

2021 Financial Assurance Estimate Form  
(with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
Sterling Ranch F2 with offsite storm	6/26/2021	SF-2015
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>								
* 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		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min	56,850	CY	\$ 2.50	=	\$ 175,000.00		\$ 175,000.00	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)	27	AC	\$ 828.00	=	\$ 22,356.00		\$ 22,356.00	
* Mulching	27	AC	\$ 777.00	=	\$ 20,979.00		\$ 20,979.00	
* Permanent Erosion Control Blanket	14,100	SY	\$ 6.00	=	\$ 84,600.00		\$ 84,600.00	
* Permanent Pond/BMP Construction	3,500	CY	\$ 21.00	=	\$ 73,500.00		\$ 73,500.00	
* Permanent Pond/BMP (Spillway)	2	EA	\$ 10,000.00	=	\$ 20,000.00		\$ 20,000.00	
* Permanent Pond/BMP (Outlet Structure)	2	EA	\$ 15,000.00	=	\$ 30,000.00		\$ 30,000.00	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control	4	EA	\$ 2,453.00	=	\$ 9,812.00		\$ 9,812.00	
Silt Fence	5,001	LF	\$ 2.60	=	\$ 13,002.60		\$ 13,002.60	
Temporary Seeding	23	AC	\$ 650.00	=	\$ 14,950.00		\$ 14,950.00	
Temporary Mulch	23	AC	\$ 777.00	=	\$ 17,871.00		\$ 17,871.00	
Erosion Bales	16	EA	\$ 26.00	=	\$ 416.00		\$ 416.00	
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -	
Rock Check Dams	31	EA	\$ 518.00	=	\$ 16,058.00		\$ 16,058.00	
Inlet Protection	23	EA	\$ 173.00	=	\$ 3,979.00		\$ 3,979.00	
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -	
Concrete Washout Basin	3	EA	\$ 932.00	=	\$ 2,796.00		\$ 2,796.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 27,609.61		\$ 27,609.61
<b>Section 1 Subtotal</b>					=	<b>\$ 532,929.21</b>		<b>\$ 532,929.21</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>								
<b>ROADWAY IMPROVEMENTS</b>								
Construction Traffic Control	1	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)	1,851	CY	\$ 52.00	=	\$ 96,252.00		\$ 96,252.00	
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -	
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -	
Asphalt Pavement (6" thick)	7,273	SY	\$ 30.00	=	\$ 218,190.00		\$ 218,190.00	
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -	
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign	10	EA	\$ 311.00	=	\$ 3,110.00		\$ 3,110.00	
Guide/Street Name Sign	12	EA	\$ 200.00	=	\$ 2,400.00		\$ 2,400.00	
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -	
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -	
Barricade - Type 3	2	EA	\$ 207.00	=	\$ 414.00		\$ 414.00	
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -	
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)	3,539	LF	\$ 31.00	=	\$ 109,709.00		\$ 109,709.00	
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -	
5" Sidewalk	3,190	SY	\$ 62.00	=	\$ 197,780.00		\$ 197,780.00	
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -	
Pedestrian Ramp	18	EA	\$ 1,190.00	=	\$ 21,420.00		\$ 21,420.00	
Cross Pan, local (8" thick, 6' wide to include return)	600	LF	\$ 63.00	=	\$ 37,800.00		\$ 37,800.00	
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -	
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -	
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -	
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -	
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -	
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -	
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -	
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -	
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -	
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -	

