

2018 Financial Assurance Estimate Form  
(with pre-plat construction)

SF-18-040

Updated:5/07/18

PROJECT INFORMATION						
Hannah Ridge at Feathergrass Filing No. 7			10/23/2018			
Project Name			Date		PCD File No.	
Description	Quantity	Units	Price	Total	(with Pre-plat Construction)	
					% Complete	Remaining
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>						
* Earthwork		CY	\$ 15 =	\$ -		\$ - *
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 1,000 =	\$ -		\$ - *
* Mulching		AC	\$ 750 =	\$ -		\$ - *
* Permanent Erosion Control Blanket		SY	\$ 6 =	\$ -		\$ - *
* Permanent Pond/BMP Construction		CY	\$ 20 =	\$ -		\$ - *
* Permanent Pond/BMP (Spillway)		EA	=	\$ -		\$ - *
* Permanent Pond/BMP (Outlet Structure)		EA	=	\$ -		\$ - *
Temporary Erosion Control Blanket		SY	\$ 3 =	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,370 =	\$ -		\$ -
Safety Fence		LF	\$ 3 =	\$ -		\$ -
Silt Fence		LF	\$ 4 =	\$ -		\$ -
Temporary Seeding		AC	\$ 1,000 =	\$ -		\$ -
Temporary Mulch		AC	\$ 750 =	\$ -		\$ -
Erosion Bales		EA	\$ 25 =	\$ -		\$ -
Erosion Logs		LF	\$ 6 =	\$ -		\$ -
Rock Check Dams		EA	\$ 500 =	\$ -		\$ -
Inlet Protection		EA	\$ 167 =	\$ -		\$ -
Sediment Basin		EA	\$ 1,762 =	\$ -		\$ -
Concrete Washout Basin		EA	\$ 1,400 =	\$ -		\$ -
			=	\$ -		\$ -
[insert items not listed but part of construction plans]						
<i>See separate GEC Assurance Form prepared for Hannah Ridge at Feathergrass Filing No. 7</i>						
<b>MAINTENANCE (35% of Construction BMPs)</b>				=	\$ -	\$ -
<b>SECTION 1 SUBTOTAL</b>				=	\$ -	\$ -
* - Subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>						
<b>ROADWAY IMPROVEMENTS</b>						
Construction Traffic Control		LS	=	\$ -		\$ - *
Aggregate Base Course (135 lbs/cf)	2,796.00	Tons	\$ 30 =	\$ 83,880		\$ 83,880 *
Asphalt Pavement (147 lbs/cf)	3,044.00	Tons	\$ 88 =	\$ 267,872		\$ 267,872 *
Raised Median, Paved		SF	\$ 8 =	\$ -		\$ - *
Regulatory Sign	4.00	EA	\$ 300 =	\$ 1,200		\$ 1,200 *
Advisory Sign		EA	\$ 300 =	\$ -		\$ - *
Guide/Street Name Sign	8.00	EA	=	\$ -		\$ - *
Epoxy Pavement Marking		SF	\$ 13 =	\$ -		\$ - *
Thermoplastic Pavement Marking		SF	\$ 23 =	\$ -		\$ - *
Barricade - Type 3		EA	\$ 200 =	\$ -		\$ - *
Delineator - Type I		EA	\$ 24 =	\$ -		\$ - *
Curb and Gutter, Type A (6" Vertical)	1,080.00	LF	\$ 30 =	\$ 32,400		\$ 32,400 *
Curb and Gutter, Type B (Median)		LF	\$ 30 =	\$ -		\$ - *
Curb and Gutter, Type C (Ramp)	4,084.00	LF	\$ 30 =	\$ 122,520		\$ 122,520 *
4" Sidewalk	2,869.00	SY	\$ 55 =	\$ 157,795		\$ 157,795 *
5" Sidewalk <b>Attached walk is 5 inch</b>		SY	\$ 65 =	\$ -		\$ - *
6" Sidewalk		SY	\$ 75 =	\$ -		\$ - *

