

please update as needed per
comments on the CD's,
GEC, and FDR

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

Updated: 10/2023

PROJECT INFORMATION		
FLYING HORSE NORTH FILING NO. 3	3/5/2024	SF-2326
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND CONSTRUCTION AND PERMANENT BMPs							
Earthwork							
less than 1,000; \$5,300 min	4220.	CY	\$ 8.00	=	\$		
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$		25,320.00
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		CY	\$ 2.00	=	\$		
Permanent Erosion Control Blanket	16400.	SY	\$ 9.00	=	\$		147,627.00
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1.6	AC	\$ 2,018.00	=	\$	3,228.80	\$ 3,228.80
Permanent Pond/BMP (provide engineer's estimate)	2.	EA	\$ 50,000.00	=	\$	100,000.00	\$ 100,000.00
Concrete Washout Basin	1.	EA	\$ 1,172.00	=	\$	1,172.00	\$ 1,172.00
Inlet Protection	13.	EA	\$ 217.00	=	\$	2,821.00	\$ 2,821.00
Rock Check Dam	47.	EA	\$ 651.00	=	\$	30,597.00	\$ 30,597.00
Safety Fence		LF	\$ 3.00	=	\$	-	\$ -
Sediment Basin	5.	EA	\$ 2,284.00	=	\$	11,470.00	\$ 11,470.00
Sediment Trap		EA		=	\$	-	\$ -
Silt Fence		LF		=	\$	-	\$ -
Slope Drain		LF		=	\$	-	\$ -
Storm Drain		EA		=	\$	-	\$ -
Storm Drain/Rock Sock	500.	LF		=	\$	4,000.00	\$ 4,000.00
Surface Roughening		AC	\$ 269.00	=	\$	-	\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$	-	\$ -
Temporary Seeding and Mulching	2.	AC	\$ 1,793.00	=	\$	3,586.00	\$ 3,586.00
Vehicle Tracking Control		EA	\$ 3,085.00	=	\$	-	\$ -
Permanent Turf Reinforced Mat (Rollmax or Equiv.)	274121.26	SF	\$ 1.50	=	\$	411,181.89	\$ 411,181.89
<i>[insert items not listed but part of construction plans]</i>							
MAINTENANCE (35% of Construction BMPs)						\$ 162,279.56	\$ 162,279.56
Section 1 Subtotal					=	\$ 903,283.25	\$ 903,283.25

* - 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		LS		=	\$	-	\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$	-	\$ -
Aggregate Base Course (135 lbs/cf)	5898.	CY	\$ 66.00	=	\$	389,268.00	\$ 389,268.00
Asphalt Pavement (3" thick)	35387.	SY	\$ 18.00	=	\$	636,966.00	\$ 636,966.00
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$	-	\$ -
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$	-	\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 114.00	=	\$	-	\$ -
Raised Median, Paved		SF	\$ 11.00	=	\$	-	\$ -
Regulatory Sign/Advisory Sign	16.	EA	\$ 392.00	=	\$	6,272.00	\$ 6,272.00
Guide/Street Name Sign	4.	EA		=	\$	-	\$ -
Epoxy Pavement Marking		SF		=	\$	-	\$ -
Thermoplastic Pavement Marking		SF		=	\$	-	\$ -
Barricade - Type 3	2.	EA	\$ 294.00	=	\$	518.00	\$ 518.00
Delineator - Type I		EA	\$ 31.00	=	\$	-	\$ -
Curb and Gutter, Type A (6" Vertical)	6738.	LF	\$ 38.00	=	\$	256,044.00	\$ 256,044.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$	-	\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 38.00	=	\$	-	\$ -
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$	-	\$ -
5" Sidewalk	3743.	SY	\$ 77.00	=	\$	288,211.00	\$ 288,211.00
6" Sidewalk		SY	\$ 94.00	=	\$	-	\$ -
8" Sidewalk		SY	\$ 125.00	=	\$	-	\$ -
Pedestrian Ramp	2.	EA	\$ 1,496.00	=	\$	2,992.00	\$ 2,992.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 79.00	=	\$	-	\$ -
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		=	\$	-	\$ -

LENGTH

ADDED PER PLANS.

Unresolved from Submittal 1 - This number seems low verify. All disturbed areas not to be paved must be reseeded. SWMP states 166 ac to be disturbed. TRM should be used in conjunction with seeding, not alone.

silt fence needs to be accounted for

provide ECB indicated in the GEC plans

CORRECT - THIS FIGURE WAS MISSING THE TRM AREAS AND ADDITIONAL DISTURBANCE AREAS FOR THE ROADSIDE DITCHES AND DAYLIGHT AREAS.

FOR NOTE: THE 166 ACRES ENCOMPASSES ALL PRIVATE LOTS TO ACCOUNT FOR SILT FENCE AT THE PERIMETER AND FUTURE DISTURBANCES OF PRIVATE LOTS. THE ENTIRE FILING WILL NOT BE DISTURBED OR PERMANENTLY SEEDED.

