

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

10/15/2015

<b>Project Information</b>	
<b>Carriage Meadow North Filing No. 1</b>	<b>4/23/2018</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*		CY @	\$ 5	= \$		\$ - *
Permanent Seeding*		AC @	\$ 582	= \$		\$ - *
Mulching*		AC @	\$ 507	= \$		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ 6	= \$		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3	= \$		\$ -
Vehicle Tracking Control		EA @	\$ 1,625	= \$		\$ -
Safety Fence		LF @	\$ 3	= \$		\$ -
Silt Fence		LF @	\$ 4	= \$		\$ -
Temporary Seeding		AC @	\$ 485	= \$		\$ -
Temporary Mulch		AC @	\$ 507	= \$		\$ -
Erosion Bales		EA @	\$ 21	= \$		\$ -
Erosion Logs		LF @	\$ 6	= \$		\$ -
Rock Ditch Checks		EA @	\$	= \$		\$ -
Inlet Protection		EA @	\$ 153	= \$		\$ -
Sediment Basin		EA @	\$ 1,625	= \$		\$ -
Concrete Washout Basin		EA @	\$ 776	= \$		\$ -
		@	\$	= \$		\$ -
* 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>				<b>= \$</b>		<b>\$ -</b>

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		LF	@	\$ 69	=	\$	\$ -	*	
24" Reinforced Concrete Pipe		LF	@	\$ 84	=	\$	\$ -	*	
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		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"		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	=	\$	\$ -	*	
Channel Lining, Grass		AC	@	\$ 1,287	=	\$	\$ -	*	

Channel Lining, Other Stabilization		SY	@	\$	\$3	=	\$		\$	-	*	
Detention Outlet Structure		EA	@	\$	20,000	=	\$		\$	-	*	
Detention Emergency Spillway		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												
<b>Section 2 Subtotal</b>							=	\$	1,014,800.00		1,014,800.00	**

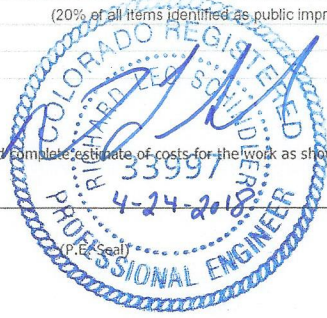
Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
<b>- Roadway Improvements</b>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
Concrete Sidewalk - 5" THICK	9,244.00	SY	@ \$ \$38	= \$ 351,272.00		\$ 351,272.00
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
<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>				= \$	3,335,713.00	3,335,713.00

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$6,000
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$4,356,513.00</b>
	(Sum of all section subtotals)	
	<b>Total Remaining Construction Financial Assurance</b>	<b>4,356,513.00</b>
	(Sum of all section totals less credit for items complete)	
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$202,960.00</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

Date

A handwritten signature in blue ink, appearing to read "Jeff [unclear]".

4/24/18

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date