

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*	700.00	SY	@ \$ 6	= \$ 4,200.00		\$ 4,200.00 *
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	3,600.00	LF	@ \$ 4	= \$ 14,400.00		\$ 14,400.00
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
		@ \$ -	= \$ -			\$ -
				Section 1 Subtotal	= \$ 125,491.00	\$ 125,491.00

* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.

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	= \$ -		\$ - *

EPC file number EGP 18-001 and SF 17-023

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
						701,867.00	701,867.00 **
				Section 2 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	\$829,358.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	829,358.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$153,391.40
	(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

(P.E. Seal)

Date



Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Approved
by Elizabeth Nijkamp
El Paso County Planning and Community Development
on behalf of Jennifer Irvine, County Engineer, ECM Administrator
04/12/2018 5:44:57 PM

