

2021 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
Trails at Aspen Ridge Filing No. 4	6/10/2021	
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	73,879	CY	\$ 2.50	=	\$ 184,697.50		\$ 184,697.50	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	=	\$ -		\$ -	
* Mulching		AC	\$ 777.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 25,000.00	=	\$ 25,000.00		\$ 25,000.00	
* Permanent Pond/BMP (Outlet Structure - Micropool)	1	EA	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00	
* Permanent Pond/BMP (Forebay)	1	EA	\$ 25,000.00	=	\$ 25,000.00		\$ 25,000.00	
* Permanent Pond/BMP (Concrete Low Flow Channel)	18	CY	\$ 570.00	=	\$ 10,260.00		\$ 10,260.00	
* Permanent Pond/BMP Rip Rap (d50 size from 6" to 24")	112	Tons	\$ 83.00	=	\$ 9,296.00		\$ 9,296.00	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket	11,705	SY	\$ 3.00	=	\$ 35,115.00		\$ 35,115.00	
Vehicle Tracking Control	3	EA	\$ 2,453.00	=	\$ 7,359.00		\$ 7,359.00	
Silt Fence	4,085	LF	\$ 2.60	=	\$ 10,621.00		\$ 10,621.00	
Temporary Seeding	21	AC	\$ 650.00	=	\$ 13,650.00		\$ 13,650.00	
Temporary Mulch	21	AC	\$ 777.00	=	\$ 16,317.00		\$ 16,317.00	
Erosion Bales	0	EA	\$ 26.00	=	\$ -		\$ -	
Erosion Logs/Straw Waddle	506	LF	\$ 5.00	=	\$ 2,530.00		\$ 2,530.00	
Rock Check Dams	0	EA	\$ 518.00	=	\$ -		\$ -	
Inlet Protection	12	EA	\$ 173.00	=	\$ 2,076.00		\$ 2,076.00	
Sediment Basin	1	EA	\$ 1,824.00	=	\$ 1,824.00		\$ 1,824.00	
Concrete Washout Basin	2	EA	\$ 932.00	=	\$ 1,864.00		\$ 1,864.00	
Outlet Protection	2	EA	\$ 200.00	=	\$ 400.00		\$ 400.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 32,114.60		\$ 32,114.60
Section 1 Subtotal					=	\$ 393,124.10		\$ 393,124.10

* - 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	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	1,743	CY	\$ 52.00	=	\$ 90,610.52		\$ 90,610.52
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)	113,807	SY	\$ 20.00	=	\$ 2,276,143.50		\$ 2,276,143.50
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	8	EA	\$ 311.00	=	\$ 2,488.00		\$ 2,488.00
Guide/Street Name Sign	10	EA	\$ 250.00	=	\$ 2,500.00		\$ 2,500.00
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3	1	EA	\$ 207.00	=	\$ 207.00		\$ 207.00
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	2,690	LF	\$ 31.00	=	\$ 83,390.00		\$ 83,390.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	4,541	LF	\$ 31.00	=	\$ 140,771.00		\$ 140,771.00
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk	4,214	SY	\$ 62.00	=	\$ 261,269.86		\$ 261,269.86
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	28	EA	\$ 1,190.00	=	\$ 33,320.00		\$ 33,320.00
Cross Pan, local (8" thick, 6' wide to include return)	559	LF	\$ 63.00	=	\$ 35,219.52		\$ 35,219.52
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -

PROJECT INFORMATION

Trails at Aspen Ridge Filing No. 4

6/10/2021

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (30W x 19H)		LF	\$ 150.00	=	\$ -		\$ -
18" Reinforced Concrete Pipe	404	LF	\$ 67.00	=	\$ 27,079.39		\$ 27,079.39
24" Reinforced Concrete Pipe	258	LF	\$ 81.00	=	\$ 20,928.78		\$ 20,928.78
30" Reinforced Concrete Pipe	873	LF	\$ 100.00	=	\$ 87,316.00		\$ 87,316.00
36" Reinforced Concrete Pipe	160	LF	\$ 124.00	=	\$ 19,796.60		\$ 19,796.60
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 402.00	=	\$ 402.00		\$ 402.00
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	6	EA	\$ 5,736.00	=	\$ 34,416.00		\$ 34,416.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'	3	EA	\$ 7,894.00	=	\$ 23,682.00		\$ 23,682.00
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	1	EA	\$ 10,265.00	=	\$ 10,265.00		\$ 10,265.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	9	EA	\$ 6,619.00	=	\$ 59,571.00		\$ 59,571.00
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 3,209,376.17	\$ 3,209,376.17

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PROJECT INFORMATION							
Trails at Aspen Ridge Filing No. 4			6/10/2021				
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							
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
				=	\$	-	\$
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$	-	\$
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$	-	\$
Gate Valves, 8"		EA	\$ 1,923.00	=	\$	-	\$
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	=	\$	-	\$
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	=	\$	-	\$
Fire Cistern Installation, complete		EA		=	\$	-	\$
Pumphouse		EA	\$ 600,000.00	=	\$	-	\$
Water Main Pipe (PVC), Size 12"		LF	\$ 80.00	=	\$	-	\$
Gate Valves, 12"		EA	\$ 2,500.00	=	\$	-	\$
Water Main Pipe (PVC), Size 16"		LF	\$ 95.00	=	\$	-	\$
Gate Valves, 16"		EA	\$ 3,000.00	=	\$	-	\$
16" ARV		EA	\$ 10,000.00	=	\$	-	\$
<i>[insert items not listed but part of construction plans]</i>							
				=	\$	-	\$
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$	-	\$
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	=	\$	-	\$
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	=	\$	-	\$
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)							
		EA		=	\$	-	\$
		EA		=	\$	-	\$
		EA		=	\$	-	\$
		EA		=	\$	-	\$
		EA		=	\$	-	\$
** - Section 3 is not subject to defect warranty requirements							
Section 3 Subtotal				=	\$	-	\$
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs) LS \$ -							
POND/BMP CERTIFICATION (inc. elevations and volume calculations) LS \$ -							
					Total Construction Financial Assurance \$ 3,602,500.27		
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
					Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 3,602,500.27		
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
					Total Defect Warranty Financial Assurance \$ 683,814.73		
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)							

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6/10/2021

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PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining

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)

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date