
<b>SITE AMENITIES AND FURNISHINGS</b>				
Entry Signage	1	EA	\$35,000.00	\$35,000.00
			<b>SUBTOTAL</b>	<b>\$35,000.00</b>
<b>ELECTRICAL</b>	1	LS	\$ 8,000.00	\$8,000.00
			<b>SUBTOTAL</b>	<b>\$8,000.00</b>

<b>BASE BID CONSTRUCTION SUBTOTAL</b>				<b>\$167,000.00</b>
<b>Construction Surveying</b>	1.0%			<b>\$1,670.00</b>
<b>Bonding and Mobilization</b>	7.5%			<b>\$12,525.00</b>
<b>Construction Contingency</b>	15.0%			<b>\$25,050.00</b>
<b>BASE BID CONSTRUCTION TOTAL</b>				<b>\$206,245.00</b>
<b>DESIGN, SURVEYING AND GEOTECH</b>	<b>13%</b>			<b>\$ 26,811.85</b>
<b>CONSTRUCTION AND DESIGN TOTAL</b>				<b>\$ 233,056.85</b>