

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
SEE SEPARATE GRADING/EROSION CONTROL FAE FOR EARLY GRADING					
Earthwork*		CY	@ \$ 5		\$ - *
Permanent Seeding* (inc. noxious weed mgmnt.)		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		\$ -
			@ \$		\$ -
Section 1 Subtotal					\$ -

* 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 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control (Along TLondonderry)	1.00	LS	@ \$ 2,000		\$ 2,000.00 *
Aggregate Base Course	17,000.00	Tons	@ \$ 18		\$ 306,000.00 *
Asphalt Pavement	10,500.00	Tons	@ \$ 65		\$ 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 *
Advisory Sign	3.00	EA	@ \$ 100		\$ 300.00 *
Guide/Street Name Sign	13.00	EA	@ \$ 300		\$ 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 *
Curb and Gutter, Type A (6" Vertical)	1,400.00	LF	@ \$ 16		\$ 22,400.00 *
Curb and Gutter, Type B (Median)		LF	@ \$ 13		\$ - *
Pedestrian Ramp	350.00	SY	@ \$ 108		\$ 37,800.00 *
Cross Pan	500.00	SY	@ \$ 53		\$ 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	*

- 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	*
24" Reinforced Concrete Pipe	890.00	LF	@	\$	\$84	=	\$	\$	74,760.00	*
30" Reinforced Concrete Pipe	700.00	LF	@	\$	\$94	=	\$	\$	65,800.00	*
36" Reinforced Concrete Pipe	1,130.00	LF	@	\$	\$124	=	\$	\$	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	*
Flared End Section (FES) 36" RCP	+	1.00	EA	@	\$	850	=	\$	850.00	*
End Treatment- Headwall		2.00	EA	@	\$	4,000	=	\$	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	*
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	*
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	*

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	
- Roadway Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)							
			@	\$	=	\$	
			@	\$	=	\$	
			@	\$	=	\$	
			@	\$	=	\$	
			@	\$	=	\$	
- Storm Drain Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)							
			@	\$	=	\$	
			@	\$	=	\$	
			@	\$	=	\$	
Detention Facility Construction (Pond D)	6,000.00	CY	@	\$	\$4	= \$ 24,000.00	\$ 24,000.00
Detention Outlet Structure	1.00	EA	@	\$	12,000	= \$ 12,000.00	\$ 12,000.00
Detention Emergency Spillway	1.00	EA	@	\$	5,000	= \$ 5,000.00	\$ 5,000.00
Rip Rap, d50 Size from 6" to 24"	152.00	CY	@	\$	\$98	= \$ 14,896.00	\$ 14,896.00
Concrete Forebays	2.00	EA	@	\$	\$7,500	= \$ 15,000.00	\$ 15,000.00
Concrete trickle channel / micropool	1.00	EA	@	\$	\$15,000	= \$ 15,000.00	\$ 15,000.00
- Landscaping (If Applicable)							
(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

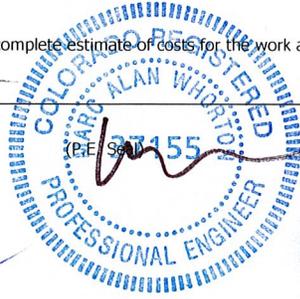
Financial Assurance Totals

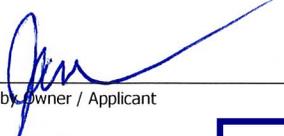
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$4,000
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$2,148,845.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	2,148,845.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$411,789.80
	(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 10/19/18



Approved by Owner / Applicant  Date 10/19/18

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



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