

Use 2021 form/costs

Combine all grading and utility items into one FAE.

2019 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 4/18/2019

PROJECT INFORMATION		
	1/19/2021	100.062
Project Name: The Hills at Lorson Ranch	Date: January 18, 2021	PCD File No. SF 21-x SF-21-010

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)		
					% Complete	Remaining	
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	= \$ -		\$ -	*
1,000-5,000; \$8,000 min		CY	\$ 6.00	= \$ -		\$ -	*
5,001-20,000; \$30,000 min		CY	\$ 5.00	= \$ -		\$ -	*
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -	*
50,001-200,000; \$175,000 min		CY	\$ 2.50	= \$ -		\$ -	*
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -	*
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 800.00	= \$ -		\$ -	*
* Mulching		AC	\$ 750.00	= \$ -		\$ -	*
* Permanent Erosion Control Blanket		SY	\$ 6.00	= \$ -		\$ -	*
* Permanent Pond/BMP Construction		CY	\$ 20.00	= \$ -		\$ -	*
* Permanent Pond/BMP (Spillway)	X	EA	\$ 10,000.00	= \$ -		\$ -	*
* Permanent Pond/BMP (Outlet Structure)	X	EA	\$ 15,000.00	= \$ -		\$ -	*
Safety Fence		LF	\$ 3.00	= \$ -		\$ -	*
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -	*
Vehicle Tracking Control		EA	\$ 2,370.00	= \$ -		\$ -	*
Silt Fence		LF	\$ 2.50	= \$ -		\$ -	*
Temporary Seeding		AC	\$ 628.00	= \$ -		\$ -	*
Temporary Mulch		AC	\$ 750.00	= \$ -		\$ -	*
Erosion Bales		EA	\$ 25.00	= \$ -		\$ -	*
Erosion Logs/Straw Waddle		LF	\$ 5.00	= \$ -		\$ -	*
Rock Check Dams		EA	\$ 500.00	= \$ -		\$ -	*
Inlet Protection		EA	\$ 167.00	= \$ -		\$ -	*
Sediment Basin		EA	\$ 1,762.00	= \$ -		\$ -	*
Concrete Washout Basin		EA	\$ 900.00	= \$ -		\$ -	*
[insert items not listed but part of construction plans]				= \$ -		\$ -	*
MAINTENANCE (35% of Construction BMPs)				= \$ -		\$ -	*
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							*
Section 1 Subtotal				= \$ -		\$ -	*

These 3 items were not included with EGP205. Include with this final plat.

SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1	LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00	*
Aggregate Base Course (135 lbs/cf)	27,983	Tons	\$ 28.00	= \$ 783,524.00		\$ 783,524.00	*
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	= \$ -		\$ -	*
Asphalt Pavement (3" thick)		SY	\$ 14.00	= \$ -		\$ -	*
Asphalt Pavement (4" thick)		SY	\$ 19.00	= \$ -		\$ -	*
Asphalt Pavement (6" thick)		SY	\$ 29.00	= \$ -		\$ -	*
Asphalt Pavement (147 lbs/cf) 4" thick	20,114	Tons	\$ 88.00	= \$ 1,770,032.00		\$ 1,770,032.00	*
Raised Median, Paved		SF	\$ 8.00	= \$ -		\$ -	*
Regulatory Sign/Advisory Sign	47	EA	\$ 300.00	= \$ 14,100.00		\$ 14,100.00	*
Guide/Street Name Sign	86	EA	\$ 200.00	= \$ 17,200.00		\$ 17,200.00	*
Epoxy Pavement Marking	10,500	SF	\$ 13.00	= \$ 136,500.00		\$ 136,500.00	*
Thermoplastic Pavement Marking	1,570	SF	\$ 23.00	= \$ 36,110.00		\$ 36,110.00	*
Barricade - Type 3	12	EA	\$ 200.00	= \$ 2,400.00		\$ 2,400.00	*
Delineator - Type I		EA	\$ 24.00	= \$ -		\$ -	*
Curb and Gutter, Type A (6" Vertical)	12,150	LF	\$ 30.00	= \$ 364,500.00		\$ 364,500.00	*
Curb and Gutter, Type B (Median)		LF	\$ 30.00	= \$ -		\$ -	*
Curb and Gutter, Type C (Ramp)	30,300	LF	\$ 30.00	= \$ 909,000.00		\$ 909,000.00	*
4" Sidewalk (common areas only)	6,060	SY	\$ 48.00	= \$ 290,880.00		\$ 290,880.00	*
5" Sidewalk	8,425	SY	\$ 60.00	= \$ 505,500.00		\$ 505,500.00	*
6" Sidewalk		SY	\$ 72.00	= \$ -		\$ -	*
8" Sidewalk		SY	\$ 96.00	= \$ -		\$ -	*
Pedestrian Ramp	142	EA	\$ 1,150.00	= \$ 163,300.00		\$ 163,300.00	*
Cross Pan, local (8" thick, 6' wide to include return)	600	LF	\$ 61.00	= \$ 36,600.00		\$ 36,600.00	*
Cross Pan, collector (9" thick, 8' wide to include return)	160	LF	\$ 92.00	= \$ 14,720.00		\$ 14,720.00	*
Curb Chase		EA	\$ 1,480.00	= \$ -		\$ -	*
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	= \$ -		\$ -	*
Guardrail Type 7 (Concrete)		LF	\$ 72.00	= \$ -		\$ -	*
Guardrail End Anchorage		EA	\$ 2,098.00	= \$ -		\$ -	*
Guardrail Impact Attenuator		EA	\$ 3,767.00	= \$ -		\$ -	*
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	= \$ -		\$ -	*
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	= \$ -		\$ -	*
Electrical Conduit, Size =		LF	\$ 16.00	= \$ -		\$ -	*
Traffic Signal, complete intersection		EA	\$ 425,000.00	= \$ -		\$ -	*

