

2015 Financial Assurance Estimate Form (with pre-plat construction)

Project Information	
FLYING HORSE NORTH FILING NO. 1	8/23/2018 PCD File No. SF-18-001
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
SEE FLYING HORSE NORTH GOLF COURSE						
EARLY GRADING AND E.C. PLAN						
APPROVED OCTOBER 2016						
Earthwork*	20,000.00	CY @	\$ 5	= \$		\$ - *
Permanent Seeding* (inc. noxious weed mgmnt.)	17.00	AC @	\$ 582	= \$		\$ - *
Mulching*	17.00	AC @	\$ 507	= \$		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ 6	= \$		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3	= \$		\$ -
Vehicle Tracking Control	1.00	EA @	\$ 1,625	= \$		\$ -
Safety Fence		LF @	\$ 3	= \$		\$ -
Silt Fence	3,400.00	LF @	\$ 4	= \$		\$ -
Temporary Seeding	3.00	AC @	\$ 485	= \$		\$ -
Temporary Mulch	3.00	AC @	\$ 507	= \$		\$ -
Erosion Bales	18.00	EA @	\$ 21	= \$		\$ -
Erosion Logs		LF @	\$ 6	= \$		\$ -
Rock Ditch Checks		EA @	\$	= \$		\$ -
Inlet Protection	7.00	EA @	\$ 153	= \$		\$ -
Sediment Basin	5.00	EA @	\$ 1,625	= \$		\$ -
Concrete Washout Basin	1.00	EA @	\$ 776	= \$		\$ -
		@	\$	= \$		\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.						
Section 1 Subtotal				\$		\$ -

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control	1.00	LS @	\$ 2,000	= \$ 2,000.00		\$ 2,000.00 *
Aggregate Base Course (Stagecoach)	26,000.00	Tons @	\$ 18	= \$ 468,000.00		\$ 468,000.00 *
Asphalt Pavement (Stagecoach)	23,400.00	Tons @	\$ 65	= \$ 1,521,000.00		\$ 1,521,000.00 *
Aggregate Base Course (Locals roads)	12,100.00	Tons @	\$ 18	= \$ 217,800.00		\$ 217,800.00 *
Asphalt Pavement (Local roads)	10,680.00	Tons @	\$ 65	= \$ 694,200.00		\$ 694,200.00 *
Raised Median, Paved		SF @	\$ 7	= \$		\$ - *
Electrical Conduit, Size =		LF @	\$ 14	= \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	= \$		\$ - *
Regulatory Sign	74.00	EA @	\$ 100	= \$ 7,400.00		\$ 7,400.00 *
Advisory Sign	44.00	EA @	\$ 100	= \$ 4,400.00		\$ 4,400.00 *
Guide/Street Name Sign	27.00	EA @	\$ 300	= \$ 8,100.00		\$ 8,100.00 *
Epoxy Pavement Marking (Stagecoach/Old Stagecoach)	11,400.00	SF @	\$ 12	= \$ 136,800.00		\$ 136,800.00 *
Thermoplastic Pavement Marking (Round-about markings)	450.00	SF @	\$ 22	= \$ 9,900.00		\$ 9,900.00 *
Barricade - Type 3	5.00	EA @	\$ 115	= \$ 575.00		\$ 575.00 *
Delineator (Type I)		EA @	\$ 21	= \$		\$ - *
Curb and Gutter, Type A (across JD Pond embankment)	900.00	LF @	\$ 21	= \$ 18,900.00		\$ 18,900.00 *
Curb and Gutter, Type E Modified (3" mountable island)	1,300.00	LF @	\$ 13	= \$ 16,900.00		\$ 16,900.00 *
Curb and Gutter, Type B (Round-about entry medians)	2,560.00	LF @	\$ 13	= \$ 33,280.00		\$ 33,280.00 *
Pedestrian Ramp		SY @	\$ 108	= \$		\$ - *
Cross Pan		SY @	\$ 53	= \$		\$ - *
Curb Chase		EA @	\$ 1,300	= \$		\$ - *
Guardrail Type 3 (W-Beam - Across JD Pond Embankment)	810.00	LF @	\$ 18	= \$ 14,580.00		\$ 14,580.00 *
Guardrail Type 7 (Concrete)		LF @	\$ 67	= \$		\$ - *

