

2019 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 6/7/2019

PROJECT INFORMATION		
Mayberry, Colorado Springs Filing No. 1 (98 Resid. Lots; 9,609 LF)	9/23/2020	SF-18-025
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)						
* Earthwork						
less than 1,000; \$5,300 min		CY	\$ 8.00	= \$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	= \$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min	36,800	CY	\$ 3.50	= \$ 128,800.00		\$ 128,800.00
50,001-200,000; \$175,000 min		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	20	AC	\$ 800.00	= \$ 16,000.00		\$ 16,000.00
* Mulching	20	AC	\$ 750.00	= \$ 15,000.00		\$ 15,000.00
* Permanent Erosion Control Blanket	1,715	SY	\$ 6.00	= \$ 10,290.00		\$ 10,290.00
* Permanent Pond/BMP Construction	7,900	CY	\$ 20.00	= \$ 158,000.00		\$ 158,000.00
* Permanent Pond/BMP (Spillway)	1	EA	\$ 3,000.00	= \$ 3,000.00		\$ 3,000.00
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 8,000.00	= \$ 8,000.00		\$ 8,000.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,370.00	= \$ 4,740.00		\$ 4,740.00
Silt Fence	4,300	LF	\$ 2.50	= \$ 10,750.00		\$ 10,750.00
Temporary Seeding	30.0	AC	\$ 628.00	= \$ 18,840.00		\$ 18,840.00
Temporary Mulch	30.0	AC	\$ 750.00	= \$ 22,500.00		\$ 22,500.00
Erosion Bales		EA	\$ 25.00	= \$ -		\$ -
Erosion Logs/Straw Waddle	108	LF	\$ 5.00	= \$ 540.00		\$ 540.00
Rock Check Dams		EA	\$ 500.00	= \$ -		\$ -
Inlet Protection	12	EA	\$ 167.00	= \$ 2,004.00		\$ 2,004.00
Sediment Basin	2	EA	\$ 1,762.00	= \$ 3,524.00		\$ 3,524.00
Concrete Washout Basin	1	EA	\$ 900.00	= \$ 900.00		\$ 900.00
<i>[insert items not listed but part of construction plans]</i>						
MAINTENANCE (35% of Construction BMPs)				= \$ 22,329.30		\$ 22,329.30
Section 1 Subtotal				= \$ 425,217.30		\$ 425,217.30

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS						
Construction Traffic Control	1	LS	\$ 3,000.00	= \$ 3,000.00		\$ 3,000.00
Aggregate Base Course (135 lbs/cf)	10,260	Tons	\$ 28.00	= \$ 287,280.00		\$ 287,280.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.00	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 19.00	= \$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 29.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) 4" thick	6,820	Tons	\$ 88.00	= \$ 600,160.00		\$ 600,160.00
Raised Median, Paved		SF	\$ 8.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	15	EA	\$ 300.00	= \$ 4,500.00		\$ 4,500.00
Guide/Street Name Sign	10	EA	\$ 100.00	= \$ 1,000.00		\$ 1,000.00
Epoxy Pavement Marking		SF	\$ 13.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	= \$ -		\$ -
Barricade - Type 3	4	EA	\$ 200.00	= \$ 800.00		\$ 800.00
Delineator - Type I		EA	\$ 24.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	2,520	LF	\$ 30.00	= \$ 75,600.00		\$ 75,600.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	10,050	LF	\$ 30.00	= \$ 301,500.00		\$ 301,500.00
4" Sidewalk (common areas only)		SY	\$ 48.00	= \$ -		\$ -
5" Sidewalk	6,280	SY	\$ 60.00	= \$ 376,800.00		\$ 376,800.00
6" Sidewalk		SY	\$ 72.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 96.00	= \$ -		\$ -
Pedestrian Ramp	71	EA	\$ 1,150.00	= \$ 81,650.00		\$ 81,650.00
Cross Pan, local (8" thick, 6' wide to include return)	75	LF	\$ 61.00	= \$ 4,575.00		\$ 4,575.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,480.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	= \$ -		\$ -

