

2023 Financial Assurance Estimate Form
(with pre-plat construction)

FAE should only include items for early grading and utility construction. All public road improvements need to be removed and will be part of the FAE associated with the Final Plat submittal

Updated: 12/8/2022

PROJECT INFORMATION		
Falcon Highlands South	5/1/2023	PUDSP-22-005
Project Name	Date	PCD File No.

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	0	CY	\$ 8.00	=	\$ 5,300.00		\$ 5,300.00	
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	28,915	CY	\$ 3.50	=	\$ 101,202.50		\$ 101,202.50	
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
Permanent Erosion Control Blanket	0.0	SY	\$ 8.00	=	\$ -		\$ -	
Permanent Seeding (inc. noxious weed mgmt.) & Mulching	77.1	AC	\$ 1,875.00	=	\$ 144,618.75		\$ 144,618.75	
Permanent Pond/BMP (provide engineer's estimate)	2	EA	\$ 75,000.00	=	\$ 150,000.00		\$ 150,000.00	
Concrete Washout Basin	1	EA	\$ 1,089.00	=	\$ 1,089.00		\$ 1,089.00	
Inlet Protection	5	EA	\$ 202.00	=	\$ 1,010.00		\$ 1,010.00	
Rock Check Dam	1	EA	\$ 605.00	=	\$ 605.00		\$ 605.00	
Safety Fence	260	LF	\$ 3.00	=	\$ 780.00		\$ 780.00	
Sediment Basin	4	EA	\$ 2,132.00	=	\$ 8,528.00		\$ 8,528.00	
Sediment Trap	0	EA	\$ 500.00	=	\$ -		\$ -	
Silt Fence	10,555	LF	\$ 3.00	=	\$ 31,665.00		\$ 31,665.00	
Slope Drain	0	LF	\$ 40.00	=	\$ -		\$ -	
Straw Bale	0	EA	\$ 31.00	=	\$ -		\$ -	
Straw Wattle/Rock Sock	0	LF	\$ 7.00	=	\$ -		\$ -	
Surface Roughening	77.1	AC	\$ 250.00	=	\$ 19,275.00		\$ 19,275.00	
Temporary Erosion Control Blanket	14,100.0	SY	\$ 3.00	=	\$ 42,300.00		\$ 42,300.00	
Temporary Seeding and Mulching	0.0	AC	\$ 1,666.00	=	\$ -		\$ -	
Vehicle Tracking Control	3	EA	\$ 2,867.00	=	\$ 8,601.00		\$ 8,601.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 39,467.40		\$ 39,467.40
Section 1 Subtotal					=	\$ 554,441.65		\$ 554,441.65

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.0	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)	0.0	Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	12,430.0	CY	\$ 61.00	=	\$ 758,230.00		\$ 758,230.00
Asphalt Pavement (3" thick)	0.0	SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	74,570.0	SY	\$ 23.00	=	\$ 1,715,110.00		\$ 1,715,110.00
Asphalt Pavement (6" thick)	0.0	SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick	0.0	Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved	0.0	SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	25.0	EA	\$ 364.00	=	\$ 9,100.00		\$ 9,100.00
Guide/Street Name Sign	25.0	EA	\$ 350.00	=	\$ 8,750.00		\$ 8,750.00
Epoxy Pavement Marking	0.0	SF	\$ 16.00	=	\$ -		\$ -
Thermoplastic Pavement Marking	7,500.0	SF	\$ 28.00	=	\$ 210,000.00		\$ 210,000.00
Barricade - Type 3	0.0	EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I	0.0	EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	34,350.0	LF	\$ 35.00	=	\$ 1,202,250.00		\$ 1,202,250.00
Curb and Gutter, Type B (Median)	0.0	LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	0.0	LF	\$ 35.00	=	\$ -		\$ -
4" Sidewalk (common areas only)	0.0	SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	0.0	SY	\$ 72.00	=	\$ -		\$ -
6" Sidewalk	35,500.0	SY	\$ 87.00	=	\$ 3,088,500.00		\$ 3,088,500.00
8" Sidewalk	0.0	SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	39.0	EA	\$ 1,390.00	=	\$ 54,210.00		\$ 54,210.00
Cross Pan, local (8" thick, 6' wide to include return)	1.0	LF	\$ 73.00	=	\$ 73.00		\$ 73.00
Cross Pan, collector (9" thick, 8' wide to include return)	0.0	LF	\$ 111.00	=	\$ -		\$ -
Curb Opening with Drainage Chase	0.0	EA	\$ 1,790.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)	0.0	LF	\$ 60.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)	0.0	LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage	0.0	EA	\$ 2,538.00	=	\$ -		\$ -
Guardrail Impact Attenuator	0.0	EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)	0.0	LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)	0.0	LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size =	0.0	LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)	0.0	EA		=	\$ -		\$ -

