

# 2016 Financial Assurance Estimate Form (with pre-plat construction)

PCD Fil No. SF189

## Project Information

Paint Brush Hills Filing No. 13E

9/25/2018

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
<b>SEE SEPARATE GRADING/EROSION CONTROL FAE FOR EARLY GRADING</b>					
Earthwork*		CY	@ \$ \$5	= \$	\$ - *
Permanent Seeding* (inc. noxious weed mgmt.)		AC	@ \$ \$582	= \$	\$ - *
Mulching*		AC	@ \$ \$507	= \$	\$ - *
Permanent Erosion Control Blanket*		SY	@ \$ \$6	= \$	\$ - *
Temporary Erosion Control Blanket		SY	@ \$ \$3	= \$	\$ - *
Vehicle Tracking Control		EA	@ \$ \$1,625	= \$	\$ - *
Safety Fence		LF	@ \$ \$3	= \$	\$ - *
Silt Fence		LF	@ \$ \$4	= \$	\$ - *
Temporary Seeding		AC	@ \$ \$485	= \$	\$ - *
Temporary Mulch		AC	@ \$ \$507	= \$	\$ - *
Erosion Bales		EA	@ \$ \$21	= \$	\$ - *
Erosion Logs		LF	@ \$ \$6	= \$	\$ - *
Rock Ditch Checks		EA	@ \$	= \$	\$ - *
Inlet Protection		EA	@ \$ \$153	= \$	\$ - *
Sediment Basin		EA	@ \$ \$1,625	= \$	\$ - *
Concrete Washout Basin		EA	@ \$ \$776	= \$	\$ - *
		@	\$	= \$	\$ - *

\* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.

Section 1 Subtotal = \$ -

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
Construction Traffic Control (Along TLondonderry)	1.00	LS	@ \$ 2,000	= \$ 2,000.00	\$ 2,000.00 *
Aggregate Base Course	17,000.00	Tons	@ \$ \$18	= \$ 306,000.00	\$ 306,000.00 *
Asphalt Pavement	10,500.00	Tons	@ \$ \$65	= \$ 682,500.00	\$ 682,500.00 *
Raised Median, Paved		SF	@ \$ \$7	= \$	\$ - *
Electrical Conduit, Size =		LF	@ \$ \$14	= \$	\$ - *
Traffic Signal, complete intersection		EA	@ \$ \$250,000	= \$	\$ - *
Regulatory Sign	13.00	EA	@ \$ \$100	= \$ 1,300.00	\$ 1,300.00 *
Advisory Sign	3.00	EA	@ \$ \$100	= \$ 300.00	\$ 300.00 *
Guide/Street Name Sign	13.00	EA	@ \$ \$300	= \$ 3,900.00	\$ 3,900.00 *
Epoxy Pavement Marking		SF	@ \$ \$12	= \$	\$ - *
Thermoplastic Pavement Marking		SF	@ \$ \$22	= \$	\$ - *
Barricade - Type 3		EA	@ \$ \$115	= \$	\$ - *
Delineator (Type I)		EA	@ \$ \$21	= \$	\$ - *
Curb and Gutter, Type C (Ramp)	14,900.00	LF	@ \$ \$21	= \$ 312,900.00	\$ 312,900.00 *
Curb and Gutter, Type A (6" Vertical)	1,400.00	LF	@ \$ \$16	= \$ 22,400.00	\$ 22,400.00 *
Curb and Gutter, Type B (Median)		LF	@ \$ \$13	= \$	\$ - *
Pedestrian Ramp	350.00	SY	@ \$ \$108	= \$ 37,800.00	\$ 37,800.00 *
Cross Pan	500.00	SY	@ \$ \$53	= \$ 26,500.00	\$ 26,500.00 *
Curb Chase		EA	@ \$ \$1,300	= \$	\$ - *

Guardrail Type 3 (W-Beam)		LF	@	\$	\$18	=	\$	\$	-	*
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$	\$	-	*
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$	\$	-	*
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$	\$	-	*
Sound Barrier Fence		LF	@	\$	\$100	=	\$	\$	-	*
Concrete Sidewalk	5,600.00	SY	@	\$	\$38	=	\$	212,800.00	\$	212,800.00

