

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

SF2024

Updated: 6/7/2019

PROJECT INFORMATION		
Paintbrush Hills Filing No. 14	1/22/2021	SP206
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.)		AC	\$ 800.00			
* Mulching		AC	\$ 750.00	=	\$ -	\$ -
* 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		LF	\$ 3.00	=	\$ -	\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -	\$ -
Vehicle Tracking Control		EA	\$ 2,370.00	=	\$ -	\$ -
Silt Fence	4,659	LF	\$ 2.50	=	\$ 11,647.50	\$ 11,647.50
Temporary Seeding		AC	\$ 620.00	=	\$ -	\$ -
Temporary Mulch		AC	\$ 750.00	=	\$ -	\$ -
Erosion Bales	50	EA	\$ 25.00	=	\$ 1,250.00	\$ 1,250.00
Erosion Logs/Straw Waddle		LF	\$ -	=	\$ -	\$ -
Rock Check Dams		EA	\$ 500.00	=	\$ -	\$ -
Inlet Protection	11	EA	\$ 167.00	=	\$ 1,837.00	\$ 1,837.00
Sediment Basin		EA	\$ 1,762.00	=	\$ -	\$ -
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)				=	\$ 5,472.08	\$ 5,472.08
Section 1 Subtotal				=	\$ 21,106.58	\$ 21,106.58

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

See stormwater redline for additional comments

* - 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	\$ 28.00	=	\$ -	\$ -
Aggregate Base Course (135 lbs/cf)	6,297	CY	\$ 50.00	=	\$ -	\$ -
Asph	37,782	SY	\$ 14.00	=	\$ -	\$ -
Asph		SY	\$ 19.00	=	\$ -	\$ -
Asph		SY	\$ 29.00	=	\$ -	\$ -
Asph		Tons	\$ 88.00	=	\$ -	\$ -
Rais		SF	\$ 8.00	=	\$ -	\$ -
Reg		EA	\$ 300.00	=	\$ -	\$ -
Guide/Street Name Sign	13	EA	\$ 250.00	=	\$ -	\$ -
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)	2,232	LF	\$ 30.00	=	\$ 66,960.00	\$ 66,960.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -	\$ -
Curb and Gutter, Type C (Ramp)	8,930	LF	\$ 30.00	=	\$ -	\$ -
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -	\$ -
5" Sidewalk	13,376	SY	\$ 60.00	=	\$ -	\$ -
6" Sidewalk		SY	\$ 72.00	=	\$ -	\$ -
8" Sidewalk		SY	\$ 96.00	=	\$ -	\$ -
Pedestrian Ramp		EA	\$ 1,150.00	=	\$ -	\$ -
Cross Pan, local (8" thick, 6' wide to include return)	270	LF	\$ 61.00	=	\$ -	\$ -
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	=	\$ -	\$ -

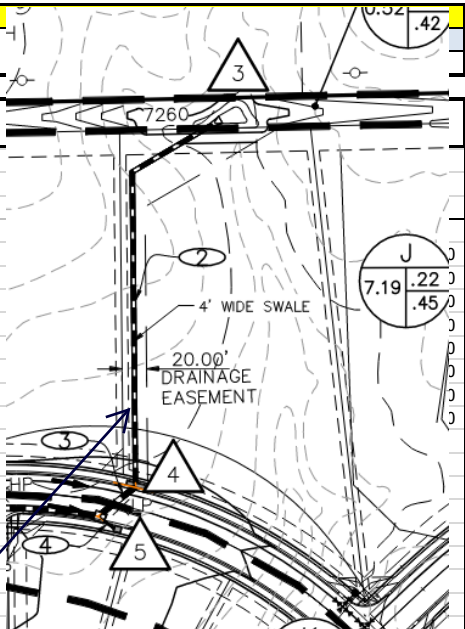
Revise. plans show 26 street name signs plus 14 stop signs

add quantities for restriping on Londonderry per the approved deviation request regarding auxiliary lanes at the Rockingham/Londonderry intersection

update for the additional offsite sidewalk along Keating, Rockingham, and Londonderry per the email correspondences on 2/22/21

