

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

Updated:5/07/18

PROJECT INFORMATION						
Hannah Ridge at Feathergrass Filing No. 7			12/21/2018		SF-18-040	
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 mgmt.)		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	2.00	EA	\$ 2,370	= \$ 4,740		\$ 4,740
Safety Fence		LF	\$ 3	= \$ -		\$ -
Silt Fence	1,000.00	LF	\$ 4	= \$ 4,000		\$ 4,000
Temporary Seeding	15.40	AC	\$ 1,000	= \$ 15,400		\$ 15,400
Temporary Mulch	15.40	AC	\$ 750	= \$ 11,550		\$ 11,550
Erosion Bales	10.00	EA	\$ 25	= \$ 250		\$ 250
Erosion Logs		LF	\$ 6	= \$ -		\$ -
Rock Check Dams		EA	\$ 500	= \$ -		\$ -
Inlet Protection	6.00	EA	\$ 167	= \$ 1,002		\$ 1,002
Sediment Basin	8.00	EA	\$ 1,762	= \$ 14,096		\$ 14,096
Concrete Washout Basin	1.00	EA	\$ 1,400	= \$ 1,400		\$ 1,400
				= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 18,353		\$ 18,353
SECTION 1 SUBTOTAL				= \$ 70,791		\$ 70,791
* - Subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						
SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ - *
Aggregate Base Course (135 lbs/cf)	3,376.00	Tons	\$ 30	= \$ 101,280		\$ 101,280 *
Asphalt Pavement (147 lbs/cf)	3,360.00	Tons	\$ 88	= \$ 295,680		\$ 295,680 *
Raised Median, Paved		SF	\$ 8	= \$ -		\$ - *
Regulatory Sign	6.00	EA	\$ 300	= \$ 1,800		\$ 1,800 *
Advisory Sign		EA	\$ 300	= \$ -		\$ - *
Guide/Street Name Sign	10.00	EA	300.00	= \$ 3,000		\$ 3,000 *
Epoxy Pavement Marking		SF	\$ 13	= \$ -		\$ - *
Thermoplastic Pavement Marking		SF	\$ 23	= \$ -		\$ - *
Barricade - Type 3	2.00	EA	\$ 200	= \$ 400		\$ 400 *
Delineator - Type I		EA	\$ 24	= \$ -		\$ - *
Curb and Gutter, Type A (6" Vertical)	1,615.00	LF	\$ 30	= \$ 48,450		\$ 48,450 *
Curb and Gutter, Type B (Median)		LF	\$ 30	= \$ -		\$ - *
Curb and Gutter, Type C (Ramp)	4,112.00	LF	\$ 30	= \$ 123,360		\$ 123,360 *
4" Sidewalk		SY	\$ 55	= \$ -		\$ - *
5" Sidewalk	3,059.00	SY	\$ 65	= \$ 198,835		\$ 198,835 *
6" Sidewalk		SY	\$ 75	= \$ -		\$ - *

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8" sidewalk		SY	\$ 97	\$ -		\$ - *
Pedestrian Ramp	178.00	SY	\$ 175 =	\$ 31,150		\$ 31,150 *
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]			=	\$ -		\$ - *
STORMDRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF	=	\$ -		\$ - *
18" Reinforced Concrete Pipe	257.00	LF	\$ 130 =	\$ 33,410		\$ 33,410 *
24" Reinforced Concrete Pipe	29.00	LF	\$ 140 =	\$ 4,060		\$ 4,060 *
30" Reinforced Concrete Pipe	79.00	LF	\$ 180 =	\$ 14,220		\$ 14,220 *
36" Reinforced Concrete Pipe	244.00	LF	\$ 200 =	\$ 48,800		\$ 48,800 *
42" Reinforced Concrete Pipe	88.00	LF	\$ 260 =	\$ 22,880		\$ 22,880 *
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 = (unit cost = 6x pipe unit cost)		EA	=	\$ -		\$ - *
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA	=	\$ -		\$ - *
End Treatment- Headwall		EA	=	\$ -		\$ - *
End Treatment- Wingwall		EA	=	\$ -		\$ - *
End Treatment - Cutoff Wall		EA	=	\$ -		\$ - *
Curb Inlet (Type R) L=5', Depth < 5 feet	1.00	EA	\$ 5,542 =	\$ 5,542		\$ 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	3.00	EA	\$ 7,627 =	\$ 22,881		\$ 22,881 *
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	1.00	EA	\$ 9,918 =	\$ 9,918		\$ 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	2.00	EA	\$ 11,627 =	\$ 23,254		\$ 23,254 *
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]			= \$ -			\$ - *

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Section 2 Subtotal = \$ 1,064,841

\$ 1,064,841 *

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)**DETENTION POND IMPROVEMENTS**

Detention Outlet Structure w/ Micropool	1.00	EA	\$ 15,000 =	\$ 15,000		\$ 15,000
Detention Emergency Spillway	1.00	EA	\$ 4,000 =	\$ 4,000		\$ 4,000
Concrete Forbay w/ Headwall	2.00	EA	\$ 18,000 =	\$ 36,000		\$ 36,000
Concrete Trickle Channel	271.00	LF	\$ 40 =	\$ 10,840		\$ 10,840
Rip-Rap, d50 Size from 6" to 24"	55.00	CY	\$ 98 =	\$ 5,390		\$ 5,390
24" Reinforced Concrete Pipe FES	1.00	EA	\$ 840 =	\$ 840		\$ 840
24" Reinforced Concrete Pipe	80.00	LF	\$ 140 =	\$ 11,200		\$ 11,200

WATER SYSTEM IMPROVEMENTS

Water Main Pipe (PVC), Size 8"	1,889.00	LF	\$ 99 =	\$ 187,011		\$ 187,011
Water Main Pipe (PVC), Size 12"	1,172.00	LF	\$ 145 =	\$ 169,940		\$ 169,940
Gate Valves, 8"	12.00	EA	\$ 1,958 =	\$ 23,496		\$ 23,496
Gate Valves, 12"	8.00					
Fire Hydrant Assembly w/ all valves	6.00	EA	\$ 6,797 =	\$ 40,782		\$ 40,782
Water Service Line Installation, inc. tap and valves	77.00	EA	\$ 1,324 =	\$ 101,948		\$ 101,948
Fire Cistern Installation, complete		EA	= \$ -			\$ -
			= \$ -			\$ -

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<i>[insert items not listed but part of construction plans]</i>			= \$	-		\$ -
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	= \$	-		\$ -
			= \$	-		\$ -
<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 =				\$ 962,967		\$ 962,967

** - 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 \$ 2,098,600

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

Total Remaining Construction Financial Assurance (with pre-plat construction) \$ 2,098,600

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

Total Defect Warranty Financial Assurance \$ 212,968

(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