

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

10/15/2015

Project Information	
Carriage Meadow North Filing No. 1 - Early Grading with Wet Utilities	March 9/2018
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.					
Section 1 Subtotal				\$ 106,891.00	\$ 106,891.00

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$ 5,000	\$	\$ - *
Aggregate Base Course		Tons @	\$ 18	\$	\$ - *
Asphalt Pavement		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		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							701,867.00
Section 2 Subtotal					=	\$ 701,867.00	701,867.00 **

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 - 5" THICK		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)			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
			@ \$	= \$		\$ -
- Water System Improvements						
Water Main Pipe (PVC), Size 8"		LF	@ \$ \$94	= \$		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ \$137	= \$		\$ -
Gate Valves, 8"		EA	@ \$ \$1,852	= \$		\$ -
Fire Hydrant Assembly w/ all valves		EA	@ \$ \$6,430	= \$		\$ -
Water Service Line Installation, including tap and valves		EA	@ \$ \$1,253	= \$		\$ -
Watermain crossing Marksheffel Road		EA	@ \$ \$120,000	= \$		\$ -
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"		LF	@ \$ \$94	= \$		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	@ \$ \$4,575	= \$		\$ -
Sanitary Service Line Installation, complete		EA	@ \$ \$1,516	= \$		\$ -
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	=	\$

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

\$ \$2,000

(Inc. survey to verify detention pond volumes.)

Total Construction Financial Assurance \$810,758.00

(Sum of all section subtotals)

Total Remaining Construction Financial Assurance 810,758.00

(Sum of all section totals less credit for items complete)

Total Defect Warranty Financial Assurance \$152,551.40

(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

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date