

# 2015 Financial Assurance Estimate Form (with pre-plat construction)

11/20/17

<b>Project Information</b>	
<b>Monument Hill Business Park</b>	<b>10/18/2017</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*	8,671.00	CY @	\$5	=	\$ 43,355.00	\$ 43,355.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	0.69	AC @	\$582	=	\$ 401.58	\$ 401.58 *
Mulching*	0.69	AC @	\$507	=	\$ 349.83	\$ 349.83 *
Permanent Erosion Control Blanket*		SY @	\$6	=	\$	\$ - *
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	712.00	LF @	\$4	=	\$ 2,848.00	\$ 2,848.00
Temporary Seeding		AC @	\$485	=	\$	\$ -
Temporary Mulch		AC @	\$507	=	\$	\$ -
Erosion Bales		EA @	\$21	=	\$	\$ -
Erosion Logs		LF @	\$6	=	\$	\$ -
Rock Ditch Checks	1.00	EA @	\$	=	\$	\$ -
Inlet Protection	3.00	EA @	\$153	=	\$ 459.00	\$ 459.00
Sediment Basin	1.00	EA @	\$1,625	=	\$ 1,625.00	\$ 1,625.00
Concrete Washout Basin	1.00	EA @	\$776	=	\$ 776.00	\$ 776.00
		@	\$	=	\$	\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.						
<b>Section 1 Subtotal</b>					\$ 51,439.41	\$ 51,439.41

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
<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	=	\$	\$	-	*
<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	@	\$	\$650	=	\$	\$	-	*
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 ( 2' W )		LF	@	\$	\$15	=	\$	\$	-	*
Channel Lining, Concrete		CY	@	\$	\$450	=	\$	\$	-	*



<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>		<b>% Complete</b>	<b>Remaining</b>
<b>- Storm Drain Improvements</b>						
Curb Inlet (Type R) L=5', 5'-10' Depth	3.00	@	\$ 6,694	=	\$ 20,082.00	\$ 20,082.00
18" Reinforced Concrete Pipe	339.00	@	\$ 69	=	\$ 23,391.00	\$ 23,391.00
Flared End Section (FES) RCP	5.00	@	\$ 414	=	\$ 2,070.00	\$ 2,070.00
Detention Outlet Structure	1.00	@	\$ 10,000	=	\$ 10,000.00	\$ 10,000.00
Detention Emergency Spillway	1.00	@	\$ 1,500	=	1,500.00	\$ 1,500.00
Drainage Channel Construction, Size ( 2' W )	107.00	@	\$ 15	=	1,605.00	\$ 1,605.00
Rip Rap, d50 Size from 6" to 24"	7.00	@	\$ 98	=	686.00	\$ 686.00
<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, including tap and 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 @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
***Items in this section are not subject to defect warranty financial assurance						
<b>Section 3 Subtotal</b>				=	\$ 59,334.00	59,334.00

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ 1,200
( Inc. survey to verify detention pond volumes.)	
<b>Total Construction Financial Assurance</b>	<b>\$111,973.41</b>
(Sum of all section subtotals)	
<b>Total Remaining Construction Financial Assurance</b>	<b>111,973.41</b>
(Sum of all section totals less credit for items complete)	
<b>Total Defect Warranty Financial Assurance</b>	<b>\$8,821.28</b>
(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.

Greg Kelly  
Engineer



01/30/2018  
Date

Steve R. S.  
Approved by Owner / Applicant

PREPARED UNDER THE DIRECT SUPERVISION OF GREGORY S. KELLY, A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF COLORADO, FOR AND ON BEHALF OF GREEN CIRCLE ENGINEERING, LLC

2-1-2018  
Date

Approved by El Paso County Engineer / ECM Administrator \_\_\_\_\_ Date \_\_\_\_\_