Guardrail End Anchorage		EA	@	\$ 1,978	=	\$		\$ -	*
Guardrail Impact Attenuator		EA	@	\$ 3,564	=	\$		\$ -	*
Sound Barrier Fence		LF	@	\$ 100	=	\$		\$ -	*
Concrete Sidewalk (5" thickness)		SY	@	\$ 58	=	\$		\$ -	*
- Storm Drain Improvements									
Concrete Box Culvert (M Standard), Size Dual (10 x 4)		LF	@	\$	=	\$		\$ -	*
Reinforced Concrete Pipe (RCP) Size		LF	@	\$	=	\$		\$ -	*
18" Reinforced Concrete Pipe	215.00	LF	@	\$ 69	=	\$ 14,835.00		\$ 14,835.00	*
24" Reinforced Concrete Pipe	1,070.00	LF	@	\$ 84	=	\$ 89,880.00		\$ 89,880.00	*
30" Reinforced Concrete Pipe	415.00	LF	@	\$ 94	=	\$ 39,010.00		\$ 39,010.00	*
36" Reinforced Concrete Pipe	460.00	LF	@	\$ 124	=	\$ 57,040.00		\$ 57,040.00	*
42" Reinforced Concrete Pipe	610.00	LF	@	\$ 134	=	\$ 81,740.00		\$ 81,740.00	*
48" Reinforced Concrete Pipe		LF	@	\$ 178	=	\$		\$ -	*
54" Reinforced Concrete Pipe		LF	@	\$ 182	=	\$		\$ -	*
60" Reinforced Concrete Pipe	500.00	LF	@	\$ 216	=	\$ 108,000.00		\$ 108,000.00	*
66" Reinforced Concrete Pipe		LF	@	\$ 263	=	\$		\$ -	*
72" Reinforced Concrete Pipe		LF	@	\$ 283	=	\$		\$ -	*
Corrugated Steel Pipe (CSP) Size		LF	@	\$	=	\$		\$ -	*
18" Corrugated Steel Pipe		LF	@	\$ 66	=	\$		\$ -	*
24" Corrugated Steel Pipe		LF	@	\$ 96	=	\$		\$ -	*
30" Corrugated Steel Pipe		LF	@	\$ 101	=	\$		\$ -	*
36" Corrugated Steel Pipe		LF	@	\$ 136	=	\$		\$ -	*
42" Corrugated Steel Pipe		LF	@	\$ 147	=	\$		\$ -	*
48" Corrugated Steel Pipe		LF	@	\$ 169	=	\$		\$ -	*
54" Corrugated Steel Pipe		LF	@	\$ 193	=	\$		\$ -	*
60" Corrugated Steel Pipe		LF	@	\$ 227	=	\$		\$ -	*
66" Corrugated Steel Pipe		LF	@	\$ 278	=	\$		\$ -	*
72" Corrugated Steel Pipe		LF	@	\$ 330	=	\$		\$ -	*
78" Corrugated Steel Pipe		LF	@	\$ 381	=	\$		\$ -	*
84" Corrugated Steel Pipe		LF	@	\$ 432	=	\$		\$ -	*
Flared End Section (FES) 18" †	4.00	EA	@	\$ 414	=	\$ 1,656.00		\$ 1,656.00	*
Flared End Section (FES) 24"	14.00	EA	@	\$ 504	=	\$ 7,056.00		\$ 7,056.00	*
Flared End Section (FES) 30"	8.00	EA	@	\$ 564	=	\$ 4,512.00		\$ 4,512.00	*
Flared End Section (FES) 36"	5.00	EA	@	\$ 744	=	\$ 3,720.00		\$ 3,720.00	*
Flared End Section (FES) 48"	2.00	EA	@	\$ 1,068	=	\$ 2,136.00		\$ 2,136.00	*
Flared End Section (FES) CSP †		EA	@	\$	=	\$		\$ -	*
End Treatment- Headwall (Stagecoach Rd.)	7.00	EA	@	\$ 4,000	=	\$ 28,000.00		\$ 28,000.00	*
End Treatment- Wingwall (Stagecoach Rd.)	6.00	EA	@	\$ 10,000	=	\$ 60,000.00		\$ 60,000.00	*
End Treatment - Cutoff Wall	5.00	EA	@	\$ 3,000	=	\$ 15,000.00		\$ 15,000.00	*
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$ 3,791	=	\$		\$ -	*
Curb Inlet (Type R) L=4', 5'-10' Depth		EA	@	\$ 5,300	=	\$		\$ -	*
Curb Inlet (Type R) L =6' , 5'-10' Depth		EA	@	\$ 6,000	=	\$		\$ -	*
Curb Inlet (Type R) L =8' , 5'-10' Depth		EA	@	\$ 7,000	=	\$		\$ -	*
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$ 7,500	=	\$		\$ -	*
Curb Inlet (Type R) L =12' , 5'-10' Depth		EA	@	\$ 8,300	=	\$		\$ -	*
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$ 7,923	=	\$		\$ -	*
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$ 8,000	=	\$		\$ -	*
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$ 8,800	=	\$		\$ -	*
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$ 8,000	=	\$		\$ -	*
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	\$ 8,830	=	\$		\$ -	*
Curb Inlet (Type R) L = ___' , ___' - ___' Depth		EA	@	\$	=	\$		\$ -	*
Curb Inlet (Type R) L = ___' , ___' - ___' Depth		EA	@	\$	=	\$		\$ -	*
Grated Inlet (Type C), < 5' deep		EA	@	\$ 3,270	=	\$		\$ -	*
Grated Inlet (Type D), < 5' deep		EA	@	\$ 3,908	=	\$		\$ -	*
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	\$ 8,592	=	\$		\$ -	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	1.00	EA	@	\$ 4,575	=	\$ 4,575.00		\$ 4,575.00	*
Geotextile (Erosion Control) Roadside ditches	26,000.00	SY	@	\$ 5	=	\$ 130,000.00		\$ 130,000.00	*
Rip Rap, d50 Size from 6" to 24"	545.00	CY	@	\$ 98	=	\$ 53,410.00		\$ 53,410.00	*
Rip Rap, Grouted		CY	@	\$ 215	=	\$		\$ -	*
Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$		\$ -	*
Channel Lining, Concrete		CY	@	\$ 450	=	\$		\$ -	*
Channel Lining, Rip Rap		CY	@	\$ 98	=	\$		\$ -	*

