

2024 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION		
Trails at Aspen Ridge Filing No. 3 - Phase 1	4/16/2024	SF-21-022
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)						
*Earthwork						
less than 1,000; \$5,300 min		CY	\$ 8.00	= \$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	= \$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -
50,001-200,000; \$175,000 min	172838.	CY	\$ 2.50	= \$ 432,095.00	80.00%	\$ 86,419.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
*Permanent Erosion Control Blanket		SY	\$ 9.00	= \$ -		\$ -
*Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	30.3	AC	\$ 2,018.00	= \$ 61,145.40	80.00%	\$ 12,229.08
*Permanent Pond/BMP (provide engineer's estimate)	1.	EA	\$ 25,000.00	= \$ 25,000.00	80.00%	\$ 5,000.00
*Permanent Pond/BMP (Outlet Structure - Micropool)	1.	EA	\$ 15,000.00	= \$ 15,000.00	80.00%	\$ 3,000.00
*Permanent Pond/BMP (Forebay)	2.	EA	\$ 25,000.00	= \$ 50,000.00	80.00%	\$ 10,000.00
*Permanent Pond/BMP (Concrete Low Flow Channel)	70.	CY	\$ 570.00	= \$ 39,900.00	80.00%	\$ 7,980.00
*Permanent Pond/BMP Rip Rap (d50 size from 6" to 24")	420.	Tons	\$ 83.00	= \$ 34,860.00	80.00%	\$ 6,972.00
Concrete Washout Basin	1.	EA	\$ 1,172.00	= \$ 1,172.00	80.00%	\$ 234.40
Inlet Protection	10.	EA	\$ 217.00	= \$ 2,170.00	80.00%	\$ 434.00
Rock Check Dam		EA	\$ 651.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Sediment Basin	4.	EA	\$ 2,294.00	= \$ 9,176.00	80.00%	\$ 1,835.20
Sediment Trap		EA	\$ 538.00	= \$ -		\$ -
Silt Fence	3213.	LF	\$ 3.00	= \$ 9,639.00	80.00%	\$ 1,927.80
Slope Drain		LF	\$ 43.00	= \$ -		\$ -
Straw Bale		EA	\$ 33.00	= \$ -		\$ -
Straw Wattle/Rock Sock	5665.	LF	\$ 8.00	= \$ 45,320.00	80.00%	\$ 9,064.00
Surface Roughening		AC	\$ 269.00	= \$ -		\$ -
Temporary Erosion Control Blanket	14556.	SY	\$ 3.00	= \$ 43,668.00	80.00%	\$ 8,733.60
Temporary Seeding and Mulching		AC	\$ 1,793.00	= \$ -		\$ -
Vehicle Tracking Control	2.	EA	\$ 3,085.00	= \$ 6,170.00	80.00%	\$ 1,234.00
Outlet Protection	3.	EA	\$ 200.00	= \$ 600.00	80.00%	\$ 120.00
[insert items not listed but part of construction plans]						
MAINTENANCE (35% of Construction BMPs)				= \$ 40,860.05		\$ 40,860.05
Section 1 Subtotal				= \$ 816,775.45		\$ 196,043.13

* Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS

Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	5150.	CY	\$ 66.00	= \$ 339,900.00	80.00%	\$ 67,980.00
Asphalt Pavement (3" thick)		SY	\$ 18.00	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	= \$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) <u>5" thick</u>	3192.	Tons	\$ 114.00	= \$ 363,888.00	80.00%	\$ 72,777.60
Raised Median, Paved		SF	\$ 11.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	8.	EA	\$ 392.00	= \$ 3,136.00	80.00%	\$ 627.20
Guide/Street Name Sign	16.	EA	\$ 250.00	= \$ 4,000.00	80.00%	\$ 800.00
Epoxy Pavement Marking		SF	\$ 17.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 30.00	= \$ -		\$ -
Barricade - Type 3		EA	\$ 259.00	= \$ -		\$ -
Delineator - Type I		EA	\$ 31.00	= \$ -	80.00%	\$ -
Curb and Gutter, Type A (6" Vertical)	2195.	LF	\$ 38.00	= \$ 83,410.00	80.00%	\$ 16,682.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	3950.	LF	\$ 38.00	= \$ 150,100.00	80.00%	\$ 30,020.00
4" Sidewalk (common areas only)		SY	\$ 62.00	= \$ -		\$ -
5" Sidewalk	1052.	SY	\$ 77.00	= \$ 81,004.00	80.00%	\$ 16,200.80
6" Sidewalk		SY	\$ 94.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 125.00	= \$ -		\$ -
Pedestrian Ramp	23.	EA	\$ 1,496.00	= \$ 34,408.00	80.00%	\$ 6,881.60
Cross Pan, local (8" thick, 6' wide to include return)	150.	LF	\$ 79.00	= \$ 11,850.00	80.00%	\$ 2,370.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	= \$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,926.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 65.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 94.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,731.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,902.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 22.00	= \$ -		\$ -
Traffic Signal, (provide engineer's estimate)	1.	EA	\$ 533,304	= \$ 533,304.00		\$ 533,304.00

PROJECT INFORMATION

Trails at Aspen Ridge Filing No. 3 - Phase 1

4/16/2024

SF-21-022

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<i>Underdrain Contingency</i>	90.	EA	\$ 2,175.00	=	\$ 195,750.00		\$ 195,750.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF	\$ 150.00	=	\$ -		\$ -
18" Reinforced Concrete Pipe	112.	LF	\$ 82.00	=	\$ 9,184.00	80.00%	\$ 1,836.80
24" Reinforced Concrete Pipe	392.	LF	\$ 98.00	=	\$ 38,416.00	80.00%	\$ 7,683.20
30" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe	296.	LF	\$ 151.00	=	\$ 44,696.00	80.00%	\$ 8,939.20
42" Reinforced Concrete Pipe		LF	\$ 201.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 320.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 374.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 433.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 495.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 121.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 154.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 212.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 223.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 327.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 353.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 427.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 502.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 578.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 691.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size =		EA		=	\$ -		\$ -
<small>(unit cost = 6x pipe unit cost)</small>							
Flared End Section (FES) CSP Size =		EA		=	\$ -		\$ -
<small>(unit cost = 6x pipe unit cost)</small>							
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤Depth < 10'	3.	EA	\$ 9,377.00	=	\$ 28,131.00	80.00%	\$ 5,626.20
Curb Inlet (Type R) L=5', 10' ≤Depth < 15'		EA	\$ 10,859.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 9,925.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤Depth < 10'	4.	EA	\$ 10,230.00	=	\$ 40,920.00	80.00%	\$ 8,184.00
Curb Inlet (Type R) L=10', 10' ≤Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 12,907.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤Depth < 10'		EA	\$ 13,835.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤Depth < 15'		EA	\$ 15,130.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 13,755.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤Depth < 10'		EA	\$ 15,181.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	2.	EA	\$ 15,130.00	=	\$ 30,260.00	80.00%	\$ 6,052.00
Storm Sewer Manhole, Slab Base	4.	EA	\$ 8,322.00	=	\$ 33,288.00	80.00%	\$ 6,657.60
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
30"x19" HERCP		LF	\$ 150.00	=	\$ -		\$ -
38"x34" HERCP		LF	\$ 200.00	=	\$ -		\$ -
45"x29" HERCP	72.	LF	\$ 250.00	=	\$ 18,000.00	80.00%	\$ 3,600.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<small>* Subject to defect warranty financial assurance. A minimum of 20% shall</small>							
<small>be retained until final acceptance (MAXIMUM OF 30% COMPLETE ALLOWED)</small>							
Section 2 Subtotal					= \$ 2,043,645.00		\$ 991,972.20

