

# 2015 Financial Assurance Estimate Form

(Basic form)

## Project Information

HCI - CBP, F2, Lot 6, Crackerjack

6/27/2017

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	56.00	CY	@	\$ 5	=	\$ 280.00 *
Permanent Seeding*	0.03	AC	@	\$ 582	=	\$ 17.46 *
Mulching*	0.03	AC	@	\$ 507	=	\$ 15.21 *
Permanent Erosion Control Blanket*		SY	@	\$ 8	=	\$ *
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$
Vehicle Tracking Control	1.00	EA	@	\$ 1,625	=	\$ 1,625.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence	125.00	LF	@	\$ 4	=	\$ 500.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales		EA	@	\$ 21	=	\$
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	1.00	EA	@	\$ 153	=	\$ 153.00
Sediment Basin		EA	@	\$ 1,625	=	\$
Concrete Washout Basin	1.00	EA	@	\$ 776	=	\$ 776.00
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
Add quantities for rock socks						
<b>Section 1 Subtotal</b>					=	<b>\$ 3,366.67</b>

Section 2 - Public Improvements**	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
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	=	\$

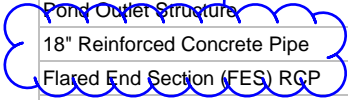
Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase		EA	@	\$	\$1,300	=	\$
Guardrail Type 3 (W-Beam)		LF	@	\$	\$18	=	\$
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$
Sound Barrier Fence		LF	@	\$	\$100	=	\$
Concrete Sidewalk		SY	@	\$	\$20	=	\$
<b>- Storm Drain Improvements</b>							
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	=	\$
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	@	\$	500	=	\$
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	@	\$	=	\$
Detention Emergency Spillway		EA	@	\$	=	\$
Permanent Water Quality Facility (Describe)		EA	@	\$ 10,000	=	\$
**all items this section subject to defect warranty financial assurance. For flared end sections, multiply pipe LF cost by 6						
				<b>Section 2 Subtotal</b>	=	\$
						**

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>		<b>Price</b>			
<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		SY	@	\$ 20	=	\$	
Curb and Gutter, Type 1 (6" Vertical)			@	\$	=	\$	
Aggregate Base Course			@	\$	=	\$	
<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)			@	\$	=	\$	
			@	\$	=	\$	
			@	\$	=	\$	
			@	\$	=	\$	
Permanent WQ Facility (Grading)			@	\$	=	\$	
24" RCP			@	\$ 58	=	\$	
WQCV Rain Garden Pond	1.00		@	\$ 6,000	=	\$ 6,000.00	
Pond Outlet Structure			@	\$ 12,000	=	\$	
18" Reinforced Concrete Pipe	14.00	LF	@	\$ 69	=	\$ 966.00	
Flared End Section (FES) RCP		EA	@	\$ 500	=	\$	
Grated Inlet (Type D), <5' Deep		EA	@	\$ 3,270	=	\$	
Rip Rap, d50 Size from 6" to 24"	1.00	CY	@	\$ 98	=	\$ 98.00	
<b>- Water System Improvements</b>							
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, inc. tap & valves		EA	@	\$ 1,253	=	\$	
Fire Cistern Installation, complete		EA	@	\$	=	\$	
<b>- Sanitary Sewer Improvements</b>							
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	@	\$	=	\$	
<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	@	\$	=	\$	
Swale (Cobble Stone/Grass)		EA	@	\$	=	\$	
		EA	@	\$	=	\$	
		EA	@	\$	=	\$	
***items in this section are not subject to defect warranty financial assurance							
					<b>Section 3 Subtotal</b>	=	<b>\$ 7,064.00</b>

Plans show 8"

PVC



Add cost for as-built for pond certification.

<b>Financial Assurance Totals</b>	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) ( Inc. survey to verify detention pond volumes.)	<b>Construction Financial Assurance Total</b> = \$ <u>10,430.67</u>
(Sum of all Section Totals)	
	Public Improvements Total* ** \$ 312.67
	<b>Defect Warranty Financial Assurance Total</b> = \$ <u>62.53</u>
(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)	

**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.

Todd Cartwright

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Engineer Date  
(P.E. Seal)

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Approved by Owner / Applicant Date

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Approved by El Paso County Engineer / ECM Administrator Date

# Markup Summary

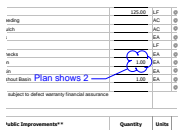
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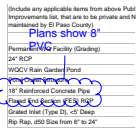
Plan shows 2



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Add quantities for rock socks

4 (1)



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Plans show 8" PVC

5 (1)



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Add cost for as-built for pond certification.