



2015 Financial Assurance  
Estimate Form

(Basic form)

4/20/2017

<b>Project Information</b>	<b>PPR 17-023</b>
<b>HALLGREN</b>	<b>Padmark Business Park fil no 1.</b>
Project Name	Date
	<b>4/20/2017</b>

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		
Earthwork*	500.00	CY @	\$ 5	=	\$ 2,500.00 *
Permanent Seeding*	1.29	AC @	\$ 582	=	\$ 751.36 *
Mulching*	1.29	AC @	\$ 507	=	\$ 654.54 *
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	132.00	LF @	\$ 4	=	\$ 528.00
Temporary Seeding		AC @	\$ 485	=	\$
Temporary Mulch		AC @	\$ 507	=	\$
Erosion Bales		EA @	\$ 21	=	\$
Erosion Logs		LF @	\$ 6	=	\$
Rock Ditch Checks		EA @	\$	=	\$
Inlet Protection		EA @	\$ 153	=	\$
Sediment Basin		EA @	\$ 1,625	=	\$
Concrete Washout Basin	1.00	EA @	\$ 776	=	\$ 776.00
		@	\$	=	\$
Specified items subject to defect warranty financial assurance					
<b>Section 1 Subtotal</b>					<b>= \$ 6,834.90</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	2.00	EA @	\$ 844	=	\$ 1,688.00

Sidewalk	390.00	LF	@	\$	\$23	=	\$	8,970.00
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	=	\$	
<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	@	\$		=	\$	
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	@	\$		=	\$
**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>\$ 10,658.00 **</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	@	\$	= \$
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)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Concrete Spillway	1.00		@	\$ 500	= \$ 500.00
24" RCP	8.00		@	\$ 58	= \$ 464.00
30" RCP	147.00		@	\$ 65	= \$ 9,555.00
WQCV Sand Filter Pond	1.00		@	\$ 6,000	= \$ 6,000.00
Pond Outlet Structure	1.00		@	\$ 5,000	= \$ 5,000.00
SC 250 Spillway Mat	21.00		@	\$ 10	= \$ 210.00
<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>21,729.00</b>

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	500.00
( Inc. survey to verify detention pond volumes.)	<b>Construction Financial Assurance Total</b>	=	<b>\$ 39,721.90</b>
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	14,563.90
	<b>Defect Warranty Financial Assurance Total</b>	=	<b>\$ 2,912.78</b>
	(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.

\_\_\_\_\_  
Engineer



4-20-17

\_\_\_\_\_  
Date

*[Signature]*  
Approved by Owner / Applicant

4-24-17

\_\_\_\_\_  
Date

*[Signature]*  
Approved by El Paso County Engineer / ECM Administrator

24 APRIL 2017

\_\_\_\_\_  
Date