Channel Lining, Grass	AC	@	\$ 1,287	=	\$	\$ -	*
Channel Stabilization (40' wide utility crossing)	SY	@	\$ 3	=	\$	\$ -	*
Detention Outlet Structure	EA	@	\$ 8,000	=	\$	\$ -	*
Detention Emergency Spillway	EA	@	\$ 1,000	=	\$	\$ -	*
Permanent Water Quality Facility (Describe)	EA	@	\$	=	\$	\$ -	*
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6							
						3,854,405.00	3,854,405.00 **
Section 2 Subtotal					\$		

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price			% Complete	Remaining
- Roadway Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
- Storm Drain Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
Detention Facility Construction (Pond 1)							
Detention Outlet Structure w/ Micropool	1.00	EA	@ \$ 8,000	=	\$ 8,000.00		\$ 8,000.00
Detention Emergency Spillway	1.00	EA	@ \$ 2,000	=	\$ 2,000.00		\$ 2,000.00
24" RCP Storm Outfall	60.00	LF	@ \$ 84	=	5,040.00		\$ 5,040.00
Rip Rap, d50 Size from 6" to 24"	96.00	CY	@ \$ \$98	=	\$ 9,408.00		\$ 9,408.00
Detention Facility Construction (Pond 4)							
Detention Outlet Structure w/ Micropool	1.00	EA	@ \$ 12,000	=	\$ 12,000.00		\$ 12,000.00
Detention Emergency Spillway	1.00	EA	@ \$ 4,000	=	\$ 4,000.00		\$ 4,000.00
Concrete Forebays w/ Headwall	1.00	EA	@ \$ 15,000	=	15,000.00		\$ 15,000.00
Concrete trickle channel	325.00	LF	@ \$ 40	=	13,000.00		\$ 13,000.00
Rip-Rap Chute	260.00	CY	@ \$ 98	=	25,480.00		\$ 25,480.00
Grouted Rip-Rap	40.00	CY	@ \$ 215	=	8,600.00		\$ 8,600.00
48" RCP Storm Outfall	95.00	LF	@ \$ 178	=	16,910.00		\$ 16,910.00
Rip Rap, d50 Size from 6" to 24"	360.00	CY	@ \$ \$98	=	\$ 35,280.00		\$ 35,280.00
Detention Facility Construction (Pond 8)							
Detention Outlet Structure w/ Micropool	1.00	EA	@ \$ 18,000	=	\$ 18,000.00		\$ 18,000.00
Detention Emergency Spillway	1.00	EA	@ \$ 5,000	=	\$ 5,000.00		\$ 5,000.00
Concrete Forebay w/ Headwall	1.00	EA	@ \$ 20,000	=	20,000.00		\$ 20,000.00
Concrete trickle channel	100.00	LF	@ \$ 40	=	4,000.00		\$ 4,000.00
60" RCP Storm Outfall	80.00	LF	@ \$ 216	=	17,280.00		\$ 17,280.00
Rip Rap, d50 Size from 6" to 24"	480.00	CY	@ \$ \$98	=	\$ 47,040.00		\$ 47,040.00
Detention Facility Construction (Pond 12)							
Detention Outlet Structure w/ Micropool	1.00	EA	@ \$ 8,000	=	\$ 8,000.00		\$ 8,000.00
Detention Emergency Spillway	1.00	EA	@ \$ 2,000	=	\$ 2,000.00		\$ 2,000.00
30" RCP Storm Outfall	65.00	LF	@ \$ 94	=	6,110.00		\$ 6,110.00
