

# 2019 Financial Assurance Estimate Form

1/29/19

<b>Project Information</b>	
<b>Lot 3, Claremont Ranch Filing No. 9B</b>	<b>1/29/19</b>
Project Name: QQ CO Marksheffel & Constitution	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*		CY @	\$ 5		\$ - *
Permanent Seeding* (inc. noxious weed mgmnt.)		AC @	\$ 582		\$ - *
Mulching*		AC @	\$ 507		\$ - *
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	600.00	LF @	\$ 4	\$ 2,400.00	\$ 2,400.00
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Mulch		AC @	\$ 507		\$ -
Erosion Bales		EA @	\$ 21		\$ -
Erosion Logs		LF @	\$ 6		\$ -
Rock Ditch Checks		EA @	\$		\$ -
Inlet Protection	2.00	EA @	\$ 153	\$ 306.00	\$ 306.00
Sediment Basin		EA @	\$ 1,625		\$ -
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 final acceptance process.					
<b>Section 1 Subtotal</b>			\$	5,107.00	\$ 5,107.00

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		\$ - *
Concrete Sidewalk, 4"		SY @	\$ 38		\$ - *
Concrete Sidewalk, 5"		SY @	\$ 48		\$ - *
Concrete Sidewalk, 6"		SY @	\$ 57		\$ - *
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	@	\$	=	\$	\$ -	*
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	@	\$	=	\$	\$ -	*

\* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process. † For flared end sections, multiply pipe LF cost by 6

Section 2 Subtotal

\$

\*\*

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
<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, 6"	51.00	SY	\$ 57	=	\$ 2,907.00	\$ 2,907.00
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
<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)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
Curb Inlet L=5', Depth < 5'	1.00	EA	\$ 3,791	=	\$ 3,791.00	\$ 3,791.00
12" ADS Pipe	400.00	LF	\$ 10	=	\$ 4,000.00	\$ 4,000.00
6" PVC (Roof Drain)	173.00	LF	\$ 4	=	\$ 692.00	\$ 692.00
18" ADS Pipe	113.00	LF	\$ 12	=	\$ 1,356.00	\$ 1,356.00
<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	1.00	EA	\$ 1,253	=	\$ 1,253.00	\$ 1,253.00
Fire Cistem Installation, complete		EA	\$	=	\$	\$ -
2" Poly Water Line	110.00	LF	\$ 14	=	\$ 1,540.00	\$ 1,540.00
<b>- Sanitary Sewer Improvements</b>						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 94	=	\$	\$ -
Sanitary Sewer Manhole, Depth < 5 feet	1.00	EA	\$ 4,575	=	\$ 4,575.00	\$ 4,575.00
Sanitary Service Line Installation, complete	1.00	EA	\$ 1,516	=	\$ 1,516.00	\$ 1,516.00
Sanitary Sewer Lift Station, complete		EA	\$	=	\$	\$ -
Typical Grease Inceptor	3.00	EA	\$ 3,000	=	\$ 9,000.00	\$ 9,000.00
<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	\$	=	\$	\$ -
***items in this section are not subject to defect warranty financial assurance						
<b>Section 3 Subtotal</b>				=	\$ 30,630.00	30,630.00

**Financial Assurance Totals**

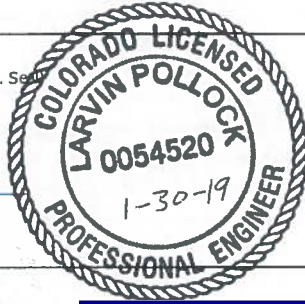
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$
( Inc. survey to verify detention pond volumes.)	
<b>Total Construction Financial Assurance</b>	<b>\$35,737.00</b>
(Sum of all section subtotals)	
<b>Total Remaining Construction Financial Assurance</b>	<b>35,737.00</b>
(Sum of all section totals less credit for items complete)	
<b>Total Defect Warranty Financial Assurance</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.

Engineer  Date 1-30-19

(P.E. Seal)



Approved by Owner / Applicant  Date 1/30/19

Approved by El Paso County Engineer / ECM Administrator

Approved

by Elizabeth Nijkamp  
El Paso County Planning and Community Development  
on behalf of Jennifer Irvine, County Engineer, ECM Administrator



04/23/2019 11:50:47 AM