

Financial Assurance Estimate Form (with pre-plat construction)

8/6/2015

Project Information	
Walden Preserve 2 Filing 4 (23 lots; 2,017 LF)	9/5/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	5,560.00	CY	@ \$5	= \$	27,800.00	\$ 27,800.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	4.00	AC	@ \$582	= \$	2,328.00	\$ 2,328.00 *
Mulching*	4.00	AC	@ \$507	= \$	2,028.00	\$ 2,028.00 *
Permanent Erosion Control Blanket*	890.00	SY	@ \$6	= \$	5,340.00	\$ 5,340.00 *
Temporary Erosion Control Blanket		SY	@ \$3	= \$		\$ -
Vehicle Tracking Control	1.00	EA	@ \$1,625	= \$	1,625.00	\$ 1,625.00
Safety Fence		LF	@ \$3	= \$		\$ -
Silt Fence	1,150.00	LF	@ \$4	= \$	4,600.00	\$ 4,600.00
Temporary Seeding		AC	@ \$485	= \$		\$ -
Temporary Mulch		AC	@ \$507	= \$		\$ -
Erosion Bales	33.00	EA	@ \$21	= \$	693.00	\$ 693.00
Erosion Logs		LF	@ \$6	= \$		\$ -
Rock Ditch Checks		EA	@ \$	= \$		\$ -
Inlet Protection	2.00	EA	@ \$153	= \$	306.00	\$ 306.00
Sediment Basin	1.00	EA	@ \$1,625	= \$	1,625.00	\$ 1,625.00
Concrete Washout Basin		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	\$ 46,345.00	\$ 46,345.00

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control		LS	@ \$	= \$		\$ - *
Aggregate Base Course	2,000.00	Tons	@ \$18	= \$	36,000.00	\$ 36,000.00 *
Asphalt Pavement	1,400.00	Tons	@ \$65	= \$	91,000.00	\$ 91,000.00 *
Raised Median, Paved		SF	@ \$7	= \$		\$ - *
Electrical Conduit, Size =		LF	@ \$14	= \$		\$ - *
Traffic Signal, complete intersection		EA	@ \$250,000	= \$		\$ - *
Regulatory Sign	1.00	EA	@ \$100	= \$	100.00	\$ 100.00 *
Advisory Sign		EA	@ \$100	= \$		\$ - *
Guide/Street Name Sign	1.00	EA	@ \$100	= \$	100.00	\$ 100.00 *
Epoxy Pavement Marking		SF	@ \$12	= \$		\$ - *
Thermoplastic Pavement Marking		SF	@ \$22	= \$		\$ - *
Barricade - Type 3		EA	@ \$115	= \$		\$ - *
Delineator (Type I)		EA	@ \$21	= \$		\$ - *
Curb and Gutter, Type C (Ramp)		LF	@ \$21	= \$		\$ - *
Curb and Gutter, Type A (6" Vertical)		LF	@ \$16	= \$		\$ - *
Curb and Gutter, Type B (Median)		LF	@ \$13	= \$		\$ - *
Pedestrian Ramp		SY	@ \$108	= \$		\$ - *

Update quantities based on construction drawings comments.

