

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

Updated: 6/7/2019

PROJECT INFORMATION							
Trails at Aspen Ridge Filing One		7/2/2019		SF192			
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	55,500	CY	\$ 2.50	=	\$ 175,000.00	80.00%	\$ 35,000.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	15	AC	\$ 800.00	=	\$ 12,000.00		\$ 12,000.00
* Mulching	15	AC	\$ 750.00	=	\$ 11,250.00		\$ 11,250.00
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -
* Permanent Pond/BMP (Spillway)		EA		=	\$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)		EA		=	\$ -		\$ -
Safety Fence	1,500	LF	\$ 3.00	=	\$ 4,500.00	100.00%	\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$ 2,370.00	100.00%	\$ -
Silt Fence	9,800	LF	\$ 2.50	=	\$ 24,500.00	100.00%	\$ -
Temporary Seeding	10	AC	\$ 628.00	=	\$ 6,280.00		\$ 6,280.00
Temporary Mulch	10	AC	\$ 750.00	=	\$ 7,500.00		\$ 7,500.00
Erosion Bales	150	EA	\$ 25.00	=	\$ 3,750.00		\$ 3,750.00
Erosion Logs/Straw Waddle	100	LF	\$ 5.00	=	\$ 500.00		\$ 500.00
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -
Inlet Protection	30	EA	\$ 167.00	=	\$ 5,010.00	40.00%	\$ 3,006.00
Sediment Basin		EA	\$ 1,762.00	=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00	80.00%	\$ 180.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					\$ 17,783.50		\$ 17,783.50
* Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 60% COMPLETE ALLOWED)							
Section 1 Subtotal					\$ 271,343.50		\$ 97,249.50
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1	LS	\$ 7,500.00	=	\$ 7,500.00		\$ 7,500.00
Aggregate Base Course (135 lbs/cf)	13,092	Tons	\$ 28.00	=	\$ 366,576.00		\$ 366,576.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	7,184	SY	\$ 19.00	=	\$ 136,487.26		\$ 136,487.26
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	=	\$ -		\$ -
Raised Median, Paved	7,850	SF	\$ 8.00	=	\$ 62,800.00		\$ 62,800.00
Regulatory Sign/Advisory Sign	38	EA	\$ 300.00	=	\$ 11,400.00		\$ 11,400.00
Guide/Street Name Sign	12	EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 200.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	5,600	LF	\$ 30.00	=	\$ 168,000.00		\$ 168,000.00
Curb and Gutter, Type B (Median)	420	LF	\$ 30.00	=	\$ 12,600.00		\$ 12,600.00
Curb and Gutter, Type C (Ramp)	13,564	LF	\$ 30.00	=	\$ 406,920.00		\$ 406,920.00
4" Sidewalk (common areas only)	140	SY	\$ 48.00	=	\$ 6,720.00		\$ 6,720.00
5" Sidewalk	2,282	SY	\$ 60.00	=	\$ 136,920.00		\$ 136,920.00
6" Sidewalk	0	SY	\$ 72.00	=	\$ -		\$ -
8" Sidewalk	0	SY	\$ 96.00	=	\$ -		\$ -
Pedestrian Ramp	43	EA	\$ 1,150.00	=	\$ 49,450.00		\$ 49,450.00
Cross Pan, local (8" thick, 6' wide to include return)	170	LF	\$ 61.00	=	\$ 10,370.00		\$ 10,370.00
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	=	\$ -		\$ -

