

Add the quantities from the early grading FAE which was included in the previous submittal.

Unresolved. See snippet below. Also add quantities for the permanent seeding & mulching.

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

<b>PROJECT INFORMATION</b>	
Paintbrush Hills Filing No. 14	3/15/2021
Project Name	Date

Description	Quantity	Units	Unit Cost	
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>				
* 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.)		AC	\$ 800.00	=
* Mulching		AC	\$ 750.00	=
* Permanent Erosion Control Blanket		SY	\$ 6.00	=
* Permanent Pond/BMP Construction	1	EA	\$ 20,000.00	=
* Permanent Pond/BMP (Spillway)		EA		=
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 15,000.00	=
Safety Fence		LF	\$ 3.00	=
Temporary Erosion Control Blanket		SY	\$ 3.00	=
Vehicle Tracking Control		EA	\$ 2,370.00	=
Silt Fence	4,822	LF	\$ 2.50	=
Temporary Seeding		AC	\$ 628.00	=
Temporary Mulch		AC	\$ 750.00	=
Erosion Bales	50	EA	\$ 25.00	=
Erosion Logs/Straw Waddle		LF	\$ 5.00	=
Rock Check Dams		EA	\$ 500.00	=
Inlet Protection	14	EA	\$ 167.00	=
Sediment Basin		EA	\$ 1,762.00	=
Concrete Washout Basin	1	EA	\$ 900.00	=
				=
				=
<i>[insert items not listed but part of construction plans]</i>				

Description	Quantity
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>	
* Earthwork	
less than 1,000; \$5,300 min	
1,000-5,000; \$8,000 min	
5,001-20,000; \$30,000 min	
20,001-50,000; \$100,000 min	32,866
50,001-200,000; \$175,000 min	
greater than 200,000; \$500,000 min	
* Permanent Seeding (inc. noxious weed mgmnt.)	
* Mulching	
* Permanent Erosion Control Blanket	
* Permanent Pond/BMP Construction	
* Permanent Pond/BMP (Spillway)	
* Permanent Pond/BMP (Outlet Structure)	
Safety Fence	
Temporary Erosion Control Blanket	
Vehicle Tracking Control	2
Silt Fence	
Temporary Seeding	72
Temporary Mulch	72
Erosion Bales	48
Erosion Logs/Straw Waddle	
Rock Check Dams	
Inlet Protection	
Sediment Basin	8
Concrete Washout Basin	
<i>[insert items not listed but part of construction plans]</i>	

<b>MAINTENANCE (35% of Construction BMPs)</b>		\$ 5,790.05	\$ 5,790.05
<b>Section 1 Subtotal</b>		<b>\$ 57,333.05</b>	<b>\$ 57,333.05</b>

**SECTION 2 - PUBLIC IMPROVEMENTS \***

Description	Quantity	Units	Unit Cost			
<b>ROADWAY IMPROVEMENTS</b>						
Construction Traffic Control	1	LS	\$ 3,000.00	=	\$ 3,000.00	\$ 3,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -	\$ -
Aggregate Base Course (135 lbs/cf)	8,437	CY	\$ 50.00	=	\$ 421,850.00	\$ 421,850.00
Asphalt Pavement (3" thick)	37,782	SY	\$ 14.00	=	\$ 528,948.00	\$ 528,948.00
Asphalt Pavement (4" thick)		SY	\$ 19.00	=	\$ -	\$ -
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -	\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	=	\$ -	\$ -
Raised Median, Paved		SF	\$ 8.00	=	\$ -	\$ -
Regulatory Sign/Advisory Sign	14	EA	\$ 300.00	=	\$ 4,200.00	\$ 4,200.00
Guide/Street Name Sign	26	EA	\$ 250.00	=	\$ 6,500.00	\$ 6,500.00
Epoxy Pavement Marking (Londonderry stripping)	74	SF	\$ 13.00	=	\$ 962.00	\$ 962.00
Thermoplastic Pavement Marking (Londonderry ped.)	192	SF	\$ 23.00	=	\$ 4,416.00	\$ 4,416.00
Barricade - Type 3 Bars/direction Arrows		EA	\$ 200.00	=	\$ -	\$ -
Delineator - Type I		EA	\$ 24.00	=	\$ -	\$ -
Curb and Gutter, Type A (6" Vertical)	5,233	LF	\$ 30.00	=	\$ 156,990.00	\$ 156,990.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -	\$ -
Curb and Gutter, Type C (Ramp)	16,550	LF	\$ 30.00	=	\$ 496,500.00	\$ 496,500.00
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -	\$ -
5" Sidewalk	12,866	SY	\$ 60.00	=	\$ 771,960.00	\$ 771,960.00
5" Sidewalk (Londonderry/Keating/Rockingham)	287	SY	\$ 60.00	=	\$ 17,220.00	\$ 17,220.00
6" Sidewalk		SY	\$ 72.00	=	\$ -	\$ -
8" Sidewalk		SY	\$ 96.00	=	\$ -	\$ -
Pedestrian Ramp	76	EA	\$ 1,150.00	=	\$ 87,400.00	\$ 87,400.00
Pedestrian Ramp (Londonderry/Keating/Rockingham)	4	EA	\$ 1,150.00	=	\$ 4,600.00	\$ 4,600.00
Cross Pan, local (8" thick, 6' wide to include return)	270	LF	\$ 61.00	=	\$ 16,470.00	\$ 16,470.00
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**

