

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

10/15/2015

A final GEC plan will be required for the site. Some items may need to be added or changed with this estimate due to CD comments.

Project Information	
Carriage Meadows South at Lorson Ranch	4/4/2017
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	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.						
Section 1 Subtotal				= \$	776.00	\$ 776.00

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control	1.00	LS @	\$	= \$		\$ - *
Aggregate Base Course	14,600.00	Tons @	\$ \$18	= \$ 262,800.00		\$ 262,800.00 *
Asphalt Pavement	9,200.00	Tons @	\$ \$65	= \$ 598,000.00		\$ 598,000.00 *
Raised Median, Paved		SF @	\$ \$7	= \$		\$ - *
Electrical Conduit, Size =		LF @	\$ \$14	= \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ \$250,000	= \$		\$ - *
Regulatory Sign	17.00	EA @	\$ \$100	= \$ 1,700.00		\$ 1,700.00 *
Advisory Sign		EA @	\$ \$100	= \$		\$ - *
Guide/Street Name Sign	28.00	EA @	\$ \$200	= \$ 5,600.00		\$ 5,600.00 *
Epoxy Pavement Marking	450.00	SF @	\$ \$12	= \$ 5,400.00		\$ 5,400.00 *
Thermoplastic Pavement Marking		SF @	\$ \$22	= \$		\$ - *
Barricade - Type 3	4.00	EA @	\$ \$115	= \$ 460.00		\$ 460.00 *
Delineator (Type I)		EA @	\$ \$21	= \$		\$ - *
Curb and Gutter, Type C (Ramp)	18,600.00	LF @	\$ \$21	= \$ 390,600.00		\$ 390,600.00 *
Curb and Gutter, Type A (6" Vertical)	4,300.00	LF @	\$ \$16	= \$ 68,800.00		\$ 68,800.00 *
Curb and Gutter, Type B (Median)		LF @	\$ \$13	= \$		\$ - *
Pedestrian Ramp	270.00	SY @	\$ \$108	= \$ 29,160.00		\$ 29,160.00 *

required

I believe we will be using this type.

Cross Pan	310.00	SY	@	\$ 53	=	\$ 16,430.00	\$ 16,430.00	*	
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		LF	@	\$ 100	=	\$	\$ -	*	
- Storm Drain Improvements									
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$	\$ -	*	
Reinforced Concrete Pipe (RCP) 24" HERC	224.00	LF	@	\$ 90	=	\$ 20,160.00	\$ 20,160.00	*	
18" Reinforced Concrete Pipe	486.00	LF	@	\$ 69	=	\$ 33,534.00	\$ 33,534.00	*	
24" Reinforced Concrete Pipe	1,281.00	LF	@	\$ 84	=	\$ 107,604.00	\$ 107,604.00	*	
30" Reinforced Concrete Pipe	80.00	LF	@	\$ 94	=	\$ 7,520.00	\$ 7,520.00	*	
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	7.00	EA	@	\$ 800	=	\$ 5,600.00	\$ 5,600.00	*	
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	10.00	EA	@	\$ 5,044	=	\$ 50,440.00	\$ 50,440.00	*	
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$ 6,027	=	\$	\$ -	*	
Curb Inlet (Type R) L =10', Depth < 5 feet	7.00	EA	@	\$ 5,528	=	\$ 38,696.00	\$ 38,696.00	*	
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	2.00	EA	@	\$ 7,923	=	\$ 15,846.00	\$ 15,846.00	*	
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		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	1.00	EA	@	\$ 3,908	=	\$ 3,908.00	\$ 3,908.00	*	
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	\$ 8,592	=	\$	\$ -	*	
Storm Sewer Manhole, Slab Base, Depth < 15 feet	6.00	EA	@	\$ 4,575	=	\$ 27,450.00	\$ 27,450.00	*	
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	=	\$	\$ -	*	

please double check



Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$		\$ -	*
Detention Outlet Structure	2.00	EA	@	\$ 20,000	=	\$ 40,000.00		\$ 40,000.00	*
Detention Emergency Spillway	1.00	EA	@	\$ 15,000	=	\$ 15,000.00		\$ 15,000.00	*
Permanent Water Quality Facility (Describe)	3.00	EA	@	\$ 25,000	=	\$ 75,000.00		\$ 75,000.00	*
* 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								421,578.00	
Section 2 Subtotal								1,820,688.00	
								\$ 1,820,688.00	**

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	9,800.00	SY	@ \$ \$38	= \$ 372,400.00		\$ 372,400.00
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
- 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"	11,450.00	LF	@ \$ \$94	= \$ 1,076,300.00		\$ 1,076,300.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ \$137	= \$		\$ -
Gate Valves, 8"	87.00	EA	@ \$ \$1,852	= \$ 161,124.00		\$ 161,124.00
Fire Hydrant Assembly w/ all valves	25.00	EA	@ \$ \$6,430	= \$ 160,750.00		\$ 160,750.00
Water Service Line Installation, including tap and valves	234.00	EA	@ \$ 1,253	= \$ 293,202.00		\$ 293,202.00
Watermain crossing Marksheffel Road	1.00	EA	@ \$ \$120,000	= \$ 120,000.00		\$ 120,000.00
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	9,550.00	LF	@ \$ \$94	= \$ 897,700.00		\$ 897,700.00
Sanitary Sewer Manhole, Depth < 15 feet	35.00	EA	@ \$ \$4,575	= \$ 160,125.00		\$ 160,125.00
Sanitary Service Line Installation, complete	234.00	EA	@ \$ 1,516	= \$ 354,744.00		\$ 354,744.00
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				= \$	3,596,345.00	3,596,345.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$5,417,809.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	5,417,809.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$364,137.60
	(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 County Engineer / ECM Administrator		Date

7.00

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Page Label: 2
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Status:
Checkmark: Unchecked
Author: dsdnijkamp
Date: 6/1/2017 9:28:53 AM
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Cross Pan

Curb Chase

Guardrail Type 3

Guardrail Type 7

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