

2019 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 9/27/2019

PROJECT INFORMATION			
The Trails at Aspen Ridge Filing No. 1	1/23/2020	\$ 389,310.00	SF-19-002
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		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	3	AC	\$ 800.00	= \$ 2,400.00		\$ 2,400.00
* Mulching		AC	\$ 750.00	= \$ -		\$ -
* Temporary Erosion Control Blanket	14,000	SY	\$ 3.00	= \$ 42,000.00		\$ 42,000.00
* Permanent Pond/BMP Construction	2	EA	\$ 25,000.00	= \$ 50,000.00		\$ 50,000.00
* Permanent Pond/BMP (Spillway)	2	EA	\$ 80,000.00	= \$ 160,000.00		\$ 160,000.00
* Permanent Pond/BMP (Outlet Structure)	2	EA	\$ 25,000.00	= \$ 50,000.00		\$ 50,000.00
* Permanent Pond/BMP (Sand Filter & Underdrain)	1	EA	\$ 25,000.00	= \$ 25,000.00		\$ 25,000.00
* Permanent Pond/BMP (Forebay)	2	EA	\$ 25,000.00	= \$ 50,000.00		\$ 50,000.00
* Permanent Pond/BMP (Concrete Low Flow Channel)	187	CY	\$ 570.00	= \$ 106,590.00		\$ 106,590.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temp. Erosion Control Blanket	44,225	SY	\$ 3.00	= \$ 132,675.00		\$ 132,675.00
Vehicle Tracking Control	2	EA	\$ 2,370.00	= \$ 4,740.00		\$ 4,740.00
Silt Fence	12,129	LF	\$ 2.50	= \$ 30,322.50		\$ 30,322.50
Temporary Seeding		AC	\$ 628.00	= \$ -		\$ -
Temporary Mulch		AC	\$ 750.00	= \$ -		\$ -
Erosion Bales		EA	\$ 25.00	= \$ -		\$ -
Erosion Logs/Straw Waddle	27,032	LF	\$ 5.00	= \$ 135,160.00		\$ 135,160.00
Rock Check Dams	31	EA	\$ 500.00	= \$ 15,500.00		\$ 15,500.00
Inlet Protection	40	EA	\$ 167.00	= \$ 6,680.00		\$ 6,680.00
Sediment Basin	5	EA	\$ 1,762.00	= \$ 8,810.00		\$ 8,810.00
Concrete Washout Basin	1	EA	\$ 900.00	= \$ 900.00		\$ 900.00
[insert items not listed but part of construction plans]				= \$ -		\$ -
				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 117,175.63		\$ 117,175.63
Section 1 Subtotal				= \$ 937,953.13		\$ 937,953.13
SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	13,564	CY	\$ 50.00	= \$ 678,193.00		\$ 678,193.00
Asphalt Pavement (3" thick)		SY	\$ 14.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	53,820	SY	\$ 19.00	= \$ 1,022,584.37		\$ 1,022,584.37
Asphalt Pavement (6" thick)		SY	\$ 29.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	= \$ -		\$ -
Raised Median, Paved	6,139	SF	\$ 8.00	= \$ 49,114.26		\$ 49,114.26
Regulatory Sign/Advisory Sign	57	EA	\$ 300.00	= \$ 17,100.00		\$ 17,100.00
Guide/Street Name Sign	28	EA		= \$ -		\$ -
Epoxy Pavement Marking	6,773	SF	\$ 13.00	= \$ 88,047.96		\$ 88,047.96
Thermoplastic Pavement Marking	1,433	SF	\$ 23.00	= \$ 32,949.62		\$ 32,949.62
Barricade - Type 3	17	EA	\$ 200.00	= \$ 3,400.00		\$ 3,400.00
Delineator - Type I		EA	\$ 24.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	8,941	LF	\$ 30.00	= \$ 268,242.60		\$ 268,242.60
Curb and Gutter, Type B (Median)	1,440	LF	\$ 30.00	= \$ 43,187.73		\$ 43,187.73
Curb and Gutter, Type C (Ramp)	11,721	LF	\$ 30.00	= \$ 351,634.05		\$ 351,634.05
4" Sidewalk (common areas only)	5,633	SY	\$ 48.00	= \$ 270,384.00		\$ 270,384.00
5" Sidewalk	4,158	SY	\$ 60.00	= \$ 249,480.00		\$ 249,480.00
6" Sidewalk		SY	\$ 72.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 96.00	= \$ -		\$ -
Pedestrian Ramp	77	EA	\$ 1,150.00	= \$ 88,550.00		\$ 88,550.00
Cross Pan, local (8" thick, 6' wide to include return)	175	LF	\$ 61.00	= \$ 10,675.00		\$ 10,675.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,480.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	= \$ -		\$ -