6" ABC added for fire access esmt.

Update per CDs on signing sheet.

Updated.

PROJECT INFORMATION

FLYING HORSE NORTH FILING NO. 3

3/5/2024

SF-2326

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS								
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -	
18" Reinforced Concrete Pipe	292.	LF	\$ 82.00	=	\$ 23,944.00		\$ 23,944.00	
24" Reinforced Concrete Pipe	248.	LF	\$ 98.00	=	\$ 24,304.00		\$ 24,304.00	
30" Reinforced Concrete Pipe	17.	LF	\$ 123.00	=	\$ 2,091.00		\$ 2,091.00	
36" Reinforced Concrete Pipe	531.	LF	\$ 151.00	=	\$ 80,181.00		\$ 80,181.00	
42" Reinforced Concrete Pipe	501.	LF	\$ 201.00	=	\$ 100,701.00		\$ 100,701.00	
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				=	\$ -		\$ -	
66" Corrugated Steel Pipe				=	\$ -		\$ -	
72" Corrugated Steel Pipe				=	\$ -		\$ -	
78" Corrugated Steel Pipe		LF	\$ 578.00	=	\$ -		\$ -	
84" Corrugated Steel Pipe		LF	\$ 691.00	=	\$ -		\$ -	
Flared End Section (FES) RCP Size = 42" (unit cost = 6x pipe unit cost)	6.	EA	\$ 1,206.00	=	\$ 7,236.00		\$ 7,236.00	
Flared End Section (FES) CSP Size = 36" (unit cost = 6x pipe unit cost)	4.	EA	\$ 906.00	=	\$ 3,624.00		\$ 3,624.00	
Flared End Section (FES) CSP Size = 24" (unit cost = 6x pipe unit cost)	2.	EA	\$ 588.00	=	\$ 1,176.00		\$ 1,176.00	
Flared End Section (FES) CSP Size = 18" (unit cost = 6x pipe unit cost)	14.	EA	\$ 492.00	=	\$ 6,888.00		\$ 6,888.00	
End Treatment- Headwall		EA		=	\$ -		\$ -	
End Treatment- Wingwall		EA		=	\$ -		\$ -	
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -	
Curb Inlet (Type R) L=5', Depth < 5'	1.	EA	\$ 7,212.00	=	\$ 7,212.00		\$ 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'	1.	EA	\$ 10,230.00	=	\$ 10,230.00		\$ 10,230.00	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -	
Curb Inlet (Type R) L =15', Depth < 5'	2.	EA	\$ 12,907.00	=	\$ 25,814.00		\$ 25,814.00	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 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		EA	\$ 15,130.00	=	\$ -		\$ -	
Storm Sewer Manhole, Slab Base	5.	EA	\$ 8,322.00	=	\$ 41,610.00		\$ 41,610.00	
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$ -		\$ -	
Rip Rap, d50 size from 6" to 24"	650.	Tons	\$ 104.00	=	\$ 67,600.00		\$ 67,600.00	
Rip Rap, Grouted	100.	Tons	\$ 124.00	=	\$ 12,400.00		\$ 12,400.00	
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				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
Section 2 Subtotal					=	\$ 1,995,282.00		\$ 1,995,282.00

include 48" culvert on allen ranch road cul-de-sac

ADDED AS WELL AS F.E.S.

elliptical pipe equivalents and their FES's added

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

PROJECT INFORMATION

FLYING HORSE NORTH FILING NO. 3
Project Name

3/5/2024
Date

SF-2326
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"		LF	\$ 84.00	=	\$ -		\$ -	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 8"		EA	\$ 2,418.00	=	\$ -		\$ -	
Fire Hydrant Assembly, w/ all valves		EA	\$ 8,584.00	=	\$ -		\$ -	
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	=	\$ -		\$ -	
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"		LF	\$ 84.00	=	\$ -		\$ -	
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,708.00	=	\$ -		\$ -	
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	=	\$ -		\$ -	
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)								
Trees	169.	EA	\$ 500.00	=	\$ 84,500.00		\$ 84,500.00	
Seeding & Mulching within treelawn section	1.	AC	\$ 2,018.00	=	\$ 2,018.00		\$ 2,018.00	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 86,518.00		\$ 86,518.00

Add missing Cistern

ADDED.

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

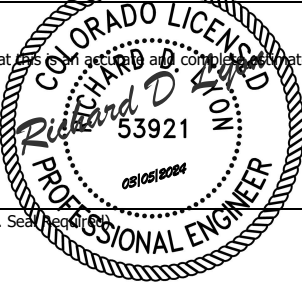
PROJECT INFORMATION

FLYING HORSE NORTH FILING NO. 3	3/5/2024	SF-2326
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)			\$ 15,000.00	= \$ 15,000.00		\$ 15,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
Total Construction Financial Assurance						\$ 3,005,083.25
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 3,005,083.25
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 454,291.56
(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

Approved by El Paso County Engineer / ECM Administrator

Date