

2024 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 03/22/2024

PROJECT INFORMATION		
Falcon Meadows at Bent Grass Filing No. 3	3/22/2024	SF2216
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		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	25619.	CY	\$ 3.50	=	\$ 100,000.00		\$ 100,000.00	
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
Permanent Erosion Control Blanket		SY	\$ 9.00	=	\$ -		\$ -	
Permanent Seeding (inc. noxious weed mgmt.) & Mulching	1.2	AC	\$ 2,018.00	=	\$ 2,421.60		\$ 2,421.60	
Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
Concrete Washout Basin	3.	EA	\$ 1,172.00	=	\$ 3,516.00		\$ 3,516.00	
Inlet Protection	3.	EA	\$ 217.00	=	\$ 651.00		\$ 651.00	
Rock Check Dam	14.	EA	\$ 651.00	=	\$ 9,114.00		\$ 9,114.00	
Safety Fence	355.	LF	\$ 3.00	=	\$ 1,065.00		\$ 1,065.00	
Sediment Basin	1.	EA	\$ 2,294.00	=	\$ 2,294.00		\$ 2,294.00	
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -	
Silt Fence	2941.	LF	\$ 3.00	=	\$ 8,823.00		\$ 8,823.00	
Slope Drain	65.	LF	\$ 43.00	=	\$ 2,795.00		\$ 2,795.00	
Straw Bale	12.	EA	\$ 33.00	=	\$ 396.00		\$ 396.00	
Straw Wattle/Rock Sock	1283.	LF	\$ 8.00	=	\$ 10,264.00		\$ 10,264.00	
Surface Roughening		AC	\$ 269.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Temporary Seeding and Mulching	10.38	AC	\$ 1,793.00	=	\$ 18,611.34		\$ 18,611.34	
Vehicle Tracking Control	3.	EA	\$ 3,085.00	=	\$ 9,255.00		\$ 9,255.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 22,143.92		\$ 22,143.92
Section 1 Subtotal					=	\$ 191,349.86		\$ 191,349.86

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.	LS	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
Aggregate Base Course (135 lbs/cf)	2445.	Tons	\$ 37.00	=	\$ 90,465.00		\$ 90,465.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 4" thick	1495.	Tons	\$ 114.00	=	\$ 170,430.00		\$ 170,430.00
Raised Median, Paved		SF	\$ 11.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	4.	EA	\$ 392.00	=	\$ 1,568.00		\$ 1,568.00
Guide/Street Name Sign	8.	EA	\$ 65.00	=	\$ 520.00		\$ 520.00
Epoxy Pavement Marking		SF	\$ 17.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 30.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 259.00	=	\$ -		\$ -
Delineator - Type I	6.	EA	\$ 31.00	=	\$ 186.00		\$ 186.00
Curb and Gutter, Type A (6" Vertical)	550.	LF	\$ 38.00	=	\$ 20,900.00		\$ 20,900.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	2500.	LF	\$ 38.00	=	\$ 95,000.00		\$ 95,000.00
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -		\$ -
5" Sidewalk	797.	SY	\$ 77.00	=	\$ 61,369.00		\$ 61,369.00
6" Sidewalk		SY	\$ 94.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 125.00	=	\$ -		\$ -
Pedestrian Ramp	7.	EA	\$ 1,496.00	=	\$ 10,472.00		\$ 10,472.00
Cross Pan, local (8" thick, 6' wide to include return)	150.	LF	\$ 79.00	=	\$ 11,850.00		\$ 11,850.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	=	\$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,926.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 65.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 94.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,731.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,902.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 22.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -
CDOT Class 6 Gravel	21746.	SF	\$ 1.25	=	\$ 27,182.50		\$ 27,182.50
[insert items not listed but part of construction plans]				=	\$ -		\$ -

PROJECT INFORMATION

Falcon Meadows at Bent Grass Filing No. 3	3/22/2024	SF2216
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
STORM DRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF		= \$ -		\$ -
18" Reinforced Concrete Pipe	80.	LF	\$ 82.00	= \$ 6,560.00		\$ 6,560.00
24" Reinforced Concrete Pipe	440.	LF	\$ 98.00	= \$ 43,120.00		\$ 43,120.00
30" Reinforced Concrete Pipe		LF	\$ 123.00	= \$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 151.00	= \$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 201.00	= \$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 245.00	= \$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 320.00	= \$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 374.00	= \$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 433.00	= \$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 495.00	= \$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	= \$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 121.00	= \$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 154.00	= \$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 184.00	= \$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 212.00	= \$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 223.00	= \$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 327.00	= \$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 353.00	= \$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 427.00	= \$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 502.00	= \$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 578.00	= \$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 691.00	= \$ -		\$ -
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'		EA	\$ 7,212.00	= \$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 9,377.00	= \$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,925.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 10,230.00	= \$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 12,907.00	= \$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	1.	EA	\$ 13,835.00	= \$ 13,835.00		\$ 13,835.00
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	= \$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 13,755.00	= \$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 15,181.00	= \$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	= \$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	= \$ -		\$ -
Storm Sewer Manhole, Box Base	7.	EA	\$ 15,130.00	= \$ 105,910.00		\$ 105,910.00
Storm Sewer Manhole, Slab Base		EA	\$ 8,322.00	= \$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 9.00	= \$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	= \$ -		\$ -
Rip Rap, Grouted		Tons	\$ 124.00	= \$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		= \$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	= \$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	= \$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	= \$ -		\$ -
Drainage Channel Lining, Other Stabilization				= \$ -		\$ -
Grass Lined Drainage Swale	450.	LF	\$ 9.00	= \$ 4,050.00		\$ 4,050.00
<small>[insert items not listed but part of construction plans]</small>				= \$ -		\$ -
Section 2 Subtotal				= \$ 665,917.50		\$ 665,917.50

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

PROJECT INFORMATION

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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
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"	1440.	LF	\$ 84.00	=	\$ 120,960.00		\$ 120,960.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -
Gate Valves, 8"	6.	EA	\$ 2,418.00	=	\$ 14,508.00		\$ 14,508.00
Fire Hydrant Assembly, w/ all valves	5.	EA	\$ 8,584.00	=	\$ 42,920.00		\$ 42,920.00
Water Service Line Installation, inc. tap and valves	60.	EA	\$ 1,723.00	=	\$ 103,380.00		\$ 103,380.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	1220.	LF	\$ 84.00	=	\$ 102,480.00		\$ 102,480.00
Sanitary Sewer Manhole, Depth < 15 feet	13.	EA	\$ 5,708.00	=	\$ 74,204.00		\$ 74,204.00
Sanitary Service Line Installation, complete	60.	EA	\$ 1,825.00	=	\$ 109,500.00		\$ 109,500.00
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)							
Landscaping Improvements	1.	EA	\$ 75,000.00	=	\$ 75,000.00		\$ 75,000.00
Masonry Fence	1625.	LF	\$ 42.50	=	\$ 69,062.50		\$ 69,062.50
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 712,014.50	\$ 712,014.50

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

AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		\$ 5,000.00	=	\$ 5,000.00	\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)	LS	\$ 5,000.00	=	\$ 5,000.00	\$ 5,000.00

Total Construction Financial Assurance \$ 1,579,281.86

(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 1,579,281.86


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

Total Defect Warranty Financial Assurance \$ 153,667.82


(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

 Approved by El Paso County Engineer / ECM Administrator



07/02/2024
 Date

 Date