PROJECT INFORMATION									
The Trails at Aspen Ridge Filing No. 1			1/23/2020		\$ 389,310.00		SF-19-002		
Project Name			Date				PCD File No.		
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)			
						% Complete	Remaining		
[insert items not listed but part of construction plans]					=	\$ -		\$ -	
[insert items not listed but part of construction plans]					=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS									
Concrete Box Culvert (M Standard), Size (W x H)			LF	=	\$ -		\$ -		
18" Reinforced Concrete Pipe	910		LF	\$ 65.00	=	\$ 59,143.50	\$ 59,143.50		
24" Reinforced Concrete Pipe	2,577		LF	\$ 78.00	=	\$ 201,031.74	\$ 201,031.74		
30" Reinforced Concrete Pipe	2,439		LF	\$ 97.00	=	\$ 236,623.74	\$ 236,623.74		
36" Reinforced Concrete Pipe			LF	\$ 120.00	=	\$ -	\$ -		
42" Reinforced Concrete Pipe	1,104		LF	\$ 160.00	=	\$ 176,643.20	\$ 176,643.20		
48" Reinforced Concrete Pipe	1,817		LF	\$ 195.00	=	\$ 354,318.90	\$ 354,318.90		
54" Reinforced Concrete Pipe			LF	\$ 245.00	=	\$ -	\$ -		
60" Reinforced Concrete Pipe			LF	\$ 288.00	=	\$ -	\$ -		
66" Reinforced Concrete Pipe			LF	\$ 332.00	=	\$ -	\$ -		
72" Reinforced Concrete Pipe			LF	\$ 380.00	=	\$ -	\$ -		
14" x 23" Horizontal Elliptical Reinforced Conc. Pipe	153		LF	\$ 65.00	=	\$ 9,971.00	\$ 9,971.00		
19" x 30" Horizontal Elliptical Reinforced Conc. Pipe	201		LF	\$ 97.00	=	\$ 19,487.30	\$ 19,487.30		
18" Corrugated Steel Pipe			LF	\$ 84.00	=	\$ -	\$ -		
24" Corrugated Steel Pipe			LF	\$ 96.00	=	\$ -	\$ -		
30" Corrugated Steel Pipe			LF	\$ 122.00	=	\$ -	\$ -		
36" Corrugated Steel Pipe			LF	\$ 147.00	=	\$ -	\$ -		
42" Corrugated Steel Pipe			LF	\$ 168.00	=	\$ -	\$ -		
48" Corrugated Steel Pipe			LF	\$ 178.00	=	\$ -	\$ -		
54" Corrugated Steel Pipe			LF	\$ 260.00	=	\$ -	\$ -		
60" Corrugated Steel Pipe			LF	\$ 280.00	=	\$ -	\$ -		
66" Corrugated Steel Pipe			LF	\$ 340.00	=	\$ -	\$ -		
72" Corrugated Steel Pipe			LF	\$ 400.00	=	\$ -	\$ -		
78" Corrugated Steel Pipe			LF	\$ 460.00	=	\$ -	\$ -		
84" Corrugated Steel Pipe			LF	\$ 550.00	=	\$ -	\$ -		
Flared End Section (FES) RCP Size = 48" (unit cost = 6x pipe unit cost)	1		EA	\$ 1,170.00	=	\$ 1,170.00	\$ 1,170.00		
Flared End Section (FES) RCP Size = 30" (unit cost = 6x pipe unit cost)	1		EA	\$ 582.00	=	\$ 582.00	\$ 582.00		
Flared End Section (FES) CSP Size = 24" (unit cost = 6x pipe unit cost)	2		EA	\$ 468.00	=	\$ 936.00	\$ 936.00		
Flared End Section (FES) CSP Size = 18" (unit cost = 6x pipe unit cost)	2		EA	\$ 390.00	=	\$ 780.00	\$ 780.00		
Flared End Section (FES) CSP Size = 14" x 23" (unit cost = 6x pipe unit cost)	1		EA	\$ 390.00	=	\$ 390.00	\$ 390.00		
Flared End Section (FES) CSP Size = 19" x 30" (unit cost = 6x pipe unit cost)	1		EA	\$ 582.00	=	\$ 582.00	\$ 582.00		
End Treatment- Headwall			EA		=	\$ -	\$ -		
End Treatment- Wingwall			EA		=	\$ -	\$ -		
End Treatment - Cutoff Wall			EA		=	\$ -	\$ -		
Curb Inlet (Type R) L=5', Depth < 5'	6		EA	\$ 5,542.00	=	\$ 33,252.00	\$ 33,252.00		
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	4		EA	\$ 7,188.00	=	\$ 28,752.00	\$ 28,752.00		
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'			EA	\$ 8,345.00	=	\$ -	\$ -		
Curb Inlet (Type R) L=10', Depth < 5'	5		EA	\$ 7,627.00	=	\$ 38,135.00	\$ 38,135.00		
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	14		EA	\$ 7,861.00	=	\$ 110,054.00	\$ 110,054.00		
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'	2		EA	\$ 9,841.00	=	\$ 19,682.00	\$ 19,682.00		
Curb Inlet (Type R) L=15', Depth < 5'			EA	\$ 9,918.00	=	\$ -	\$ -		
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	1		EA	\$ 10,633.00	=	\$ 10,633.00	\$ 10,633.00		
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'			EA	\$ 11,627.00	=	\$ -	\$ -		
Curb Inlet (Type R) L=20', Depth < 5'			EA	\$ 10,570.00	=	\$ -	\$ -		
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'			EA	\$ 11,667.00	=	\$ -	\$ -		
Grated Inlet (Type C), Depth < 5'	2		EA	\$ 4,640.00	=	\$ 9,280.00	\$ 9,280.00		
Grated Inlet (Type D), Depth < 5'			EA	\$ 5,731.00	=	\$ -	\$ -		
Storm Sewer Manhole, Type I	16		EA	\$ 11,627.00	=	\$ 186,032.00	\$ 186,032.00		
Storm Sewer Manhole, Type II	21		EA	\$ 6,395.00	=	\$ 134,295.00	\$ 134,295.00		
Geotextile (Erosion Control)			SY	\$ 6.00	=	\$ -	\$ -		
Rip Rap, d50 size from 6" to 24"			Tons	\$ 80.00	=	\$ -	\$ -		
Rip Rap, Grouted			Tons	\$ 95.00	=	\$ -	\$ -		
Drainage Channel Construction, Size (W x H)			LF		=	\$ -	\$ -		
Drainage Channel Lining, Concrete			CY	\$ 570.00	=	\$ -	\$ -		
Drainage Channel Lining, Rip Rap			CY	\$ 112.00	=	\$ -	\$ -		
Drainage Channel Lining, Grass			AC	\$ 1,469.00	=	\$ -	\$ -		
Drainage Channel Lining, Other Stabilization					=	\$ -	\$ -		
[insert items not listed but part of construction plans]					=	\$ -	\$ -		
					=	\$ -	\$ -		
Section 2 Subtotal					=	\$ 4,805,316.97	\$ 4,805,316.97		