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8" sidewalk		SY	\$ 97	\$ -		\$ - *
Pedestrian Ramp	161.00	SY	\$ 175 =	\$ 28,175		\$ 28,175 *
Cross Pan	57.00	SY	\$ 90 =	\$ 5,130		\$ 5,130 *
Curb Chase		EA	\$ 1,480 =	\$ -		\$ - *
Guardrail Type 3 (W-Beam)		LF	\$ 49 =	\$ -		\$ - *
Guardrail Type 7 (Concrete)		LF	\$ 72 =	\$ -		\$ - *
Guardrail End Anchorage		EA	\$ 2,098 =	\$ -		\$ - *
Guardrail Impact Attenuator		EA	\$ 3,767 =	\$ -		\$ - *
Sound Barrier Fence		LF	\$ 114 =	\$ -		\$ - *
Electrical Conduit, Size =		LF	\$ 16 =	\$ -		\$ - *
Traffic Signal, complete intersection		EA	\$ 264,250 =	\$ -		\$ - *
[insert items not listed but part of construction plans]			=	\$ -		\$ - *
<b>STORMDRAIN IMPROVEMENTS</b>						
Concrete Box Culvert (M Standard), Size ( W x H )		LF	=	\$ -		\$ - *
18" Reinforced Concrete Pipe		LF	\$ 130 =	\$ -		\$ - *
24" Reinforced Concrete Pipe		LF	\$ 140 =	\$ -		\$ - *
30" Reinforced Concrete Pipe		LF	\$ 180 =	\$ -		\$ - *
36" Reinforced Concrete Pipe		LF	\$ 200 =	\$ -		\$ - *
42" Reinforced Concrete Pipe		LF	\$ 260 =	\$ -		\$ - *
48" Reinforced Concrete Pipe		LF	\$ 300 =	\$ -		\$ - *
54" Reinforced Concrete Pipe		LF	\$ 340 =	\$ -		\$ - *
60" Reinforced Concrete Pipe		LF	\$ 350 =	\$ -		\$ - *
66" Reinforced Concrete Pipe		LF	\$ 400 =	\$ -		\$ - *
72" Reinforced Concrete Pipe		LF	\$ 420 =	\$ -		\$ - *
18" Corrugated Steel Pipe		LF	\$ 120 =	\$ -		\$ - *
24" Corrugated Steel Pipe		LF	\$ 140 =	\$ -		\$ - *
30" Corrugated Steel Pipe		LF	\$ 180 =	\$ -		\$ - *
36" Corrugated Steel Pipe		LF	\$ 220 =	\$ -		\$ - *
42" Corrugated Steel Pipe		LF	\$ 230 =	\$ -		\$ - *
48" Corrugated Steel Pipe		LF	\$ 240 =	\$ -		\$ - *
54" Corrugated Steel Pipe		LF	\$ 260 =	\$ -		\$ - *
60" Corrugated Steel Pipe		LF	\$ 280 =	\$ -		\$ - *
66" Corrugated Steel Pipe		LF	\$ 340 =	\$ -		\$ - *
72" Corrugated Steel Pipe		LF	\$ 400 =	\$ -		\$ - *
78" Corrugated Steel Pipe		LF	\$ 460 =	\$ -		\$ - *
84" Corrugated Steel Pipe		LF	\$ 550 =	\$ -		\$ - *
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA	=	\$ -		\$ - *
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA	=	\$ -		\$ - *
End Treatment- Headwall		EA	=	\$ -		\$ - *
End Treatment- Wingwall		EA	=	\$ -		\$ - *
End Treatment - Cutoff Wall		EA	=	\$ -		\$ - *
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	\$ 5,542 =	\$ -		\$ - *
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	\$ 7,188 =	\$ -		\$ - *
Curb Inlet (Type R) L =5', 10'-15' Depth		EA	\$ 8,345 =	\$ -		\$ - *
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	\$ 7,627 =	\$ -		\$ - *
Curb Inlet (Type R) L =10', 5'-10' Depth		EA	\$ 7,861 =	\$ -		\$ - *
Curb Inlet (Type R) L =10', 10'-15' Depth		EA	\$ 9,841 =	\$ -		\$ - *
Curb Inlet (Type R) L =15', Depth < 5 feet		EA	\$ 9,918 =	\$ -		\$ - *
Curb Inlet (Type R) L =15', 5'-10' Depth		EA	\$ 10,633 =	\$ -		\$ - *

