

Some of these items need to be moved to the road construction FAE - see those comments.

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

Updated: 7/16/2019

PROJECT INFORMATION		
Sterling Ranch Filing No.2	6/4/2020	XX-XX-XXX
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		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min	56,850	CY	\$ 2.50	=	\$ 175,000.00	40.00%	\$ 105,000.00	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)	27	AC	\$ 800.00	=	\$ 21,200.00		\$ 21,200.00	
* Mulching	27	AC	\$ 750.00	=	\$ 19,875.00		\$ 19,875.00	
* Permanent Erosion Control Blanket	14,100	SY	\$ 6.00	=	\$ 84,600.00		\$ 84,600.00	
* Permanent Pond/BMP Construction	35,000	CY	\$ 20.00	=	\$ 700,000.00	30.00%	\$ 490,000.00	
* 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	\$ 2,370.00	=	\$ 9,480.00		\$ 9,480.00	
Silt Fence	5,001	LF	\$ 2.50	=	\$ 12,502.50		\$ 12,502.50	
Temporary Seeding	23	AC	\$ 628.00	=	\$ 14,444.00		\$ 14,444.00	
Temporary Mulch	23	AC	\$ 750.00	=	\$ 17,250.00		\$ 17,250.00	
Erosion Bales/Rock Socks	16	EA	\$ 25.00	=	\$ 400.00		\$ 400.00	
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -	
Rock Check Dams	3	EA	\$ 500.00	=	\$ 1,500.00		\$ 1,500.00	
Inlet Protection	23	EA	\$ 167.00	=	\$ 3,841.00		\$ 3,841.00	
Temp. Sediment Basin	3	EA	\$ 1,762.00	=	\$ 5,286.00		\$ 5,286.00	
Concrete Washout Basin	3	EA	\$ 900.00	=	\$ 2,700.00		\$ 2,700.00	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 23,591.23		\$ 23,591.23
Section 1 Subtotal					=	\$ 1,141,669.73		\$ 861,669.73
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control	1	LS	\$ 25,000.00	=	\$ 25,000.00		\$ 25,000.00	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -	
Aggregate Base Course 8" (135 lbs/cf)	6,382	CY	\$ 50.00	=	\$ 319,100.00		\$ 319,100.00	
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -	
Asphalt Pavement (4" thick)		SY	\$ 19.00	=	\$ -		\$ -	
Asphalt Pavement (5" thick)	28,658	SY	\$ 24.00	=	\$ 687,792.00		\$ 687,792.00	
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 88.00	=	\$ -		\$ -	
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign	19	EA	\$ 300.00	=	\$ 5,700.00		\$ 5,700.00	
Guide/Street Name Sign	11	EA		=	\$ -		\$ -	
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -	
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -	
Barricade - Type 3	9	EA	\$ 200.00	=	\$ 1,800.00		\$ 1,800.00	
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)	7,523	LF	\$ 30.00	=	\$ 225,690.00		\$ 225,690.00	
Curb and Gutter, Type B (Median)	1,154	LF	\$ 30.00	=	\$ 34,620.00		\$ 34,620.00	
Curb and Gutter, Type C (Ramp)	3,539	LF	\$ 30.00	=	\$ 106,170.00		\$ 106,170.00	
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -	
5" Sidewalk	5,079	SY	\$ 60.00	=	\$ 304,740.00		\$ 304,740.00	
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -	
Pedestrian Ramp	29	EA	\$ 1,150.00	=	\$ 33,350.00		\$ 33,350.00	
Cross Pan, local (8" thick, 6' wide to include return)	787	LF	\$ 61.00	=	\$ 48,007.00		\$ 48,007.00	
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	\$ 425,000.00	=	\$ -		\$ -	