Paintbrush Hills Filing No. 14

3/15/2021

SF2024

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
				= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>						
Concrete Box Culvert (M Standard), Size ( W x H )		LF		= \$ -		\$ -
18" Reinforced Concrete Pipe	187	LF	\$ 65.00	= \$ 12,155.00		\$ 12,155.00
24" Reinforced Concrete Pipe	90	LF	\$ 78.00	= \$ 7,020.00		\$ 7,020.00
30" Reinforced Concrete Pipe	429	LF	\$ 97.00	= \$ 41,613.00		\$ 41,613.00
36" Reinforced Concrete Pipe	304	LF	\$ 120.00	= \$ 36,480.00		\$ 36,480.00
42" Reinforced Concrete Pipe	270	LF	\$ 160.00	= \$ 43,200.00		\$ 43,200.00
48" Reinforced Concrete Pipe	2,423	LF	\$ 195.00	= \$ 472,485.00		\$ 472,485.00
54" Reinforced Concrete Pipe	183	LF	\$ 245.00	= \$ 44,835.00		\$ 44,835.00
60" Reinforced Concrete Pipe	163	LF	\$ 288.00	= \$ 46,944.00		\$ 46,944.00
66" Reinforced Concrete Pipe	114	LF	\$ 332.00	= \$ 37,848.00		\$ 37,848.00
72" Reinforced Concrete Pipe		LF	\$ 380.00	= \$ -		\$ -
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 = 18" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 245.00	= \$ 245.00		\$ 245.00
Flared End Section (FES) RCP Size = 36" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 775.00	= \$ 775.00		\$ 775.00
End Treatment- 66" Headwall	1	EA	\$ 15,000.00	= \$ 15,000.00		\$ 15,000.00
End Treatment- Wingwall		EA		= \$ -		\$ -
End Treatment - Cutoff Wall		EA		= \$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	1	EA	\$ 5,542.00	= \$ 5,542.00		\$ 5,542.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00	= \$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'	2	EA	\$ 7,627.00	= \$ 15,254.00		\$ 15,254.00
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7,861.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	8	EA	\$ 9,918.00	= \$ 79,344.00		\$ 79,344.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 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'	1	EA	\$ 4,640.00	= \$ 4,640.00		\$ 4,640.00
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	= \$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	= \$ -		\$ -
Storm Sewer Manhole, Slab Base	13	EA	\$ 6,395.00	= \$ 83,135.00		\$ 83,135.00
Geotextile (Erosion Control)		SY	\$ 6.00	= \$ -		\$ -
Rip Rap Type L	27	CY	\$ 50.00	= \$ 1,350.00		\$ 1,350.00
Rip Rap Type M	384	CY	\$ 65.00	= \$ 24,960.00		\$ 24,960.00
Drainage EDB Pond		EA	\$ 20,000.00	= \$ -		\$ -
Drainage Pond Outlet		EA	\$ 15,000.00	= \$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	= \$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,469.00	= \$ -		\$ -
Drainage Channel Lining, Other Stabilization				= \$ -		\$ -
Curb Inlet (type R) L=20'	2	EA	\$ 8,000.00	= \$ 16,000.00		\$ 16,000.00
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
<b>Section 2 Subtotal</b>				<b>= \$ 3,509,841.00</b>		<b>\$ 3,509,841.00</b>

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

PROJECT INFORMATION		
Paintbrush Hills Filing No. 14	3/15/2021	SF2024
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>								
<b>ROADWAY IMPROVEMENTS</b>								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>WATER SYSTEM IMPROVEMENTS</b>								
Water Main Pipe (PVC), Size 8"	11,134	LF	\$ 64.00	=	\$ 712,576.00		\$ 712,576.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -	
Gate Valves, 8"	30	EA	\$ 1,858.00	=	\$ 55,740.00		\$ 55,740.00	
Fire Hydrant Assembly, w/ all valves	32	EA	\$ 6,597.00	=	\$ 211,104.00		\$ 211,104.00	
Water Service Line Installation, inc. tap and valves	210	EA	\$ 1,324.00	=	\$ 278,040.00		\$ 278,040.00	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>								
				=	\$ -		\$ -	
<b>SANITARY SEWER IMPROVEMENTS</b>								
Sewer Main Pipe (PVC), Size 8"	10,406	LF	\$ 64.00	=	\$ 665,984.00		\$ 665,984.00	
Sanitary Sewer Manhole, Depth < 15 feet	32	EA	\$ 4,386.00	=	\$ 140,352.00		\$ 140,352.00	
Sanitary Service Line Installation, complete	210	EA	\$ 1,402.00	=	\$ 294,420.00		\$ 294,420.00	
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>								
				=	\$ -		\$ -	
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)								
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
					<b>Section 3 Subtotal</b>	<b>= \$ 2,358,216.00</b>		<b>\$ 2,358,216.00</b>

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

**PROJECT INFORMATION**

Paintbrush Hills Filing No. 14	3/15/2021	SF2024
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	\$ 1,500.00	=	\$ 1,500.00	\$	1,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,500.00	=	\$ 1,500.00	\$	1,500.00
<b>Total Construction Financial Assurance</b>						<b>\$</b>	<b>5,928,390.05</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$</b>	<b>5,928,390.05</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
<b>Total Defect Warranty Financial Assurance</b>						<b>\$</b>	<b>708,968.20</b>
(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)

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Approved by Owner / Applicant

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Approved by El Paso County Engineer / ECM Administrator

Date

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Date