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Project Name

9/23/2020
Date

SF-18-025
PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>						
STORM DRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF				
18" Reinforced Concrete Pipe	309	LF	\$ 65.00	20,085.00		20,085.00
24" Reinforced Concrete Pipe	982	LF	\$ 78.00	76,596.00		76,596.00
30" Reinforced Concrete Pipe	372	LF	\$ 97.00	36,084.00		36,084.00
36" Reinforced Concrete Pipe	811	LF	\$ 120.00	97,320.00		97,320.00
42" Reinforced Concrete Pipe	619	LF	\$ 160.00	99,040.00		99,040.00
48" Reinforced Concrete Pipe	311	LF	\$ 195.00	60,645.00		60,645.00
54" Reinforced Concrete Pipe		LF	\$ 245.00	-		-
60" Reinforced Concrete Pipe	117	LF	\$ 288.00	33,696.00		33,696.00
66" Reinforced Concrete Pipe		LF	\$ 332.00	-		-
72" Reinforced Concrete Pipe		LF	\$ 380.00	-		-
18" Corrugated Steel Pipe		LF	\$ 84.00	-		-
24" Corrugated Steel Pipe		LF	\$ 96.00	-		-
30" Corrugated Steel Pipe		LF	\$ 122.00	-		-
36" Corrugated Steel Pipe		LF	\$ 147.00	-		-
42" Corrugated Steel Pipe		LF	\$ 168.00	-		-
48" Corrugated Steel Pipe		LF	\$ 178.00	-		-
54" Corrugated Steel Pipe		LF	\$ 260.00	-		-
60" Corrugated Steel Pipe		LF	\$ 280.00	-		-
66" Corrugated Steel Pipe		LF	\$ 340.00	-		-
72" Corrugated Steel Pipe		LF	\$ 400.00	-		-
78" Corrugated Steel Pipe		LF	\$ 460.00	-		-
84" Corrugated Steel Pipe		LF	\$ 550.00	-		-
Flared End Section (FES) RCP Size = 18" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 390.00	390.00		390.00
Flared End Section (FES) CSP Size = 30" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 582.00	582.00		582.00
Flared End Section (FES) CSP Size = 36" <i>(unit cost = 6x pipe unit cost)</i>	4	EA	\$ 720.00	2,880.00		2,880.00
Flared End Section (FES) CSP Size = 42" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 960.00	1,920.00		1,920.00
End Treatment- Headwall		EA		-		-
End Treatment- Wingwall		EA		-		-
End Treatment - Cutoff Wall		EA		-		-
Curb Inlet (Type R) L=5', Depth < 5'	3	EA	\$ 5,542.00	16,626.00		16,626.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00	-		-
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	-		-
Curb Inlet (Type R) L =10', Depth < 5'	8	EA	\$ 7,627.00	61,016.00		61,016.00
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7,861.00	-		-
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	-		-
Curb Inlet (Type R) L =15', Depth < 5'	1	EA	\$ 9,918.00	9,918.00		9,918.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 10,633.00	-		-
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	-		-
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570.00	-		-
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	-		-
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	-		-
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	-		-
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	-		-
Storm Sewer Manhole, Slab Base	8	EA	\$ 6,395.00	51,160.00		51,160.00
Geotextile (Erosion Control)	45	SY	\$ 6.00	270.00		270.00
Rip Rap, d50 size from 6" to 24"	30	Tons	\$ 80.00	2,400.00		2,400.00
Rip Rap, Grouted		Tons	\$ 95.00	-		-
Drainage Channel Construction, Size (W x H)		LF		-		-
Drainage Channel Lining, Concrete		CY	\$ 570.00	-		-
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	-		-
Drainage Channel Lining, Grass		AC	\$ 1,469.00	-		-
Drainage Channel Lining, Other Stabilization				-		-
<i>[insert items not listed but part of construction plans]</i>						
Section 2 Subtotal				\$ 2,307,493.00		\$ 2,307,493.00

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SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	3,943	LF	\$ 64.00	= \$	252,352.00	\$ 252,352.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	= \$	-	\$ -
Gate Valves, 8"	33	EA	\$ 1,858.00	= \$	61,314.00	\$ 61,314.00
Fire Hydrant Assembly, w/ all valves	9	EA	\$ 6,597.00	= \$	59,373.00	\$ 59,373.00
Water Service Line Installation, inc. tap and valves	98	EA	\$ 1,324.00	= \$	129,752.00	\$ 129,752.00
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
[insert items not listed but part of construction plans]						
				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"	7,361	LF	\$ 64.00	= \$	471,104.00	\$ 471,104.00
Sanitary Sewer Manhole, Depth < 15 feet	30	EA	\$ 4,386.00	= \$	131,580.00	\$ 131,580.00
Sanitary Service Line Installation, complete	98	EA	\$ 1,402.00	= \$	137,396.00	\$ 137,396.00
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
[insert items not listed but part of construction plans]						
				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
Section 3 Subtotal				= \$	1,242,871.00	\$ 1,242,871.00

** - Section 3 is not subject to defect warranty requirements

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					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 3,000.00	= \$ 3,000.00		\$ 3,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,500.00	= \$ 1,500.00		\$ 1,500.00
Total Construction Financial Assurance						\$ 3,980,081.30
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 3,980,081.30
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 529,316.60
(20% of all items identified as (*). 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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.



Engineer (P.E. Seal Required)

[Handwritten Signature]

Approved by Owner / Applicant

Date

10/27/2020

Approved by El Paso County Engineer / ECM Administrator

Date