PROJECT INFORMATION

Paintbrush Hills Filing No. 14 1/22/2021
 Project Name Date



Description	Quantity	Units	Unit Cost					
[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	151	LF	\$ 65.00	=	\$			
24" Reinforced Concrete Pipe	46	LF	\$ 78.00	=	\$			
30" Reinforced Concrete Pipe	674	LF	\$ 97.00	=	\$			
36" Reinforced Concrete Pipe	340	LF	\$ 120.00	=	\$			
42" Reinforced Concrete Pipe	261	LF	\$ 160.00	=	\$			
48" Reinforced Concrete Pipe	2,455	LF	\$ 195.00	=	\$			
54" Reinforced Concrete Pipe	171	LF	\$ 245.00	=	\$			
60" Reinforced Concrete Pipe	285	LF	\$ 288.00	=	\$			
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$			
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			8.00	=	\$			
54" Corrugated Steel Pipe			0.00	=	\$			
60" Corrugated Steel Pipe			0.00	=	\$			
66" Corrugated Steel Pipe			0.00	=	\$			
72" Corrugated Steel Pipe			0.00	=	\$			
78" Corrugated Steel Pipe			0.00	=	\$			
84" Corrugated Steel Pipe			0.00	=	\$			
Flared End Section (FES) RCP Size = 18"			5.00	=	\$	245.00		245.00
(unit cost = 6x pipe unit cost)								
Flared End Section (FES) CSP Size = 36"	1	EA	\$ 775.00	=	\$	775.00		775.00
(unit cost = 6x pipe unit cost)								
End Treatment- 60" 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'	3	EA	\$ 5,542.00	=	\$	16,626.00		16,626.00
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'	1	EA	\$ 7,627.00	=	\$	7,627.00		7,627.00
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'	7	EA	\$ 9,918.00	=	\$	69,426.00		69,426.00
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	1	EA	\$ 6,395.00	=	\$	6,395.00		6,395.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$	-		-
Rip Rap Type L	27	CY	\$ 50.00	=	\$	-		1,350.00
Rip Rap Type M	36	CY	\$ 65.00	=	\$	-		24,960.00
Drainage EDB Pond	1	EA	\$ 20,000.00	=	\$	-		20,000.00
Drainage Pond Outlet	1	EA	\$ 15,000.00	=	\$	-		15,000.00
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]				=	\$	-		-
[insert items not listed but part of construction plans]				=	\$	-		-
Section 2 Subtotal				=	\$	3,010,273.00		\$ 3,010,273.00

Adjust storm drain quantities to reflect the design changes discussed in the 2/24/21 meeting

move to section 1. There's line items in place on section 1 for these.

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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"	11,084	LF	\$ 64.00	=	\$ 709,376.00		\$ 709,376.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -	
Gate Valves, 8"	31	EA	\$ 1,858.00	=	\$ 57,598.00		\$ 57,598.00	
Fire Hydrant Assembly, w/ all valves	29	EA	\$ 6,597.00	=	\$ 191,313.00		\$ 191,313.00	
Water Service Line Installation, inc. tap and valves	224	EA	\$ 1,324.00	=	\$ 296,576.00		\$ 296,576.00	
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"	10,402	LF	\$ 64.00	=	\$ 665,728.00		\$ 665,728.00	
Sanitary Sewer Manhole, Depth < 15 feet	32	EA	\$ 4,386.00	=	\$ 140,352.00		\$ 140,352.00	
Sanitary Service Line Installation, complete	224	EA	\$ 1,402.00	=	\$ 314,048.00		\$ 314,048.00	
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 Subtotal	= \$ 2,374,991.00		\$ 2,374,991.00

** - 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)		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
Total Construction Financial Assurance						\$	5,409,370.58
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	5,409,370.58
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	602,054.60
(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)

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date