**- Storm Drain Improvements**

Concrete Box Culvert (M Standard), Size ( W x H )			LF	@	\$	=	\$	\$	-	*
Reinforced Concrete Pipe (RCP)	Size		LF	@	\$	=	\$	\$	-	*
18" Reinforced Concrete Pipe		6.00	LF	@	\$ \$69	=	\$ 414.00	\$	414.00	*
24" Reinforced Concrete Pipe		890.00	LF	@	\$ \$84	=	\$ 74,760.00	\$	74,760.00	*
30" Reinforced Concrete Pipe		700.00	LF	@	\$ \$94	=	\$ 65,800.00	\$	65,800.00	*
36" Reinforced Concrete Pipe		1,130.00	LF	@	\$ \$124	=	\$ 140,120.00	\$	140,120.00	*
42" Reinforced Concrete Pipe			LF	@	\$ \$134	=	\$	\$	-	*
48" Reinforced Concrete Pipe			LF	@	\$ \$178	=	\$	\$	-	*
54" Reinforced Concrete Pipe			LF	@	\$ \$182	=	\$	\$	-	*
60" Reinforced Concrete Pipe			LF	@	\$ \$216	=	\$	\$	-	*
66" Reinforced Concrete Pipe			LF	@	\$ \$263	=	\$	\$	-	*
72" Reinforced Concrete Pipe			LF	@	\$ \$283	=	\$	\$	-	*
Corrugated Steel Pipe (CSP)	Size		LF	@	\$	=	\$	\$	-	*
18" Corrugated Steel Pipe			LF	@	\$ \$66	=	\$	\$	-	*
24" Corrugated Steel Pipe			LF	@	\$ \$96	=	\$	\$	-	*
30" Corrugated Steel Pipe			LF	@	\$ \$101	=	\$	\$	-	*
36" Corrugated Steel Pipe			LF	@	\$ \$136	=	\$	\$	-	*
42" Corrugated Steel Pipe			LF	@	\$ \$147	=	\$	\$	-	*
48" Corrugated Steel Pipe			LF	@	\$ \$169	=	\$	\$	-	*
54" Corrugated Steel Pipe			LF	@	\$ \$193	=	\$	\$	-	*
60" Corrugated Steel Pipe			LF	@	\$ \$227	=	\$	\$	-	*
66" Corrugated Steel Pipe			LF	@	\$ \$278	=	\$	\$	-	*
72" Corrugated Steel Pipe			LF	@	\$ \$330	=	\$	\$	-	*
78" Corrugated Steel Pipe			LF	@	\$ \$381	=	\$	\$	-	*
84" Corrugated Steel Pipe			LF	@	\$ \$432	=	\$	\$	-	*
Flared End Section (FES) 24" RCP	†	1.00	EA	@	\$ 600	=	\$ 600.00	\$	600.00	*
Flared End Section (FES) 36" RCP	†	1.00	EA	@	\$ 850	=	\$ 850.00	\$	850.00	*
End Treatment- Headwall		2.00	EA	@	\$ 4,000	=	\$ 8,000.00	\$	8,000.00	*
End Treatment- Wingwall			EA	@	\$	=	\$	\$	-	*
End Treatment - Cutoff Wall			EA	@	\$	=	\$	\$	-	*
Curb Inlet (Type R) L=5', Depth < 5 feet			EA	@	\$ \$3,791	=	\$	\$	-	*
Curb Inlet (Type R) L=5', 5'-10' Depth		3.00	EA	@	\$ \$5,300	=	\$ 15,900.00	\$	15,900.00	*
Curb Inlet (Type R) L =6' , 5'-10' Depth			EA	@	\$ \$6,000	=	\$	\$	-	*
Curb Inlet (Type R) L =8' , 5'-10' Depth			EA	@	\$ \$7,000	=	\$	\$	-	*
Curb Inlet (Type R) L =10' , 5'-10' Depth		5.00	EA	@	\$ \$7,500	=	\$ 37,500.00	\$	37,500.00	*
Curb Inlet (Type R) L =12' , 5'-10' Depth			EA	@	\$ \$8,300	=	\$	\$	-	*
Curb Inlet (Type R) L =15' , Depth < 5 feet		3.00	EA	@	\$ \$7,923	=	\$ 23,769.00	\$	23,769.00	*

Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$	\$8,000	=	\$	\$	-	*
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$	\$8,800	=	\$	\$	-	*
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$	\$8,000	=	\$	\$	-	*
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	\$	\$8,830	=	\$	\$	-	*
Curb Inlet (Type R) L = _____ , _____' - _____' Depth		EA	@	\$		=	\$	\$	-	*
Curb Inlet (Type R) L = _____ , _____' - _____' Depth		EA	@	\$		=	\$	\$	-	*
Grated Inlet (Type C), < 5' deep		EA	@	\$	\$3,270	=	\$	\$	-	*
Grated Inlet (Type D), < 5' deep		EA	@	\$	\$3,908	=	\$	\$	-	*
Storm Sewer Manhole, Box Base, Depth < 15 feet	6.00	EA	@	\$	\$8,592	=	\$	51,552.00	\$	51,552.00 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	6.00	EA	@	\$	\$4,575	=	\$	27,450.00	\$	27,450.00 *
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		\$	- *
Rip Rap, d50 Size from 6" to 24"	33.00	CY	@	\$	\$98	=	\$	3,234.00	\$	3,234.00 *
Rip Rap, Grouted		CY	@	\$	\$215	=	\$		\$	- *
Drainage Channel Construction, Size ( W x H )		LF	@	\$		=	\$		\$	- *
Channel Lining, Concrete		CY	@	\$	\$450	=	\$		\$	- *
Channel Lining, Rip Rap		CY	@	\$	\$98	=	\$		\$	- *
Channel Lining, Grass		AC	@	\$	\$1,287	=	\$		\$	- *
Channel Lining, Other Stabilization	200.00	SY	@	\$	\$3	=	\$	600.00	\$	600.00 *
Detention Outlet Structure		EA	@	\$		=	\$		\$	- *
Detention Emergency Spillway		EA	@	\$		=	\$		\$	- *
Permanent Water Quality Facility (Describe)		EA	@	\$		=	\$		\$	- *

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= 2,058,949.00

2,058,949.00 \*\*

Section 2 Subtotal \$

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
<b>- Storm Drain Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
<b>Detention Facility Construction (Pond D)</b>	6,000.00	CY	@	\$	\$4	=	\$ 24,000.00
Detention Outlet Structure	1.00	EA	@	\$	12,000	=	\$ 12,000.00
Detention Emergency Spillway	1.00	EA	@	\$	5,000	=	\$ 5,000.00
Rip Rap, d50 Size from 6" to 24"	152.00	CY	@	\$	\$98	=	\$ 14,896.00
Concrete Forebays	2.00	EA	@	\$	\$7,500	=	\$ 15,000.00
Concrete trickle channel / micropool	1.00	EA	@	\$	\$15,000	=	\$ 15,000.00
<b>- Landscaping (If Applicable)</b>							
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	\$	=	\$	\$ -
		EA	@	\$	=	\$	\$ -
		EA	@	\$	=	\$	\$ -
		EA	@	\$	=	\$	\$ -
		EA	@	\$	=	\$	\$ -

\*\*\*items in this section are not subject to defect warranty financial assurance

Section 3 Subtotal = \$ 85,896.00

85,896.00

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$4,000
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$2,148,845.00</b>
	(Sum of all section subtotals)	
	<b>Total Remaining Construction Financial Assurance</b>	<b>2,148,845.00</b>
	(Sum of all section totals less credit for items complete)	
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$411,789.80</b>
	(20% of all items identified as public improvements(*). 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 approved Construction Drawings associated with the Project.

Engineer

Date

Approved by Owner / Applicant

Date

**Approved**

Approved by El Paso County Engineer / CM Administrator  
by Elizabeth Nijkamp  
El Paso County Planning and Community Development  
on behalf of Jennifer Irvine, County Engineer, ECM Administrator

Date

**10/29/2018 9:44:51 AM**