2015 Financial Assurance Estimate Form

(Basic form)

3/17/2015

Project Information	
The Townhomes at Bradley Crossroads	12/16/2017
Project Name	Date

Section 1 - Grading	and Erosion Control BMPs	Quantity	Units			Price			
Earthwork*		8,385.00	CY	@	\$	\$5	=	\$ 41,925.00	*
Permanent Seeding*		1.50	AC	@	\$	\$582	=	\$ 873.00	*
Mulching*		1.50	AC	@	\$	\$507	=	\$ 760.50	*
Permanent Erosion C	Control Blanket*		SY	@	\$	\$6	=	\$	*
Temporary Erosion C	ontrol Blanket		SY	@	\$	\$3		\$	
Vehicle Tracking Con	trol	2.00	EA	@	\$	\$1,625	=	\$ 3,250.00	_
Safety Fence			LF	@	\$	\$3	=	\$	_
Silt Fence		200.00	LF	@	\$	\$4	=	\$ 800.00	
Temporary Seeding	Erosion control plan		AC	@	\$	\$485	=	\$	
Temporary Mulch	indicates a total of -		AC	@	\$	\$507	=	\$	
Erosion Bales	430 LF of logs		EA	@	\$	\$21	=	\$	
Erosion Logs		340.00	LF	@	\$	\$6	=	\$ 2,040.00	_
Rock Ditch Checks			EA	@	\$	\$300	=	\$	
Inlet Protection		4.00	EA	@	\$	\$153	=	\$ 612.00	
Sediment Basin			EA	@	\$	\$1,625	=	\$	
Concrete Washout Ba	asin	1.00	EA	@	\$	\$776	=	\$ 776.00	
				@	\$		=	\$	_
pecified items subject	to defect warranty financial assurance								-
					Sect	ion 1 Subtotal	=	\$ 51,036.50	

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
Construction Traffic Control		LS	@	\$ 	=	\$
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	@	\$		\$
Epoxy Pavement Marking		SF	@	\$ \$12	=	\$
Thermoplastic Pavement Marking		SF	@	\$ \$22	=	\$
Barricade - Type 3		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)	Size	LF	@	\$		=	\$
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	=	\$
High Density Polyethylene (HDPE) Pipe	Size	LF	@	\$		=	\$
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	1	LF	@	\$	\$432	=	\$
Flared End Section (FES) RCP	+	EA	@	\$		=	\$ e
Flared End Section (FES) HDPE	<u> </u>	EA	@	\$		= =	\$ e
Flared End Section (FES) CSP	+	EA EA	@	<u>\$</u> \$		=	\$
End Treatment- Wingwall		EA EA	@	\$ \$		=	\$
End Treatment - Wingwall End Treatment - Cutoff Wall		EA EA	@	\$ \$		=	\$
Curb Inlet (Type R) L=5', Depth < 5 feet		EA EA	@	\$	\$3,791	=	\$
Curb Inlet (Type R) L=5', Depth < 5 feet Curb Inlet (Type R) L=5', 5'-10' Depth		EA EA	@	\$ \$	\$5,044	+	\$
Curb Inlet (Type R) L =5', 10'-15' Depth		EA EA	@	\$ \$	\$6,027	=	\$
Curb Inlet (Type R) L = 5, 10-15 Depth Curb Inlet (Type R) L = 10', Depth < 5 feet	-	EA EA	@	\$	\$5,528	-	\$
Curb Inlet (Type R) L =10', 5'-10' Depth		EA EA	@	\$	\$6,694	=	\$
Curb Inlet (Type R) L =10', 5-10 Depth	-	EA 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 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	=	\$
Cand finet (Type It) L -20 , Deptil < 3 leet	_			Ψ	ψυ,υυυ	\square	Ψ

