

This is labeled as Filing No. 6 and evidently uploaded in the Filing No. 5 file. Please remove.

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

Updated:5/07/18

PROJECT INFORMATION						
Hannah Ridge at Feathergrass Filing No. 6			12/21/2018		SF-18-039	
Project Name			Date		PCD File No.	
Description	Quantity	Units	Price	Total	(with Pre-plat Construction)	
					% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)						
* 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	3.00	EA	\$ 2,370 =	\$ 7,110		\$ 7,110
Safety Fence		LF	\$ 3 =	\$ -		\$ -
Silt Fence	1,600.00	LF	\$ 4 =	\$ 6,400		\$ 6,400
Temporary Seeding	7.94	AC	\$ 1,000 =	\$ 7,940		\$ 7,940
Temporary Mulch	7.94	AC	\$ 750 =	\$ 5,955		\$ 5,955
Erosion Bales	8.00	EA	\$ 25 =	\$ 200		\$ 200
Erosion Logs		LF	\$ 6 =	\$ -		\$ -
Rock Check Dams		EA	\$ 500 =	\$ -		\$ -
Inlet Protection		EA	\$ 167 =	\$ -		\$ -
Sediment Basin	3.00	EA	\$ 1,762 =	\$ 5,286		\$ 5,286
Concrete Washout Basin	1.00	EA	\$ 1,400 =	\$ 1,400		\$ 1,400
			=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>						
			=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$	12,002	\$ 12,002
SECTION 1 SUBTOTAL				= \$	46,293	\$ 46,293
SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS	=	\$ -		\$ - *
Aggregate Base Course (135 lbs/cf)	937.00	Tons	\$ 30 =	\$ 28,110		\$ 28,110 *
Asphalt Pavement (147 lbs/cf)	1,337.00	Tons	\$ 88 =	\$ 117,656		\$ 117,656 *
Raised Median, Paved		SF	\$ 8 =	\$ -		\$ - *
Regulatory Sign	1.00	EA	\$ 300 =	\$ 300		\$ 300 *
Advisory Sign		EA	\$ 300 =	\$ -		\$ - *
Guide/Street Name Sign	2.00	EA	300.00 =	\$ 600		\$ 600 *
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)	431.00	LF	\$ 30 =	\$ 12,930		\$ 12,930 *
Curb and Gutter, Type B (Median)		LF	\$ 30 =	\$ -		\$ - *
Curb and Gutter, Type C (Ramp)	1,680.00	LF	\$ 30 =	\$ 50,400		\$ 50,400 *
4" Sidewalk		SY	\$ 55 =	\$ -		\$ - *
5" Sidewalk	1,294.00	SY	\$ 65 =	\$ 84,110		\$ 84,110 *
6" Sidewalk		SY	\$ 75 =	\$ -		\$ - *

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8" sidewalk		SY	\$ 97	\$ -		\$ - *
Pedestrian Ramp	70.00	SY	\$ 175 =	\$ 12,250		\$ 12,250 *
Cross Pan		SY	\$ 90 =	\$ -		\$ - *
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]			=	\$ -		\$ - *
STORMDRAIN IMPROVEMENTS						
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)

Section 2 Subtotal = \$ 352,649 \$ 352,649 *

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"	582.00	LF	\$ 99	= \$ 57,618		\$ 57,618
Water Main Pipe (PVC), Size 12"	568.00	LF	\$ 145	= \$ 82,360		\$ 82,360
Gate Valves, 8"	3.00	EA	\$ 1,958	= \$ 5,874		\$ 5,874
Gate Valves, 12"	2.00					
Fire Hydrant Assembly w/ all valves	2.00	EA	\$ 6,797	= \$ 13,594		\$ 13,594
Water Service Line Installation, inc. tap and valves	34.00	EA	\$ 1,324	= \$ 45,016		\$ 45,016
Fire Cistern Installation, complete		EA		= \$ -		\$ -
				= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -

SANITARY SEWER IMPROVEMENTS

Sewer Main Pipe (PVC), Size 8"	1,015.00	LF	\$ 99	= \$ 100,485		\$ 100,485
Sanitary Sewer Manhole, Depth < 15 feet	4.00	EA	\$ 4,386	= \$ 17,544		\$ 17,544
Sanitary Service Line Installation, complete	33.00	EA	\$ 1,602	= \$ 52,866		\$ 52,866
Sanitary Sewer Lift Station, complete		EA		= \$ -		\$ -
				= \$ -		\$ -

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					% Complete	Remaining
<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 =				\$ 375,357		\$ 375,357

** - 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 \$ 774,299

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

Total Remaining Construction Financial Assurance (with pre-plat construction) \$ 774,299

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

Total Defect Warranty Financial Assurance \$ 70,530

(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

Steve Kuehster (1)



Subject: text box
Page Label: 1
Author: Steve Kuehster
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