

2015 Financial Assurance

06/22/2018

Estimate Form (with pre-plat construction)

Project Information	
Carriage Meadows South at Lorson Ranch Fil No. 2-Grading	<u>12/1/2018</u>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	8,000.00	CY	@ \$ \$5	= \$	40,000.00	\$ 40,000.00 *
Permanent Seeding*	2.00	AC	@ \$ \$582	= \$	1,164.00	\$ 1,164.00 *
Mulching*	2.00	AC	@ \$ \$507	= \$	1,014.00	\$ 1,014.00 *
Permanent Erosion Control Blanket*		SY	@ \$ \$6	= \$		\$ - *
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	Add silt fence quantity.	LF	@ \$ \$4	= \$		\$ -
Temporary Seeding	1.00	AC	@ \$ \$485	= \$	485.00	\$ 485.00
Temporary Mulch	1.00	AC	@ \$ \$507	= \$	507.00	\$ 507.00
Erosion Bales	30.00	EA	@ \$ \$21	= \$	630.00	\$ 630.00
Erosion Logs		LF	@ \$ \$6	= \$		\$ -
Rock Ditch Checks		EA	@ \$	= \$		\$ -
Inlet Protection	2.00	EA	@ \$ \$153	= \$	306.00	\$ 306.00
Sediment Basin	See comment on plan +1	EA	@ \$ \$4,000	= \$	8,000.00	\$ 8,000.00
Concrete Washout Basin	1.00	EA	@ \$ \$776	= \$	776.00	\$ 776.00
		@ \$	= \$			\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process.						
				Section 1 Subtotal	= \$ 54,507.00	\$ 54,507.00

Correct note, see latest form on PCD website.

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control		LS	@ \$ 5,000	= \$		\$ - *
Aggregate Base Course, 6" thick		Tons	@ \$ \$18	= \$		\$ - *
Asphalt Pavement, 5" thick		Tons	@ \$ \$65	= \$		\$ - *
Raised Median, Paved		SF	@ \$ \$7	= \$		\$ - *
Electrical Conduit, Size =		LF	@ \$ \$14	= \$		\$ - *
Traffic Signal, complete intersection		EA	@ \$ \$250,000	= \$		\$ - *
Regulatory Sign		EA	@ \$ \$100	= \$		\$ - *
Advisory Sign		EA	@ \$ \$100	= \$		\$ - *
Guide/Street Name Sign		EA	@ \$ \$200	= \$		\$ - *
Epoxy Pavement Marking		SF	@ \$ \$12	= \$		\$ - *
Thermoplastic Pavement Marking		SF	@ \$ \$22	= \$		\$ - *
Barricade - Type F		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	= \$		\$ - *

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)		LF	@	\$ 90	=	\$		\$ -	*
18" Reinforced Concrete Pipe		LF	@	\$ 69	=	\$		\$ -	*
24" Reinforced Concrete Pipe	300.00	LF	@	\$ 84	=	\$ 25,200.00		\$ 25,200.00	*
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 †		EA	@	\$ 800	=	\$		\$ -	*
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	1.00	EA	@	\$ 5,044	=	\$ 5,044.00		\$ 5,044.00	*
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	1.00	EA	@	\$ 6,694	=	\$ 6,694.00		\$ 6,694.00	*
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 = 30' , 5' - 10' Depth		EA	@	\$ 10,000	=	\$		\$ -	*
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	@	\$ 20	=	\$		\$ -	*
Rip Rap, d50 Size from 6" to 24"		CY	@	\$ 98	=	\$		\$ -	*
Rip Rap, Grouted		CY	@	\$ 215	=	\$		\$ -	*
Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$		\$ -	*
Channel Lining, Concrete		CY	@	\$ 450	=	\$		\$ -	*
Channel Lining, Rip Rap		CY	@	\$ 98	=	\$	36,938.00	\$ -	*
Channel Lining, Grass		AC	@	\$ 1,287	=	\$		\$ -	*

Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$		\$ - *
Detention Outlet Structure (standpipes/trash racks)		EA	@	\$ 4,000	=	\$		\$ - *
Detention Emergency Spillway (Pond C3)		EA	@	\$ 15,000	=	\$		\$ - *
Permanent Water Quality Facility (Describe)		EA	@	\$ 25,000	=	\$		\$ - *
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6								36,938.00
Section 2 Subtotal								36,938.00 **
								\$ 36,938.00

* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process. † For flared end sections, multiply pipe LF cost by 6

Correct note, see latest form on PCD website.

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 - 5" THICK		SY	@	\$ 58	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
- Storm Drain Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
- Water System Improvements							
Water Main Pipe (PVC), Size 8"	1,500.00	LF	@	\$ 94	=	\$ 141,000.00	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$	\$ -
Gate Valves, 8"	15.00	EA	@	\$ 1,852	=	\$ 27,780.00	\$ -
Fire Hydrant Assembly w/ all valves	5.00	EA	@	\$ 6,430	=	\$ 32,150.00	\$ -
Water Service Line Installation, including tap and valves	56.00	EA	@	\$ 1,253	=	\$ 70,168.00	\$ -
Watermain crossing Marksheffel Road		EA	@	\$ 120,000	=	\$	\$ -
- Sanitary Sewer Improvements							
Sewer Main Pipe (PVC), Size 8"	1,230.00	LF	@	\$ 94	=	\$ 115,620.00	\$ -
Sanitary Sewer Manhole, Depth < 15 feet	11.00	EA	@	\$ 4,575	=	\$ 50,325.00	\$ -
Sanitary Service Line Installation, complete	56.00	EA	@	\$ 1,516	=	\$ 84,896.00	\$ -
Underdrain		LF	@	\$ 10	=	\$	\$ -
- 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 = \$ 521,939.00			

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ <u>\$6,000</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance <u>\$619,384.00</u>
	(Sum of all section subtotals)
	Total Remaining Construction Financial Assurance <u>97,445.00</u>
	(Sum of all section totals less credit for items complete)
	Total Defect Warranty Financial Assurance <u>\$15,823.20</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.

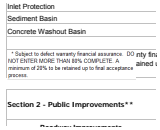
Engineer _____ Date _____
(P.E. Seal)

Approved by Owner / Applicant _____ Date _____

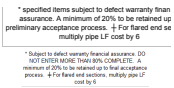
Approved by El Paso County Engineer / ECM Administrator _____ Date _____

Markup Summary

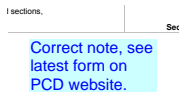
Steve Kuhster (6)



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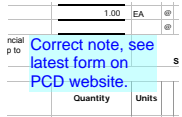


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Correct note, see latest form on PCD website.



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Add silt fence quantity.



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See comment on plan +1