

2015 Financial Assurance Estimate Form

(Basic form)

4/24/2017

Project Information

HCI - CBP Lot 45 RV Storage

4/24/2017

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	1,800.00	CY	@	\$ 5	=	\$ 9,000.00 *
Permanent Seeding*	0.40	AC	@	\$ 582	=	\$ 232.80 *
Mulching*		AC	@	\$ 507	=	\$ *
Permanent Erosion Control Blanket*		SY	@	\$ 8	=	\$ *
Temporary Erosion Control Blanket	1,100.00	SY	@	\$ 3	=	\$ 3,300.00
Vehicle Tracking Control	1.00	EA	@	\$ 1,625	=	\$ 1,625.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence	1,200.00	LF	@	\$ 4	=	\$ 4,800.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales		EA	@	\$ 21	=	\$
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	4.00	EA	@	\$ 153	=	\$ 612.00
Sediment Basin		EA	@	\$ 1,625	=	\$
Concrete Washout Basin	1.00	EA	@	\$ 776	=	\$ 776.00
			@	\$	=	\$
pecified items subject to defect warranty financial assurance						
				Section 1 Subtotal	=	\$ 20,345.80

Mulching and seeding should match. 0.4 mulching

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		156.00	LF	@	\$	\$69	=	\$ 10,764.00
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		1.00	EA	@	\$	500	=	\$ 500.00
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			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		1.00	EA	@	\$	\$3,270	=	\$ 3,270.00
Grated Inlet (Type D), < 5' deep			EA	@	\$	\$3,908	=	\$

Sections 2 and 3 should be switched

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"	2.00	CY	@	\$	\$98	=	\$ 196.00
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		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					Section 2 Subtotal	=	\$ 14,730.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		
<u>- Roadway Improvements</u>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Concrete Sidewalk	322.00	SY	@	\$ 20	= \$ 6,440.00
Curb and Gutter, Type 1 (6" Vertical)			@	\$	= \$
Aggregate Base Course			@	\$	= \$
<u>- Storm Drain Improvements</u>					
(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 Sand Filter Pond			@	\$ 6,000	= \$
Pond Outlet Structure			@	\$ 12,000	= \$
			@	\$ 3	= \$
<u>- Water System Improvements</u>					
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	@	\$	= \$
<u>- Sanitary Sewer Improvements</u>					
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	@	\$	= \$
<u>- Landscaping (If Applicable)</u>					
(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					
				Section 3 Subtotal	= \$ 6,440.00

Add Pond Quantity

Switch to section 2

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)	Construction Financial Assurance Total = \$ <u>41,515.80</u>
(Sum of all Section Totals)	
Public Improvements Total* **	\$ 23,962.80
Defect Warranty Financial Assurance Total	= \$ <u>4,792.56</u>
(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)	

Add
As-built
quantity

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

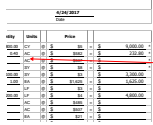
Engineer (P.E. Seal) _____ Date _____

Approved by Owner / Applicant _____ Date _____

Approved by El Paso County Engineer / ECM Administrator _____ Date _____

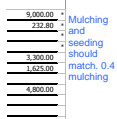
Markup Summary

1 (3)



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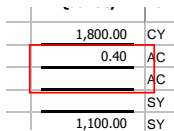
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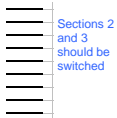
Mulching and seeding should match. 0.4 mulching



Qty	Unit	Price	Amount
1,800.00	CY		
0.40	AC		
	AC		
	SY		
1,100.00	SY		

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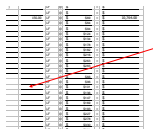
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Sections 2 and 3 should be switched



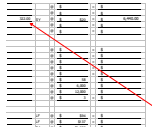
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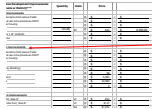


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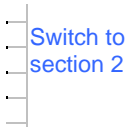
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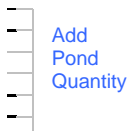


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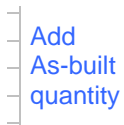
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Switch to section 2



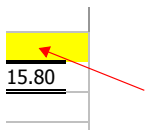
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Add Pond Quantity



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Add As-built quantity



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