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Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	\$ 11,627	= \$ -		\$ - *
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	\$ 10,570	= \$ -		\$ - *
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	\$ 11,667	= \$ -		\$ - *
Grated Inlet (Type C), < 5' deep		EA	\$ 4,640	= \$ -		\$ - *
Grated Inlet (Type D), < 5' deep		EA	\$ 5,731	= \$ -		\$ - *
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	\$ 11,627	= \$ -		\$ - *
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	\$ 6,395	= \$ -		\$ - *
Geotextile (Erosion Control)		SY	\$ 6	= \$ -		\$ - *
Rip Rap, d50 Size from 6" to 24"		CY	\$ 93	= \$ -		\$ - *
Rip Rap, Grouted		CY	\$ 227	= \$ -		\$ - *
Drainage Channel Construction, Size ( W x H )		LF		= \$ -		\$ - *
Drainage Channel Lining, Concrete		CY	\$ 570	= \$ -		\$ - *
Drainage Channel Lining, Rip Rap		CY	\$ 112	= \$ -		\$ - *
Drainage Channel Lining, Grass		AC	\$ 1,469	= \$ -		\$ - *
Drainage Channel Lining, Other Stabilization				= \$ -		\$ - *
				= \$ -		\$ - *
				= \$ -		\$ - *
[insert items not listed but part of construction plans]				= \$ -		\$ - *
* - Subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)				<b>Section 2 Subtotal = \$</b>	<b>698,972</b>	<b>\$ 698,972 *</b>

**SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT maintained by EPC)\*\***

**ROADWAY IMPROVEMENTS**

				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -

**STORMDRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)**

				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -

**WATER SYSTEM IMPROVEMENTS**

Water Main Pipe (PVC), Size 8"	1,459.00	LF	\$ 99	= \$ 144,441		\$ 144,441
Water Main Pipe (PVC), Size 12"	1,092.00	LF	\$ 145	= \$ 158,340		\$ 158,340
Gate Valves, 8"	5.00	EA	\$ 1,958	= \$ 9,790		\$ 9,790
Gate Valves, 12"	6.00					
Fire Hydrant Assembly w/ all valves	5.00	EA	\$ 6,797	= \$ 33,985		\$ 33,985
Water Service Line Installation, inc. tap and valves	77.00	EA	\$ 1,324	= \$ 101,948		\$ 101,948
Fire Cistern Installation, complete		EA		= \$ -		\$ -
				= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -

**SANITARY SEWER IMPROVEMENTS**

Sewer Main Pipe (PVC), Size 8"	2,178.00	LF	\$ 99	= \$ 215,622		\$ 215,622
Sanitary Sewer Manhole, Depth < 15 feet	4.00	EA	\$ 4,386	= \$ 17,544		\$ 17,544
Sanitary Service Line Installation, complete	77.00	EA	\$ 1,602	= \$ 123,354		\$ 123,354
Sanitary Sewer Lift Station, complete		EA		= \$ -		\$ -
				= \$ -		\$ -

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					% Complete	Remaining
[insert items not listed but part of construction plans]			= \$	-		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)						
		EA	= \$	-		\$ -
		EA	= \$	-		\$ -
		EA	= \$	-		\$ -
		EA	= \$	-		\$ -
		EA	= \$	-		\$ -
				<b>Section 3 Subtotal = \$</b>	<b>805,024</b>	<b>\$ 805,024</b>

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

AS-BUILTS (Public Improvements)		LS	= \$	-		\$ -
Pond Verification (survey to verify pond volumes)		LS	= \$	-		\$ -

**Total Construction Financial Assurance \$ 1,503,996**

(Sum of all section subtotals plus as-builts and pond verification)

**Total Remaining Construction Financial Assurance (with pre-plat construction) \$ 1,503,996**

(Sum of all section totals less credit for items complete plus as-builts and pond verification)

**Total Defect Warranty Financial Assurance \$ 139,794**

(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 approved Construction Drawings associated with the Project.

\_\_\_\_\_  
Engineer (P.E. Seal Required)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Approved by Owner / Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Approved by El Paso County Engineer / ECM Administrator

\_\_\_\_\_  
Date

# Markup Summary

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Steve Kuhster (2)

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SF-18-040

**Subject:** text box  
**Page Label:** 1  
**Author:** Steve Kuhster  
**Date:** 11/20/2018 8:56:57 AM  
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SF-18-040

isbr - Type 1  
and Gutter, Type A (8" Vertical)  
and Gutter, Type B (Median)  
and Gutter, Type C (Ramp)  
isbrk  
isbrk Attached walk is 5 inch  
isbrk

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**Subject:** text box  
**Page Label:** 1  
**Author:** Steve Kuhster  
**Date:** 11/20/2018 8:58:11 AM  
**Color:** ■

Attached walk is 5 inch