



Discovery Park Zone 1  
 Project No.: D22-04643  
 08/07/2023  
 For: the City of Lee's Summit

## Opinion of Probable Cost

### Mass Grading & Erosion and Sediment Control Plans

#### Based on Final Plans

ITEM OF WORK	QUANTITY	UNIT	UNIT COST	COST
<b>GRADING</b>				
Common Excavation	230615.00	C.Y.	\$3.50	\$807,152.50
Embankment	464762.00	C.Y.	\$1.90	\$883,047.80
			<b>Subtotal</b>	<b>\$1,690,200.30</b>
<b>STORM SEWERS</b>				
<b>High Density Polyethylene Pipe</b>				
15" HDPE	160.20	L.F.	\$40.00	\$6,408.00
24" HDPE	157.42	L.F.	\$54.00	\$8,500.68
36" HDPE	146.35	L.F.	\$67.00	\$9,805.45
<b>Reinforced Concrete Box Culvert</b>				
5' x 6' RCB	161.81	L.F.	\$620.00	\$100,322.20
<b>End Sections</b>				
15" End Section	2.00	Ea.	\$550.00	\$1,100.00
24" End Section	2.00	Ea.	\$1,000.00	\$2,000.00
36" End Section	2.00	Ea.	\$1,200.00	\$2,400.00
<b>Headwalls, Channel Lining</b>				
Riprap	92.80	S.Y.	\$65.00	\$6,032.00
<b>Structures</b>				
<b>Storm Boxes</b>				
4' x 4' Inside (0' - 6' deep)	4.00	Ea.	\$2,850.00	\$11,400.00
Extra Depth on 4' x 4'	24.42	V.F.	\$170.00	\$4,151.40
5' x 5' Inside (0' - 6' deep)	2.00	Ea.	\$3,225.00	\$6,450.00
Extra Depth on 5' x 5'	3.80	V.F.	\$200.00	\$760.00
7' x 4' Inside (0' - 6' deep)	1.00	Ea.	\$4,850.00	\$4,850.00
Extra Depth on 7' x 4'	5.38	V.F.	\$270.00	\$1,452.60
9' x 12' Inside Outlet Structure	1.00	Ea.	\$14,500.00	\$14,500.00
<b>Miscellaneous</b>				
Riprap Basin Rock	3288.00	ton	\$34.00	\$111,792.00
Connect to Existing Structures	1.00	Ea.	\$2,000.00	\$2,000.00
			<b>Subtotal</b>	<b>\$293,924.33</b>
<b>EROSION CONTROL</b>				
Vehicle Tracking Device	1.00	Ea.	\$2,300.00	\$2,300.00
Sediment Trap (Rock and Gravel)	15.00	Ea.	\$2,350.00	\$35,250.00
Inlet Protection	26.00	Ea.	\$125.00	\$3,250.00

ITEM OF WORK	QUANTITY	UNIT	UNIT COST	COST
Rock Check Dams	19.00	Ea.	\$430.00	\$8,170.00
Diversion Berm	7831.42	L.F.	\$2.00	\$15,662.84
Silt Fence	3004.42	L.F.	\$2.00	\$6,008.84
Erosion Control Blanket	4563.00	S.Y.	\$2.15	\$9,810.45
Turf Reinforcement Mat	10626.00	S.Y.	\$3.50	\$37,191.00
			<b>Subtotal</b>	<b>\$117,643.13</b>
<b>MISCELLANEOUS</b>				
Clearing (no burning)	27.75	Ac.	\$9,850.00	\$273,337.50
Seed & Mulch	58.45	Ac.	\$1,850.00	\$108,132.50
Native Seed Mix	2.20	Ac.	\$3,300.00	\$7,260.00
			<b>Subtotal</b>	<b>\$388,730.00</b>
			TOTAL OF CONSTRUCTION COSTS	<b>\$2,490,497.76</b>
			MISC. EXTRAS & OVERRUNS ( 10% )	<b>\$249,049.78</b>
			<b>GRAND TOTAL</b>	<b>\$2,739,547.54</b>

Final construction costs may be impacted by input from local, state, and federal regulatory authorities. Estimate does not include state or federal regulatory permit fees or potential mitigation cost for stream and wetland impacts.

Construction costs are subject to unit cost increases due to inflation and market factors beyond control of or unknown to consultant at time of estimate.

We do not guarantee that our opinions will not differ materially from negotiated prices or bids. If assurances as to probable construction costs are desired, an independent estimator or contractor should be employed.