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

PROJECT INFORMATION			
The Trails at Aspen Ridge Filing No. 1	1/23/2020	\$ 389,310.00	SF-19-002
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"	4,932	LF	\$ 64.00	=	\$ 315,616.00		\$ 315,616.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Water Main Pipe (PVC), Size 12"	3,927	LF	\$ 78.00	=	\$ 306,337.20		\$ 306,337.20
Gate Valves, 8"	38	EA	\$ 1,858.00	=	\$ 70,604.00		\$ 70,604.00
Gate Valves, 12"	32	EA	\$ 3,731.00	=	\$ 119,392.00		\$ 119,392.00
Fire Hydrant Assembly, w/ all valves	21	EA	\$ 6,597.00	=	\$ 138,537.00		\$ 138,537.00
Water Service Line Installation, inc. tap and valves	181	EA	\$ 1,324.00	=	\$ 239,644.00		\$ 239,644.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	7,235	LF	\$ 64.00	=	\$ 463,068.80		\$ 463,068.80
Sanitary Sewer Manhole, Depth < 15 feet	31	EA	\$ 4,386.00	=	\$ 135,966.00		\$ 135,966.00
Sanitary Service Line Installation, complete	181	EA	\$ 1,402.00	=	\$ 253,762.00		\$ 253,762.00
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		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 2,042,927.00	\$ 2,042,927.00

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

PROJECT INFORMATION			
The Trails at Aspen Ridge Filing No. 1	1/23/2020	\$ 389,310.00	SF-19-002
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)		LS	\$ 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					\$ 7,808,197.10	
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 7,808,197.10	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 1,021,943.39	
(20% of all items identified as (*) To be collateralized at time of preliminary acceptance)						



Approvals

I hereby certify that this is a true and complete listing 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)

Nicole M. Schaefer

Approved by Owner / Applicant

1-23-20
Date

Approved by El Paso County Engineer / ECM Administrator

Approved

By: Elizabeth Nijkamp

Date: 02/13/2020

El Paso County Planning & Community Development