PROJECT INFORMATION

Trails at Aspen Ridge Filing No. 3 - Phase 1

4/16/2024

SF-21-022

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**								
ROADWAY IMPROVEMENTS								
4" Sidewalk	1558.	SY	\$ 94.00	=	\$ 146,452.00	100.00%	\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
18" Reinforced Concrete Pipe	187.	LF	\$ 67.00	=	\$ 12,529.00	100.00%	\$ -	
Grated Inlet (Type C)	1.	EA	\$ 4,802.00	=	\$ 4,802.00	100.00%	\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	4887.	LF	\$ 84.00	=	\$ 410,508.00		\$ 410,508.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 8"	10.	EA	\$ 2,418.00	=	\$ 24,180.00		\$ 24,180.00	
Fire Hydrant Assembly, w/ all valves	8.	EA	\$ 8,584.00	=	\$ 68,672.00		\$ 68,672.00	
Water Service Line Installation, inc. tap and valves	90.	EA	\$ 1,723.00	=	\$ 155,070.00		\$ 155,070.00	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
<i>Pumphouse</i>	1.	EA	\$ 600,000.00	=	\$ 600,000.00		\$ 600,000.00	
Water Main Pipe (PVC), Size 12"	1,441	LF	\$ 80.00	=	\$ 115,280.00		\$ 115,280.00	
Gate Valves, 12"	8	EA	\$ 2,500.00	=	\$ 20,000.00		\$ 20,000.00	
Water Main Pipe (PVC), Size 16"	1,044	LF	\$ 95.00	=	\$ 99,180.00		\$ 99,180.00	
Gate Valves, 16"	3	EA	\$ 9,000.00	=	\$ 27,000.00		\$ 27,000.00	
16" ARV	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	3520.	LF	\$ 84.00	=	\$ 295,680.00		\$ 295,680.00	
Sanitary Sewer Manhole, Depth < 15 feet	14.	EA	\$ 5,708.00	=	\$ 79,912.00		\$ 79,912.00	
Sanitary Service Line Installation, complete	90.	EA	\$ 1,825.00	=	\$ 164,250.00		\$ 164,250.00	
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)								
Deciduous Trees	25.	EA	\$ 400.00	=	\$ 10,000.00		\$ 10,000.00	
Evergreen Trees	38.	EA	\$ 400.00	=	\$ 15,200.00		\$ 15,200.00	
Ornamental Trees	32.	EA	\$ 325.00	=	\$ 10,400.00		\$ 10,400.00	
Soil Amendments	196947.	SF	\$ 0.50	=	\$ 98,473.50		\$ 98,473.50	
Sod	4600.	SF	\$ 0.50	=	\$ 2,300.00		\$ 2,300.00	
Native Seed	184875.	SF	\$ 0.60	=	\$ 110,925.00		\$ 110,925.00	
1 1/2" Rock	8501.	SF	\$ 0.75	=	\$ 6,375.75		\$ 6,375.75	
Steel Edge	239.	EA	\$ 3.00	=	\$ 717.00		\$ 717.00	
Weed Barrier Fabric	8501.	SF	\$ 0.25	=	\$ 2,125.25		\$ 2,125.25	
Irrigation	196947.	SF	\$ 1.00	=	\$ 196,947.00	100.00%	\$ -	
Section 3 Subtotal					=	\$ 2,686,978.50		\$ 2,326,248.50

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

Trails at Aspen Ridge Filing No. 3 - Phase 1

4/16/2024

SF-21-022

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)			\$ 15,000.00	= \$ 15,000.00	\$	15,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 7,000.00	= \$ 7,000.00	\$	7,000.00
Total Construction Financial Assurance					\$	5,569,398.95
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	3,536,263.83
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	512,377.08
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						



Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Engineer (P.E. Seal Required)

Richard A. van Seenus

4/16/2024

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date