PROJECT INFORMATION

Falcon Highlands South
Project Name

5/1/2023
Date

PUDSP-22-005
PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)	0	LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	1,305	LF	\$ 76.00	=	\$ 99,180.00		\$ 99,180.00
24" Reinforced Concrete Pipe	1,276	LF	\$ 91.00	=	\$ 116,116.00		\$ 116,116.00
30" Reinforced Concrete Pipe	1,515	LF	\$ 114.00	=	\$ 172,710.00		\$ 172,710.00
36" Reinforced Concrete Pipe	317	LF	\$ 140.00	=	\$ 44,380.00		\$ 44,380.00
42" Reinforced Concrete Pipe	1,404	LF	\$ 187.00	=	\$ 262,548.00		\$ 262,548.00
48" Reinforced Concrete Pipe	597	LF	\$ 228.00	=	\$ 136,116.00		\$ 136,116.00
54" Reinforced Concrete Pipe	350	LF	\$ 297.00	=	\$ 103,950.00		\$ 103,950.00
60" Reinforced Concrete Pipe	0	LF	\$ 348.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe	0	LF	\$ 402.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe	0	LF	\$ 460.00	=	\$ -		\$ -
18" Corrugated Steel Pipe	0	LF	\$ 98.00	=	\$ -		\$ -
24" Corrugated Steel Pipe	0	LF	\$ 112.00	=	\$ -		\$ -
30" Corrugated Steel Pipe	0	LF	\$ 143.00	=	\$ -		\$ -
36" Corrugated Steel Pipe	0	LF	\$ 171.00	=	\$ -		\$ -
42" Corrugated Steel Pipe	0	LF	\$ 197.00	=	\$ -		\$ -
48" Corrugated Steel Pipe	0	LF	\$ 207.00	=	\$ -		\$ -
54" Corrugated Steel Pipe	0	LF	\$ 304.00	=	\$ -		\$ -
60" Corrugated Steel Pipe	0	LF	\$ 328.00	=	\$ -		\$ -
66" Corrugated Steel Pipe	0	LF	\$ 397.00	=	\$ -		\$ -
72" Corrugated Steel Pipe	0	LF	\$ 467.00	=	\$ -		\$ -
78" Corrugated Steel Pipe	0	LF	\$ 537.00	=	\$ -		\$ -
84" Corrugated Steel Pipe	0	LF	\$ 642.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)	0	EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)	0	EA		=	\$ -		\$ -
End Treatment- Headwall	0	EA		=	\$ -		\$ -
End Treatment- Wingwall	0	EA		=	\$ -		\$ -
End Treatment - Cutoff Wall	0	EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	0	EA	\$ 6,703.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	24	EA	\$ 8,715.00	=	\$ 209,160.00		\$ 209,160.00
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'	0	EA	\$ 10,092.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'	0	EA	\$ 9,224.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	5	EA	\$ 9,507.00	=	\$ 47,535.00		\$ 47,535.00
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'	0	EA	\$ 11,901.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'	0	EA	\$ 11,995.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	2	EA	\$ 12,858.00	=	\$ 25,716.00		\$ 25,716.00
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'	0	EA	\$ 14,061.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'	0	EA	\$ 12,783.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'	0	EA	\$ 14,109.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'	0	EA	\$ 5,611.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'	0	EA	\$ 6,931.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	41	EA	\$ 14,061.00	=	\$ 576,501.00		\$ 576,501.00
Storm Sewer Manhole, Slab Base	0	EA	\$ 7,734.00	=	\$ -		\$ -
Geotextile (Erosion Control)	0	SY	\$ 8.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	0.0	Tons	\$ 97.00	=	\$ -		\$ -
Rip Rap, Grouted	0.0	Tons	\$ 115.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)	11,052	LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete	0	CY	\$ 689.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap	0	CY	\$ 135.00	=	\$ -		\$ -
Drainage Channel Lining, Grass	5.1	AC	\$ 1,776.00	=	\$ 9,004.32		\$ 9,004.32
Drainage Channel Lining, Other Stabilization	0			=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal					= \$ 8,854,139.32		\$ 8,854,139.32

Move anything needed for early grading to Section 1 for EGP

Move items needed for early grading to Section 1 for EGP

PROJECT INFORMATION

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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance					\$ 13,075,090.97	
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 13,075,090.97	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 1,851,052.11	
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

adjust FAE to only include costs associated with preliminary grading, or include costs



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

 Approved by El Paso County Engineer / ECM Administrator

 Date

 Date