**PROJECT INFORMATION**

Sterling Ranch F2 with offsite storm

6/26/2021

SF-2015

Project Name

Date

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>				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	731	LF	\$ 67.00	=	\$ 48,977.00		\$ 48,977.00
24" Reinforced Concrete Pipe	464	LF	\$ 81.00	=	\$ 37,584.00		\$ 37,584.00
30" Reinforced Concrete Pipe	492	LF	\$ 100.00	=	\$ 49,200.00		\$ 49,200.00
36" Reinforced Concrete Pipe	651	LF	\$ 124.00	=	\$ 80,724.00		\$ 80,724.00
42" Reinforced Concrete Pipe	606	LF	\$ 166.00	=	\$ 100,596.00		\$ 100,596.00
48" Reinforced Concrete Pipe	1,830	LF	\$ 202.00	=	\$ 369,660.00		\$ 369,660.00
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe	1,919	LF	\$ 344.00	=	\$ 660,136.00		\$ 660,136.00
72" Reinforced Concrete Pipe	2,658	LF	\$ 393.00	=	\$ 1,044,594.00		\$ 1,044,594.00
84" Reinforced Concrete Pipe	329	LF	\$ 520.00	=	\$ 171,080.00		\$ 171,080.00
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 960.00	=	\$ 1,920.00		\$ 1,920.00
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 720.00	=	\$ 1,440.00		\$ 1,440.00
Flared End Section (FES) RCP Size = 30 <i>(unit cost = 6x pipe unit cost)</i>	3	EA	\$ 582.00	=	\$ 1,746.00		\$ 1,746.00
Flared End Section (FES) RCP Size = 18 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 390.00	=	\$ 390.00		\$ 390.00
Temp. (FES) RCP Size = 66 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 1,992.00	=	\$ 1,992.00		\$ 1,992.00
Temp. (FES) RCP Size = 72 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 2,280.00	=	\$ 2,280.00		\$ 2,280.00
End Treatment- Headwall	2	EA	\$ 10,000.00	=	\$ 20,000.00		\$ 20,000.00
End Treatment- Wingwall	2	EA	\$ 18,000.00	=	\$ 36,000.00		\$ 36,000.00
End Treatment - Cutoff Wall	3	EA	\$ 1,000.00	=	\$ 3,000.00		\$ 3,000.00
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,736.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	10	EA	\$ 8,136.00	=	\$ 81,360.00		\$ 81,360.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	6	EA	\$ 11,005.00	=	\$ 66,030.00		\$ 66,030.00
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	22	EA	\$ 12,034.00	=	\$ 264,748.00		\$ 264,748.00
Storm Sewer Manhole, Slab Base	4	EA	\$ 6,619.00	=	\$ 26,476.00		\$ 26,476.00
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	1,965	Tons	\$ 83.00	=	\$ 163,095.00		\$ 163,095.00
Rip Rap, Grouted	197	Tons	\$ 98.00	=	\$ 19,306.00		\$ 19,306.00
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>Section 2 Subtotal</b>					<b>=</b>	<b>\$ 3,944,409.00</b>	<b>\$ 3,944,409.00</b>

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

**PROJECT INFORMATION**

<b>Sterling Ranch F2 with offsite storm</b>	<b>6/26/2021</b>	<b>SF-2015</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	3,207	LF	\$ 66.00	=	\$ 211,662.00		\$ 211,662.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"	28	EA	\$ 1,923.00	=	\$ 53,844.00		\$ 53,844.00
Fire Hydrant Assembly, w/ all valves	7	EA	\$ 6,828.00	=	\$ 47,796.00		\$ 47,796.00
Water Service Line Installation, inc. tap and valves	49	EA	\$ 1,370.00	=	\$ 67,130.00		\$ 67,130.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"	2,918	LF	\$ 66.00	=	\$ 192,588.00		\$ 192,588.00
Sanitary Sewer Manhole, Depth < 15 feet	9	EA	\$ 4,540.00	=	\$ 40,860.00		\$ 40,860.00
Sanitary Service Line Installation, complete	49	EA	\$ 1,451.00	=	\$ 71,099.00		\$ 71,099.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sewer Main Underdrains	2,918	LF	\$ 25.00	=	\$ 72,950.00		\$ 72,950.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
LS Tracts & Buffers	27,000	SF	\$ 3.75	=	\$ 101,250.00		\$ 101,250.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 859,179.00</b>	<b>\$ 859,179.00</b>

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

**PROJECT INFORMATION**

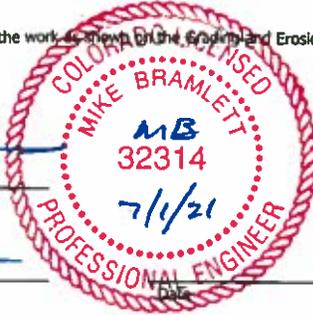
<b>Sterling Ranch F2 with offsite storm</b>	<b>6/26/2021</b>	<b>SF-2015</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV BMPs)		LS	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 15,000.00	= \$ 15,000.00		\$ 15,000.00
<b>Total Construction Financial Assurance</b>						<b>\$ 5,361,517.21</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$ 5,361,517.21</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
<b>Total Defect Warranty Financial Assurance</b>						<b>\$ 874,168.80</b>
(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 shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

*Mike Bramlett*  
 \_\_\_\_\_  
 Engineer (P.E. Seal Required)



*James Mery*  
 \_\_\_\_\_  
 Approved by Owner / Applicant

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

\_\_\_\_\_  
 Date