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						% Complete	Remaining
[insert items not listed but part of construction plans]							
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)	0	LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	824	LF	\$ 65.00	=	\$ 53,553.50		\$ 53,553.50
24" Reinforced Concrete Pipe	2,482	LF	\$ 78.00	=	\$ 193,590.54		\$ 193,590.54
30" Reinforced Concrete Pipe	2,535	LF	\$ 97.00	=	\$ 245,877.54		\$ 245,877.54
36" Reinforced Concrete Pipe	57	LF	\$ 120.00	=	\$ 6,862.80		\$ 6,862.80
42" Reinforced Concrete Pipe	1,047	LF	\$ 160.00	=	\$ 167,491.20		\$ 167,491.20
48" Reinforced Concrete Pipe	1,779	LF	\$ 195.00	=	\$ 346,830.90		\$ 346,830.90
54" Reinforced Concrete Pipe	0	LF	\$ 245.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe	0	LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe	0	LF	\$ 332.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe	0	LF	\$ 380.00	=	\$ -		\$ -
18" Corrugated Steel Pipe	0	LF	\$ 84.00	=	\$ -		\$ -
24" Corrugated Steel Pipe	0	LF	\$ 96.00	=	\$ -		\$ -
30" Corrugated Steel Pipe	0	LF	\$ 122.00	=	\$ -		\$ -
36" Corrugated Steel Pipe	0	LF	\$ 147.00	=	\$ -		\$ -
42" Corrugated Steel Pipe	0	LF	\$ 168.00	=	\$ -		\$ -
48" Corrugated Steel Pipe	0	LF	\$ 178.00	=	\$ -		\$ -
54" Corrugated Steel Pipe	0	LF	\$ 260.00	=	\$ -		\$ -
60" Corrugated Steel Pipe	0	LF	\$ 280.00	=	\$ -		\$ -
66" Corrugated Steel Pipe	0	LF	\$ 340.00	=	\$ -		\$ -
72" Corrugated Steel Pipe	0	LF	\$ 400.00	=	\$ -		\$ -
78" Corrugated Steel Pipe	0	LF	\$ 460.00	=	\$ -		\$ -
84" Corrugated Steel Pipe	0	LF	\$ 550.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 24 (unit cost = 6x pipe unit cost)	2	EA	\$ 468.00	=	\$ 936.00		\$ 936.00
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 = (unit cost = 6x pipe unit cost)	0	EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	4	EA	\$ 5,542.00	=	\$ 22,168.00		\$ 22,168.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	6	EA	\$ 7,188.00	=	\$ 43,128.00		\$ 43,128.00
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'	0	EA	\$ 8,345.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'	4	EA	\$ 7,627.00	=	\$ 30,508.00		\$ 30,508.00
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	15	EA	\$ 7,861.00	=	\$ 117,915.00		\$ 117,915.00
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'	0	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'	0	EA	\$ 11,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'	0	EA	\$ 10,570.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'	0	EA	\$ 11,667.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'	1	EA	\$ 4,640.00	=	\$ 4,640.00		\$ 4,640.00
Grated Inlet (Type D), Depth < 5'	0	EA	\$ 5,731.00	=	\$ -		\$ -
Type 1 manhole, 5' ≤ Depth < 10'	8	EA	\$ 5,000.00	=	\$ 40,000.00		\$ 40,000.00
Type 1 manhole, 10' ≤ Depth < 15'	8	EA	\$ 5,000.00	=	\$ 40,000.00		\$ 40,000.00
Type 2 manhole, Depth < 5'	3	EA	\$ 4,000.00	=	\$ 12,000.00		\$ 12,000.00
Type 2 manhole, 5' ≤ Depth < 10'	12	EA	\$ 4,000.00	=	\$ 48,000.00		\$ 48,000.00
Type 2 manhole, 10' ≤ Depth < 15'	5	EA	\$ 4,000.00	=	\$ 20,000.00		\$ 20,000.00
Storm Sewer Manhole, Box Base	0	EA	\$ 11,627.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base	0	EA	\$ 6,395.00	=	\$ -		\$ -
Geotextile (Erosion Control)	0	SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	0	Tons	\$ 80.00	=	\$ -		\$ -
Rip Rap, Grouled	0	Tons	\$ 95.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)	0	LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete	134	CY	\$ 570.00	=	\$ 76,266.00		\$ 76,266.00
Drainage Channel Lining, Rip Rap	0	CY	\$ 112.00	=	\$ -		\$ -
Drainage Channel Lining, Grass	0	AC	\$ 1,469.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization	0			=	\$ -		\$ -
Concrete Forebays	166	CY	\$ 570.00	=	\$ 94,842.30		\$ 94,842.30
[insert items not listed but part of construction plans]							
Section 2 Subtotal				=	\$ 2,971,250.04		\$ 2,971,250.04

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

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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	\$ 64.00	=	\$		\$
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$		\$
Gate Valves, 8"		EA	\$ 1,858.00	=	\$		\$
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,597.00	=	\$		\$
Water Service Line Installation, inc. tap and valves		EA	\$ 1,324.00	=	\$		\$
Fire Cistern Installation, complete		EA		=	\$		\$
Water Main Pipe (PVC), Size 12"		LF	\$ 84.00	=	\$		\$
Gate Valves 12"		EA	\$ 2,450.00	=	\$		\$
[insert items not listed but part of construction plans]				=	\$		\$
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 94.00	=	\$		\$
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,575.00	=	\$		\$
Sanitary Service Line Installation, complete		EA	\$ 1,516.00	=	\$		\$
Sanitary Sewer Lift Station, complete		EA		=	\$		\$
[insert items not listed but part of construction plans]				=	\$		\$
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$		\$
		EA		=	\$		\$
		EA		=	\$		\$
		EA		=	\$		\$
		EA		=	\$		\$
Section 3 Subtotal				=	\$		\$

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

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Trails at Aspen Ridge Filing One	7/2/2019	SF192
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	=	\$	-	\$
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	=	\$	-	\$
Total Construction Financial Assurance						\$ 3,242,593.54
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 3,068,499.54
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 633,900.01
(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 Construction Documents associated with the Project.

Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Date

Date