PROJECT INFORMATION

1/19/2021

100.062

Project Name: The Hills at Lorson Ranch

Date : January 18, 2021

PCD File No. SF 21-x

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	1,400	LF	\$ 65.00	=	\$ 91,000.00		\$ 91,000.00
24" Reinforced Concrete Pipe	1,810	LF	\$ 78.00	=	\$ 141,180.00		\$ 141,180.00
30" Reinforced Concrete Pipe	1,035	LF	\$ 97.00	=	\$ 100,395.00		\$ 100,395.00
36" Reinforced Concrete Pipe	490	LF	\$ 120.00	=	\$ 58,800.00		\$ 58,800.00
42" Reinforced Concrete Pipe	4,215	LF	\$ 160.00	=	\$ 674,400.00		\$ 674,400.00
48" Reinforced Concrete Pipe	440	LF	\$ 195.00	=	\$ 85,800.00		\$ 85,800.00
54" Reinforced Concrete Pipe	80	LF	\$ 245.00	=	\$ 19,600.00		\$ 19,600.00
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 122.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 147.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 168.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 178.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 260.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 340.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 460.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 550.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 24" <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 2,000.00	=	\$ -		\$ -
Flared End Section (FES) CSP Size = 36" <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 3,000.00	=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	8	EA	\$ 7,188.00	=	\$ 57,504.00		\$ 57,504.00
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	8	EA	\$ 7,861.00	=	\$ 62,888.00		\$ 62,888.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 9,918.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 10,633.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	8	EA	\$ 11,627.00	=	\$ 93,016.00		\$ 93,016.00
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'	7	EA	\$ 11,667.00	=	\$ 81,669.00		\$ 81,669.00
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	2	EA	\$ 11,627.00	=	\$ 23,254.00		\$ 23,254.00
Storm Sewer Manhole, Slab Base	37	EA	\$ 6,395.00	=	\$ 236,615.00		\$ 236,615.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	100	Tons	\$ 80.00	=	\$ 8,000.00		\$ 8,000.00
Rip Rap, Grouted		Tons	\$ 95.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -

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						% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
				=	\$ -		\$ -	
Section 2 Subtotal					=	\$ 6,783,487.00		\$ 6,783,487.00

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

ROADWAY IMPROVEMENTS							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 64.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 1,858.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,597.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,324.00	=	\$ -		\$ -
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 64.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,386.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,402.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Underdrain		LF	\$ 15.00	=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -

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						% Complete	Remaining
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		Section 3 Subtotal		=	\$ -		\$ -
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 4,000.00	=	\$ 4,000.00		\$ 4,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00
Total Construction Financial Assurance						\$ 6,789,487.00	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,789,487.00	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$ 1,356,697.40	
(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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Engineer (P.E. Seal Required)

Approved by Owner / Applicant _____ Date _____

Keep County signature line

Add:
 Landscaping collateral will be required with the final plat if the landscaping improvements have not been installed and found to be acceptable prior to final plat recording.

Verify:
 Note: The license agreement for this project will require review and may require adjustments to the landscaping plan at the final plat stage; if minor revisions are necessary the PUD/SP plan will not require revision. Per ECM Section 2.5.8, landscaping in the ROW must be appropriate for the conditions and easily maintained by the use of power-mowing equipment. The trees shown in the public rights-of-way may need to be moved outside of the ROW or further from the roads.