Rip Rap, d50 Size from 6" to 24"	130.00	CY	@ \$ \$98	=	\$ 12,740.00		\$ 12,740.00
Detention Facility Construction (JD Pond 13)							
SWQ Outlet Structure	1.00	EA	@ \$ 1,000	=	\$ 1,000.00		\$ 1,000.00
Detention Emergency Spillway (Rip-Rap Chute)	1,000.00	CY	@ \$ 98	=	\$ 98,000.00		\$ 98,000.00
Dual box culverts (4'x10') incl. in public storm above	2.00	EA	@ \$ 90,000	=	180,000.00		\$ 180,000.00
(2) 6" toe drains	440.00	LF	@ \$ 4	=	1,760.00		\$ 1,760.00
30" RCP Storm Outfall	480.00	LF	@ \$ 94	=	45,120.00		\$ 45,120.00
Type II Storm Manhole	2.00	EA	@ \$ 4,575	=	9,150.00		\$ 9,150.00

- Water System Improvements								
Water Main Pipe (PVC), Size 8"		LF	@	\$ 94	=	\$		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$		\$ -
Gate Valves, 8"		EA	@	\$ 1,852	=	\$		\$ -
Fire Hydrant Assembly w/ all valves		EA	@	\$ 6,430	=	\$		\$ -
Water Service Line Installation, including tap and valves		EA	@	\$ 1,253	=	\$		\$ -
Fire Cistern Installation, complete		EA	@	\$	=	\$		\$ -
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"		LF	@	\$ 94	=	\$		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	\$ 4,575	=	\$		\$ -
Sanitary Service Line Installation, complete		EA	@	\$ 1,516	=	\$		\$ -
Sanitary Sewer Lift Station, complete		EA	@	\$	=	\$		\$ -
- Landscaping (If Applicable)								
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	\$	=	\$		\$ -
		EA	@	\$	=	\$		\$ -
		EA	@	\$	=	\$		\$ -
		EA	@	\$	=	\$		\$ -
		EA	@	\$	=	\$		\$ -
***items in this section are not subject to defect warranty financial assurance								
				Section 3 Subtotal		=	\$ 629,918.00	629,918.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ <u>\$10,000</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance <u>\$4,494,323.00</u>
	(Sum of all section subtotals)
	Total Remaining Construction Financial Assurance <u>4,494,323.00</u>
	(Sum of all section totals less credit for items complete)
	Total Defect Warranty Financial Assurance <u>\$770,881.00</u>
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)

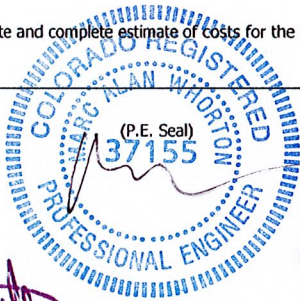
Approvals

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

Date

8/23/18



Approved by Owner / Applicant

Date

8/23/18

Approved by El Paso County Engineer / ECM Administrator

Approved

by Elizabeth Nijkamp
El Paso County Planning and Community Development
on behalf of Jennifer Irvine, County Engineer, ECM Administrator

Date



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