

## 2015 Financial Assurance

10/15/2015

## Estimate Form (with pre-plat construction)

<b>Project Information</b>	
<b>Carriage Meadow North Filing No. 1</b>	<b>12/7/2017</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		% Complete	Remaining
Earthwork*	10,000.00	CY	@	\$ 5	= \$ 50,000.00		\$ 50,000.00 *
Permanent Seeding*	10.00	AC	@	\$ \$582	= \$ 5,820.00		\$ 5,820.00 *
Mulching*	10.00	AC	@	\$ \$507	= \$ 5,070.00		\$ 5,070.00 *
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		LF	@	\$ \$4	= \$		\$ -
Temporary Seeding	40.00	AC	@	\$ \$485	= \$ 19,400.00		\$ 19,400.00
Temporary Mulch	40.00	AC	@	\$ \$507	= \$ 20,280.00		\$ 20,280.00
Erosion Bales		EA	@	\$ \$21	= \$		\$ -
Erosion Logs		LF	@	\$ \$6	= \$		\$ -
Rock Ditch Checks		EA	@	\$	= \$		\$ -
Inlet Protection	15.00	EA	@	\$ \$153	= \$ 2,295.00		\$ 2,295.00
Sediment Basin	1.00	EA	@	\$ \$1,625	= \$ 1,625.00		\$ 1,625.00
Concrete Washout Basin	1.00	EA	@	\$ \$776	= \$ 776.00		\$ 776.00
			@	\$	= \$		\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.							
<b>Section 1 Subtotal</b>					= \$ 106,891.00		\$ 106,891.00

Section 2 - Public Improvements**	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
Construction Traffic Control	1.00	LS	@	\$ 5,000	= \$ 5,000.00		\$ 5,000.00 *
Aggregate Base Course	9,450.00	Tons	@	\$ \$18	= \$ 170,100.00		\$ 170,100.00 *
Asphalt Pavement	5,425.00	Tons	@	\$ \$65	= \$ 352,625.00		\$ 352,625.00 *
Raised Median, Paved	500.00	SF	@	\$ \$7	= \$ 3,500.00		\$ 3,500.00 *
Electrical Conduit, Size =		LF	@	\$ \$14	= \$		\$ - *
Traffic Signal, complete intersection		EA	@	\$ \$250,000	= \$		\$ - *
Regulatory Sign	16.00	EA	@	\$ \$100	= \$ 1,600.00		\$ 1,600.00 *
Advisory Sign		EA	@	\$ \$100	= \$		\$ - *
Guide/Street Name Sign	22.00	EA	@	\$ \$200	= \$ 4,400.00		\$ 4,400.00 *
Epoxy Pavement Marking	710.00	SF	@	\$ \$12	= \$ 8,520.00		\$ 8,520.00 *
Thermoplastic Pavement Marking	120.00	SF	@	\$ \$22	= \$ 2,640.00		\$ 2,640.00 *
Barricade - Type F	4.00	EA	@	\$ \$115	= \$ 460.00		\$ 460.00 *
Delineator (Type I)		EA	@	\$ \$21	= \$		\$ - *
Curb and Gutter, Type C (Ramp)	9,100.00	LF	@	\$ \$21	= \$ 191,100.00		\$ 191,100.00 *
Curb and Gutter, Type A (6" Vertical)	3,310.00	LF	@	\$ \$16	= \$ 52,960.00		\$ 52,960.00 *
Curb and Gutter, Type B (Median)	220.00	LF	@	\$ \$13	= \$ 2,860.00		\$ 2,860.00 *
Pedestrian Ramp	110.00	SY	@	\$ \$108	= \$ 11,880.00		\$ 11,880.00 *