Add PCD File No. SF-18-034

Cross Pan			SY	@	\$	\$53	=	\$		\$	-	*
Curb Chase			EA	@	\$	\$1,300	=	\$		\$	-	*
Guardrail Type 3 (W-Beam)			LF	@	\$	\$18	=	\$		\$	-	*
Guardrail Type 7 (Concrete)			LF	@	\$	\$67	=	\$		\$	-	*
Guardrail End Anchorage			EA	@	\$	\$1,978	=	\$		\$	-	*
Guardrail Impact Attenuator			EA	@	\$	\$3,564	=	\$		\$	-	*
Sound Barrier Fence			LF	@	\$	\$100	=	\$		\$	-	*
- Storm Drain Improvements												
Concrete Box Culvert (M Standard), Size (W x H)			LF	@	\$		=	\$		\$	-	*
Reinforced Concrete Pipe (RCP) Size			LF	@	\$		=	\$		\$	-	*
18" Reinforced Concrete Pipe			LF	@	\$	\$69	=	\$		\$	-	*
24" Reinforced Concrete Pipe		145.00	LF	@	\$	\$84	=	\$	12,180.00	\$	12,180.00	*
30" Reinforced Concrete Pipe			LF	@	\$	\$94	=	\$		\$	-	*
36" Reinforced Concrete Pipe			LF	@	\$	\$124	=	\$		\$	-	*
42" Reinforced Concrete Pipe			LF	@	\$	\$134	=	\$		\$	-	*
48" Reinforced Concrete Pipe			LF	@	\$	\$178	=	\$		\$	-	*
54" Reinforced Concrete Pipe			LF	@	\$	\$182	=	\$		\$	-	*
60" Reinforced Concrete Pipe			LF	@	\$	\$216	=	\$		\$	-	*
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) RCP 24"		3.00	EA	@	\$	504	=	\$	1,512.00	\$	1,512.00	*
Flared End Section (FES) CSP			EA	@	\$		=	\$		\$	-	*
End Treatment- Headwall			EA	@	\$		=	\$		\$	-	*
End Treatment- Wingwall			EA	@	\$		=	\$		\$	-	*
End Treatment - Cutoff Wall			EA	@	\$		=	\$		\$	-	*
Curb Inlet (Type R) L=5', Depth < 5 feet			EA	@	\$	\$3,791	=	\$		\$	-	*
Curb Inlet (Type R) L=5', 5'-10' Depth			EA	@	\$	\$5,044	=	\$		\$	-	*
Curb Inlet (Type R) L =5', 10'-15' Depth			EA	@	\$	\$6,027	=	\$		\$	-	*
Curb Inlet (Type R) L =10', Depth < 5 feet			EA	@	\$	\$5,528	=	\$		\$	-	*
Curb Inlet (Type R) L =10', 5'-10' Depth			EA	@	\$	\$6,694	=	\$		\$	-	*
Curb Inlet (Type R) L =10', 10'-15' Depth			EA	@	\$	\$7,500	=	\$		\$	-	*
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			EA	@	\$	\$4,575	=	\$		\$	-	*
Geotextile (Erosion Control)			SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap, d50 Size from 6" to 24"		10.00	CY	@	\$	\$98	=	\$	980.00	\$	980.00	*
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 Lining, Other Stabilization		SY	@	\$	\$3	=	\$	\$	-	*
Detention Outlet Structure		EA	@	\$		=	\$	\$	-	*
Detention Emergency Spillway		EA	@	\$		=	\$	\$	-	*
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										
						=		141,872.00		
					Section 2 Subtotal	=	\$		141,872.00	**

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)			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
Concrete Sidewalk		SY	@ \$ \$38	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
24" Reinforced Concrete Pipe	25.00	LF	@ \$ \$84	= \$ 2,100.00		\$ 2,100.00
30" Reinforced Concrete Pipe	216.00	LF	@ \$ \$94	= \$ 20,304.00		\$ 20,304.00
Flared End Section (FES) RCP 24"	2.00	EA	@ \$ 504	= \$ 1,008.00		\$ 1,008.00
Flared End Section (FES) RCP 30"	4.00	EA	@ \$ 564	= \$ 2,256.00		\$ 2,256.00
Rip Rap, d50 Size from 6" to 24"	15.00	CY	@ \$ \$98	= \$ 1,470.00		\$ 1,470.00
Drainage Channel Construction (Grass-Lined)	674.00	LF	@ \$ \$5	= \$ 3,370.00		\$ 3,370.00
Channel Lining, Other Stabilization	1,800.00	SY	@ \$ \$3	= \$ 5,400.00		\$ 5,400.00
Water Quality Pond Outlet Structure	1.00	LS	@ \$ 6,000	= \$ 6,000.00		\$ 6,000.00
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
- Water System Improvements						
Water Main Pipe (PVC), Size 8"	2,450.00	LF	@ \$ \$40	= \$ 98,000.00		\$ 98,000.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ \$137	= \$		\$ -
Gate Valves, 8"	6.00	EA	@ \$ \$1,852	= \$ 11,112.00		\$ 11,112.00
Fire Hydrant Assembly w/ all valves	5.00	EA	@ \$ \$6,430	= \$ 32,150.00		\$ 32,150.00
Water Service Line Installation, including tap and valves	23.00	EA	@ \$ 1,253	= \$ 28,819.00		\$ 28,819.00
Fire Cistern Installation, complete		EA	@ \$	= \$		\$ -
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	1,700.00	LF	@ \$ \$40	= \$ 68,000.00		\$ 68,000.00
Sanitary Sewer Manhole, Depth < 15 feet	6.00	EA	@ \$ \$4,575	= \$ 27,450.00		\$ 27,450.00
Sanitary Service Line Installation, complete	23.00	EA	@ \$ 1,516	= \$ 34,868.00		\$ 34,868.00
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	= \$ 342,307.00		342,307.00

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ <u>\$2,000</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance <u>\$532,524.00</u>
	(Sum of all section subtotals)
	Total Remaining Construction Financial Assurance <u>532,524.00</u>
	(Sum of all section totals less credit for items complete)
	Total Defect Warranty Financial Assurance <u>\$35,873.60</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
(P.E. Seal)	
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date

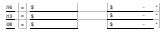
Markup Summary

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Update quantities based on construction drawings comments.



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