

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

Updated: 10/2023

PROJECT INFORMATION		
Trails at Aspen Ridge Filing No. 3 - Phase 2	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	99862.	CY	\$ 2.50	= \$ 249,655.00	80.00%	\$ 49,931.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
*Permanent Erosion Control Blanket						
		SY	\$ 9.00	= \$ -		\$ -
*Permanent Seeding (inc. noxious weed mgmt.) & Mulching						
		AC	\$ 2,018.00	= \$ -		\$ -
*Permanent Pond/BMP (provide engineer's estimate)						
		EA		= \$ -		\$ -
*Permanent Pond/BMP (Outlet Structure - Micropool)						
		EA		= \$ -		\$ -
*Permanent Pond/BMP (Forebay)						
		EA		= \$ -		\$ -
*Permanent Pond/BMP (Concrete Low Flow Channel)						
		CY		= \$ -		\$ -
*Permanent Pond/BMP Rip Rap (d50 size from 6" to 24")						
		Tons		= \$ -		\$ -
Concrete Washout Basin	1.	EA	\$ 1,172.00	= \$ 1,172.00	80.00%	\$ 234.40
Inlet Protection	4.	EA	\$ 217.00	= \$ 868.00		\$ 868.00
Rock Check Dam		EA	\$ 651.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Sediment Basin	1.	EA	\$ 2,294.00	= \$ 2,294.00	80.00%	\$ 458.80
Sediment Trap		EA	\$ 538.00	= \$ -		\$ -
Silt Fence		LF	\$ 3.00	= \$ -		\$ -
Slope Drain		LF	\$ 43.00	= \$ -		\$ -
Straw Bale		EA	\$ 33.00	= \$ -		\$ -
Straw Wattle/Rock Sock	2511.	LF	\$ 8.00	= \$ 20,088.00		\$ 20,088.00
Surface Roughening		AC	\$ 269.00	= \$ -		\$ -
Temporary Erosion Control Blanket	565.	SY	\$ 3.00	= \$ 1,695.00		\$ 1,695.00
Temporary Seeding and Mulching	7.1	AC	\$ 1,793.00	= \$ 12,730.30		\$ 12,730.30
Vehicle Tracking Control	2.	EA	\$ 3,085.00	= \$ 6,170.00		\$ 6,170.00
Outlet Protection		EA	\$ 200.00	= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>						
MAINTENANCE (35% of Construction BMPs)				= \$ 15,345.86		\$ 15,345.86
Section 1 Subtotal				= \$ 310,018.16		\$ 107,521.36

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)	1905.	CY	\$ 66.00	= \$ 125,730.00		\$ 125,730.00
Asphalt Pavement (3" thick)		SY	\$ 18.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	4560.	SY	\$ 25.00	= \$ 114,000.00		\$ 114,000.00
Asphalt Pavement (6" thick)		SY	\$ 38.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) .5" thick	1250.	Tons	\$ 114.00	= \$ 142,500.00		\$ 142,500.00
Raised Median, Paved		SF	\$ 11.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	4.	EA	\$ 392.00	= \$ 1,568.00		\$ 1,568.00
Guide/Street Name Sign	8.	EA	\$ 250.00	= \$ 2,000.00		\$ 2,000.00
Epoxy Pavement Marking		SF	\$ 17.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 30.00	= \$ -		\$ -
Barricade - Type 3	6.	EA	\$ 259.00	= \$ 1,554.00		\$ 1,554.00
Delineator - Type I		EA	\$ 31.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	349.	LF	\$ 38.00	= \$ 13,262.00		\$ 13,262.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	2167.	LF	\$ 38.00	= \$ 82,346.00		\$ 82,346.00
4" Sidewalk (common areas only)		SY	\$ 62.00	= \$ -		\$ -
5" Sidewalk	17.	SY	\$ 77.00	= \$ 1,309.00		\$ 1,309.00
6" Sidewalk		SY	\$ 94.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 125.00	= \$ -		\$ -
Pedestrian Ramp		EA	\$ 1,496.00	= \$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)	75.	LF	\$ 79.00	= \$ 5,925.00		\$ 5,925.00
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)		EA		= \$ -		\$ -

PROJECT INFORMATION

Trails at Aspen Ridge Filing No. 3 - Phase 2

4/16/2024

SF-21-022

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Underdrain Contingency <i>[insert items not listed but part of construction plans]</i>	52.	EA	\$ 2,175.00	=	\$ 113,100.00		\$ 113,100.00
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF	\$ 150.00	=	\$ -		\$ -
18" Reinforced Concrete Pipe	432.	LF	\$ 82.00	=	\$ 35,424.00		\$ 35,424.00
24" Reinforced Concrete Pipe		LF	\$ 98.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 151.00	=	\$ -		\$ -
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 = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
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'		EA	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤Depth < 10'	3.	EA	\$ 9,377.00	=	\$ 28,131.00		\$ 28,131.00
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'	3.	EA	\$ 10,230.00	=	\$ 30,690.00		\$ 30,690.00
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	1.	EA	\$ 15,130.00	=	\$ 15,130.00		\$ 15,130.00
Storm Sewer Manhole, Slab Base	3.	EA	\$ 8,322.00	=	\$ 24,966.00		\$ 24,966.00
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	192.	LF	\$ 150.00	=	\$ 28,800.00		\$ 28,800.00
38"x24" HERCP	320.	LF	\$ 200.00	=	\$ 64,000.00		\$ 64,000.00
45"x29" HERCP	104.	LF	\$ 250.00	=	\$ 26,000.00		\$ 26,000.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<i>* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 30% COMPLETE ALLOWED)</i>							
Section 2 Subtotal				=	\$ 856,435.00		\$ 856,435.00

PROJECT INFORMATION

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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								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	1408.	LF	\$ 84.00	=	\$ 118,272.00		\$ 118,272.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 8"	6.	EA	\$ 2,418.00	=	\$ 14,508.00		\$ 14,508.00	
Fire Hydrant Assembly, w/ all valves	2.	EA	\$ 8,584.00	=	\$ 17,168.00		\$ 17,168.00	
Water Service Line Installation, inc. tap and valves	52.	EA	\$ 1,723.00	=	\$ 89,596.00		\$ 89,596.00	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
<i>Pumphouse</i>		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	\$ 9,000.00	=	\$ -		\$ -	
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"	1280.	LF	\$ 84.00	=	\$ 107,520.00		\$ 107,520.00	
Sanitary Sewer Manhole, Depth < 15 feet	5.	EA	\$ 5,708.00	=	\$ 28,540.00		\$ 28,540.00	
Sanitary Service Line Installation, complete	52.	EA	\$ 1,825.00	=	\$ 94,900.00		\$ 94,900.00	
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		EA	\$ 400.00	=	\$ -		\$ -	
Evergreen Trees		EA	\$ 400.00	=	\$ -		\$ -	
Ornamental Trees		EA	\$ 325.00	=	\$ -		\$ -	
Soil Amendments		SF	\$ 0.50	=	\$ -		\$ -	
Sod		SF	\$ 0.50	=	\$ -		\$ -	
Native Seed		SF	\$ 0.60	=	\$ -		\$ -	
1 1/2" Rock		SF	\$ 0.75	=	\$ -		\$ -	
Steel Edge		EA	\$ 3.00	=	\$ -		\$ -	
Weed Barrier Fabric		SF	\$ 0.25	=	\$ -		\$ -	
Irrigation		SF	\$ 1.00	=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 470,504.00		\$ 470,504.00

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

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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						\$ 1,658,957.16
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 1,456,460.36
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 221,218.00
(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