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 (Ditch-Out)	CY	@	\$	\$98	=	\$
Channel Lining, Grass	AC	@	\$	\$1,287	=	\$
Channel Lining, Other Stabilization	SY	@	\$	\$3	=	\$
Detention Outlet Structure	EA	@	\$		=	\$
Detention Emergency Spillway	EA	@	\$		=	\$
Permanent Water Quality Facility (Describe)	EA	@	\$		=	\$
**all items this section subject to defect warranty financial assurance. For flared end sections, multiply pipe LF cost by 6						
1			Secti	ion 2 Subtotal	=	**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units			Price		
- 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	380.00	SY	@	\$	\$38	=	\$ 14,440.00
			@	\$		=	\$
	Include rip	prap a	t di	raina	ge	=	\$
	_ swale, sto						
- Storm Drain Improvements	RCP, RC						
(Include any applicable items from above Public	and inlet.				,	=	\$
Improvements list, that are to be private and NOT	- and mot		w	φ		=	\$
maintained by El Paso County)			@	\$		=	\$
			@	\$		=	\$
			@	\$		=	\$
			@	\$		=	\$
- Water System Improvements							
Water Main Pipe (PVC), Size 8"		LF	@	\$	\$94	=	\$
Water Main Pipe (Ductile Iron), Size 8"	1,591.00	LF	@	\$	\$137	=	\$ 217,967.00
Gate Valves, 8"	22.00	EA	@	\$	\$1,852	=	\$ 40,744.00
Fire Hydrant Assembly w/ all valves	3.00	EA	@	\$	\$6,430	=	\$ 19,290.00
Water Service Line Installation, inc. tap & valves	78.00	EA	@	\$	\$1,253	=	\$ 97,734.00
Fire Cistern Installation, complete		EA	@	\$		=	\$
- Sanitary Sewer Improvements							
Sewer Main Pipe (PVC), Size 8"	1,272.00	LF	@	\$	\$94	=	\$ 119,568.00
Sanitary Sewer Manhole, Depth < 15 feet	7.00	EA	@	\$	\$4,575	=	\$ 32,025.00
Sanitary Service Line Installation, complete	78.00	EA	@	\$	1,516	=	\$ 118,248.00
Sanitary Sewer Lift Station, complete		EA	@	\$		=	\$
- Landscaping (If Applicable)							
(List landscaping line items and cost - usually only in case		EA	@	\$		=	\$
of subdivision specific condition of approval, or PUD)		EA	@	\$		=	\$
		EA	@	\$		=	\$
		EA	@	\$		=	\$
		EA	@	\$		=	\$
***items in this section are not subject to defect warranty							
financial assurance				Section	on 3 Subtota	=	\$ 660,016.00

Financial Assurance Totals								
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINT	AINED IMPROVEMENTS)		\$	3,000.00				
(Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total	=	\$	714,052.50				
	(Sum of all Section Totals)			_				
	Public Improvements Total* **		\$	43,558.50				
De	efect Warranty Financial Assurance Total	=	\$	8,711.70				
(20% of Section 2 Subtotal and 20% o	identified Grading and Erosion BMP items)							

Approvals		
I hereby certify that this is an accurate and complete with the Project.	estimate of costs for the work as show	n on the approved Construction Drawings associated
Engineer		Date
(I	.E. Seal)	
Approved by Owner / Applicant		Date
Approved by El Paso Couny Engineer / ECM Administ	ator	Date

Markup Summary

Callout (2)

Subject: Callout Page Label: 1

Author: Daniel Torres Date: 11/6/2018 11:33:08 AM

Color:

Erosion control plan indicates a total of 430 LF of logs

| Company | Comp

Subject: Callout Page Label: 4

Author: Daniel Torres Date: 11/7/2018 5:29:59 PM

Color:

Include riprap at drainage swale, storm sewer manhole, RCP, RCP flared end section, and inlet.

Text Box (1)

Add PCD File No. PPR1846 3/17/2015 Subject: Text Box Page Label: 1 Author: Daniel Torres Date: 11/6/2018 11:51:19 AM

Color:

Add PCD File No. PPR1846