

# Johnnycake Mountain Park

**Kent + Frost**  
Landscape Architecture

## Opinion of Probable Costs

10/4/2021

Revised: 10/19/2021

ITEM	COST	UNIT	QTY.	ITEM COST	NOTE
<b>Site Preparation</b>					
Silt Fence	\$3.00	LF	5,000	\$15,000.00	
Selective Tree Removal	\$5,000.00	LS	1.00	\$5,000.00	Wind break trees & stumps upto 24"
Demo Bituminous Pavement	\$3.00	SY	5,100	\$15,300.00	Reclaim & reuse millings for expansion
Demo Catch Basin	\$750.00	EA	3	\$2,250.00	Excavate & remove from site
Demo Farm Fence	\$3.00	LF	6600	\$19,800.00	Demo posts & reclaim sound components
Demo Barn Structures & Silage Pit	\$1.50	SF	34900	\$52,350.00	Demo & recycle steel, demo concrete
			<b>Sub-Total</b>	<b>\$109,700.00</b>	
<b>Earthwork</b>					
Clearing and Grubbing	\$7,450.00	ACRE	3.75	\$27,947.59	Brush & turf within improvement areas
Strip & Stockpile Within Structures	\$12.00	CY	2900	\$34,800.00	Strip 12" topsoil, screen, test & amend
Free Draining Fill Under Structures	\$7.50	CY	1550	\$11,625.00	From athletic stock pile
Strip & Stockpile Athletic Fields	\$12.00	CY	10000	\$120,000.00	Strip 12" topsoil, screen, test & amend
Athletic Field Subgrade Rough Grading	\$7.50	CY	7350	\$55,125.00	Existing subgrade, stockpile for reuse
Athletic Field Top Soil & Rough Grading	\$7.50	CY	10000	\$75,000.00	Place, compact & rough grade
Athletic Field Lazer Grading	\$0.40	SF	100000	\$40,000.00	Field extents only
			<b>Sub-Total</b>	<b>\$364,497.59</b>	
<b>Site Improvements</b>					
Farm Fence	\$25.00	LF	5020	\$125,500.00	To match existing
Dog Park Fence	\$18.00	LF	540	\$9,720.00	4' Tall, PVC coated black chain link
20 x 40 Pavilion	\$60,000.00	EA	2	\$120,000.00	Footing, concrete slab & timber structure
Playground - North	\$40.00	SF	3500	\$140,000.00	Play surface, play structures & fence
Playground - South	\$40.00	SF	2000	\$80,000.00	Play surface, play structures & fence
Benches	\$1,000.00	EA	24	\$24,000.00	Budget estimate
Community Gardens	\$2.50	SF	9000	\$22,500.00	Wood chip pathways, flush beds, deer fence
Fishing Pier	\$70.00	SF	430	\$30,100.00	Railing, pressure treated
Storage Building	\$30,000.00	LS	1	\$30,000.00	Steel storage building, concrete slab

Run-in Shelter	\$3,500.00	LS	1	\$3,500.00	<i>Prefabricated storage container</i>
Storage Shed	\$5,000.00	LS	1	\$5,000.00	<i>Prefabricated storage container</i>
Stone Entry Piers	\$5,000.00	EA	2	\$10,000.00	<i>Concrete foundation, CMU Core, Full bed stone</i>
Athletic Field Ball Nets - 20' Tall	\$80.00	LF	420	\$33,600.00	<i>Concrete foundation, sleeve, post, 20' net</i>
			<b>Sub-Total</b>	<b>\$633,920.00</b>	
<b>Hardscape</b>					
Bituminous Pavement - Core	\$5.00	SF	46250	\$231,250.00	<i>(2) 2" lifts, 6" processed, 10" base</i>
Bituminous Pavement - Johnnycake Rd	\$5.00	SF	640	\$3,200.00	<i>(2) 2" lifts, 6" processed, 10" base</i>
Bituminous Pavement - Rock Rd	\$5.00	SF	5450	\$27,250.00	<i>(2) 2" lifts, 6" processed, 10" base</i>
Special Entry Paving	\$15.00	SF	250	\$3,750.00	<i>Concrete filled cattle guard</i>
Stonedust Trails	\$3.00	SF	57015	\$171,045.00	<i>2" Stone dust, 6" procesed base</i>
Stone Stair Tread	\$1,200.00	EA	8	\$9,600.00	<i>Monolithic granite, 10" processed base</i>
			<b>Sub-Total</b>	<b>\$446,095.00</b>	
<b>Landscape</b>					
Trees- 2 " cal	\$300.00	EA	44	\$13,200.00	<i>B&amp;B, excavation, planting soil, staking</i>
Evergreens	\$300.00	EA	150	\$45,000.00	<i>B&amp;B, excavation, planting soil, staking</i>
Rain garden	\$3.00	SF	4250	\$12,750.00	<i>Landscape plug</i>
Turf Seeding	\$24,000.00	ACRE	3.75	\$90,032.51	<i>Fine grading, mechanical seeding, fertilizer</i>
Athletic Field Seeding	\$24,000.00	ACRE	2.30	\$55,096.42	<i>Mechanical seeding, fertilizer</i>
Meadow Seeding	\$26,000.00	ACRE	5.20	\$135,164.78	<i>Vegetation control, no-till, seed</i>
			<b>Sub-Total</b>	<b>\$351,243.71</b>	
<b>Signage</b>					
Main Entry Sign	\$10,000.00	LS	1	\$10,000.00	<i>Stone wall, S.S. standoff letters</i>
Traffic Control	\$300.00	EA	10	\$3,000.00	<i>Reflective aluminum sign, u channel w/ break</i>
Wayfinding	\$700.00	EA	10	\$7,000.00	<i>Corten steel support, CHPL Graphic</i>
Interpretive	\$1,000.00	LS	6	\$6,000.00	<i>Corten steel support, CHPL Graphic</i>
			<b>Sub-Total</b>	<b>\$26,000.00</b>	
<b>Site Utilities</b>					
Athletic Field Irrigation	\$1.25	SF	100000	\$125,000.00	<i>Rotary type 40' spary, controller, back flow</i>
Event Power Pedestal	\$1,500.00	EA	3.00	\$4,500.00	
Underground Electric	\$15.00	LF	607	\$9,105.00	<i>Trench &amp; backfill, 1.5" conduit w/ conductors</i>
Undergrounding Existing Utility Service	\$20,000.00	LS	1	\$20,000.00	<i>Budget estimate</i>
			<b>Sub-Total</b>	<b>\$158,605.00</b>	
<b>Site Maintenance</b>					

Brush Mow - Meadow	\$700.00	ACRE	5.20	\$3,640.00	Mow with tractor, rotary deck, no removal
Brush Mow - 5' at Path Edges	\$700.00	ACRE	2.25	\$1,575.00	Mow with tractor, rotary deck, no removal
Sub-Total				\$5,215.00	

Total of All Items				\$2,095,276.30	
Additional Items & Contingencies					
Site Design & Engineering Soft Costs			9%	\$188,574.87	
Construction Staking			1%	\$20,952.76	
Mobilization			2%	\$41,905.53	
Contingency			20%	\$419,055.26	
Total of Additional Items & Contingencies				\$670,488.42	

Full Construction Grand Total	\$2,765,764.72
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Alternate Cost Items					
Farm Fence- Northwest Fence Alternate	\$25.00	LF	2140	\$53,500.00	
Community Building	\$500.00	SF	2000	\$1,000,000.00	Budget estimate