Cross Pan	135.00	SY	@	\$ \$53	=	\$ 7,155.00	\$ 7,155.00	*
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	2,000.00	LF	@	\$ \$100	=	\$ 200,000.00	\$ 200,000.00	*
<b>- Storm Drain Improvements</b>								
Concrete Box Culvert (M Standard), Size ( W x H )		LF	@	\$	=	\$	\$ -	*
Reinforced Concrete Pipe (RCP)		LF	@	\$ 90	=	\$	\$ -	*
18" Reinforced Concrete Pipe	880.00	LF	@	\$ \$69	=	\$ 60,720.00	\$ 60,720.00	*
24" Reinforced Concrete Pipe	1,287.00	LF	@	\$ \$84	=	\$ 108,108.00	\$ 108,108.00	*
30" Reinforced Concrete Pipe	413.00	LF	@	\$ \$94	=	\$ 38,822.00	\$ 38,822.00	*
36" Reinforced Concrete Pipe	284.00	LF	@	\$ \$124	=	\$ 35,216.00	\$ 35,216.00	*
42" Reinforced Concrete Pipe	335.00	LF	@	\$ \$134	=	\$ 44,890.00	\$ 44,890.00	*
48" Reinforced Concrete Pipe	400.00	LF	@	\$ \$178	=	\$ 71,200.00	\$ 71,200.00	*
54" Reinforced Concrete Pipe		LF	@	\$ \$182	=	\$	\$ -	*
60" Reinforced Concrete Pipe	600.00	LF	@	\$ \$216	=	\$ 129,600.00	\$ 129,600.00	*
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) RCP +	2.00	EA	@	\$ 800	=	\$ 1,600.00	\$ 1,600.00	*
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	4.00	EA	@	\$ \$5,044	=	\$ 20,176.00	\$ 20,176.00	*
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$ \$6,027	=	\$	\$ -	*
Curb Inlet (Type R) L =10', Depth < 5 feet	9.00	EA	@	\$ \$5,528	=	\$ 49,752.00	\$ 49,752.00	*
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	1.00	EA	@	\$ \$7,923	=	\$ 7,923.00	\$ 7,923.00	*
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	1.00	EA	@	\$ \$8,830	=	\$ 8,830.00	\$ 8,830.00	*
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	14.00	EA	@	\$ \$4,575	=	\$ 64,050.00	\$ 64,050.00	*
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	1.00	EA	@	\$ 20,000	=	\$ 20,000.00		\$ 20,000.00	*
Detention Emergency Spillway	1.00	EA	@	\$ 15,000	=	\$ 15,000.00		\$ 15,000.00	*
Permanent Water Quality Facility (Describe)	1.00	EA	@	\$ 25,000	=	\$ 25,000.00		\$ 25,000.00	*
* 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		Section 2 Subtotal						701,867.00	
					=	1,716,667.00			
					\$			1,716,667.00	**

provide  
thickness

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
Concrete Sidewalk	6,894.00	SY	@	\$ \$38	=	\$ 261,972.00	\$ 261,972.00
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
<b>- Storm Drain Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
<b>- Water System Improvements</b>							
Water Main Pipe (PVC), Size 8"	12,410.00	LF	@	\$ \$94	=	\$ 1,166,540.00	\$ 1,166,540.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ \$137	=	\$	\$ -
Gate Valves, 8"	34.00	EA	@	\$ \$1,852	=	\$ 62,968.00	\$ 62,968.00
Fire Hydrant Assembly w/ all valves	12.00	EA	@	\$ \$6,430	=	\$ 77,160.00	\$ 77,160.00
Water Service Line Installation, including tap and valves	156.00	EA	@	\$ 1,253	=	\$ 195,468.00	\$ 195,468.00
Watermain crossing Marksheffel Road		EA	@	\$ \$120,000	=	\$	\$ -
<b>- Sanitary Sewer Improvements</b>							
Sewer Main Pipe (PVC), Size 8"	12,150.00	LF	@	\$ \$94	=	\$ 1,142,100.00	\$ 1,142,100.00
Sanitary Sewer Manhole, Depth < 15 feet	23.00	EA	@	\$ \$4,575	=	\$ 105,225.00	\$ 105,225.00
Sanitary Service Line Installation, complete	155.00	EA	@	\$ 1,516	=	\$ 234,980.00	\$ 234,980.00
Sanitary Sewer Lift Station, complete		EA	@	\$	=	\$	\$ -
<b>- Landscaping (If Applicable)</b>							
(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							
				<b>Section 3 Subtotal</b>	=	\$ 3,246,413.00	3,246,413.00

Add concrete  
noise barrier  
wall

<b>Financial Assurance Totals</b>		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<b>\$6,000</b>
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$5,075,971.00</b>
(Sum of all section subtotals)		
	<b>Total Remaining Construction Financial Assurance</b>	<b>5,075,971.00</b>
(Sum of all section totals less credit for items complete)		
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$355,511.40</b>
(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

(P.E. Seal)

Date

Approved by Owner / Applicant

Date

Approved by El Paso Couny Engineer / ECM Administrator

Date

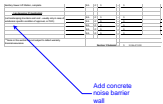
# Markup Summary

dsdrice (2)



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provide thickness



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Add concrete noise barrier wall