PROJECT INFORMATION

Sterling Ranch Filing No.2	6/4/2020	XX-XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	731	LF	\$ 65.00	=	\$ 47,515.00		\$ 47,515.00
24" Reinforced Concrete Pipe	464	LF	\$ 78.00	=	\$ 36,192.00		\$ 36,192.00
30" Reinforced Concrete Pipe	492	LF	\$ 97.00	=	\$ 47,724.00		\$ 47,724.00
36" Reinforced Concrete Pipe	651	LF	\$ 120.00	=	\$ 78,120.00		\$ 78,120.00
42" Reinforced Concrete Pipe	598	LF	\$ 160.00	=	\$ 95,680.00		\$ 95,680.00
48" Reinforced Concrete Pipe	1,266	LF	\$ 195.00	=	\$ 246,870.00		\$ 246,870.00
54" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe	1,915	LF	\$ 332.00	=	\$ 635,780.00		\$ 635,780.00
72" Reinforced Concrete Pipe	2,738	LF	\$ 380.00	=	\$ 1,040,440.00		\$ 1,040,440.00
84" Reinforced Concrete Pipe	329	LF	\$ 520.00	=	\$ 171,080.00		\$ 171,080.00
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 = 42 <small>(unit cost = 6x pipe unit cost)</small>	2	EA	\$ 960.00	=	\$ 1,920.00		\$ 1,920.00
Flared End Section (FES) CSP Size = 36 <small>(unit cost = 6x pipe unit cost)</small>	2	EA	\$ 720.00	=	\$ 1,440.00		\$ 1,440.00
Flared End Section (FES) RCP Size = 30 <small>(unit cost = 6x pipe unit cost)</small>	2	EA	\$ 582.00	=	\$ 1,164.00		\$ 1,164.00
Flared End Section (FES) RCP Size = 24 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 468.00	=	\$ 468.00		\$ 468.00
Flared End Section (FES) RCP Size = 18 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 390.00	=	\$ 390.00		\$ 390.00
Temp. (FES) RCP Size = 66 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 1,992.00	=	\$ 1,992.00		\$ 1,992.00
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	\$ 5,542.00	=	\$ -		\$ -
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'		EA	\$ 7,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	10	EA	\$ 7,861.00	=	\$ 78,610.00		\$ 78,610.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 9,918.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	6	EA	\$ 10,633.00	=	\$ 63,798.00		\$ 63,798.00
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	22	EA	\$ 11,627.00	=	\$ 255,794.00		\$ 255,794.00
Storm Sewer Manhole, Slab Base	4	EA	\$ 6,395.00	=	\$ 25,580.00		\$ 25,580.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	1,965	Tons	\$ 80.00	=	\$ 157,200.00		\$ 157,200.00
Rip Rap, Grouted	197	Tons	\$ 95.00	=	\$ 18,715.00		\$ 18,715.00
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				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 4,857,441.00		\$ 4,857,441.00

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

PROJECT INFORMATION

Sterling Ranch Filing No.2	6/4/2020	XX-XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
Utility Relocates	1	EA	\$ 112,500	=	\$ -		\$ -
				=	\$ 112,500.00		\$ 112,500.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
Detention Pond W-4	1	EA	\$ 65,000	=	\$ 65,000.00		\$ 65,000.00
Detention Pond W-5	1	EA	\$ 75,000	=	\$ 75,000.00		\$ 75,000.00
Mod CDOT Outlet Structure	2	EA	\$ 15,000	=	\$ 30,000.00		\$ 30,000.00
Forebay Structure	1	EA	\$ 15,000	=	\$ 15,000.00		\$ 15,000.00
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	3,207	LF	\$ 64.00	=	\$ 205,248.00		\$ 205,248.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"	28	EA	\$ 1,858.00	=	\$ 52,024.00		\$ 52,024.00
Fire Hydrant Assembly, w/ all valves	7	EA	\$ 6,597.00	=	\$ 46,179.00		\$ 46,179.00
Water Service Line Installation, inc. tap and valves	49	EA	\$ 1,324.00	=	\$ 64,876.00		\$ 64,876.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	2,918	LF	\$ 64.00	=	\$ 186,752.00		\$ 186,752.00
Sanitary Sewer Manhole, Depth < 15 feet	9	EA	\$ 4,386.00	=	\$ 39,474.00		\$ 39,474.00
Sanitary Service Line Installation, complete	49	EA	\$ 1,402.00	=	\$ 68,698.00		\$ 68,698.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Sewer Main Underdrains		LF	\$ 25.00	=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
LS Tracts & Buffers	75,000	SF	\$ 3.75	=	\$ 281,250.00		\$ 281,250.00
Trails		SF	\$ 2.50	=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				=	\$ -		\$ -
Section 3 Subtotal					=	\$ 1,242,001.00	\$ 1,242,001.00

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

Are these duplicative?

trees and shrubs; this needs more detail

provide qty

PROJECT INFORMATION

Sterling Ranch Filing No.2	6/4/2020	XX-XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)				= \$ -		\$ -
(Includes POND/BMP CERTIFICATION, elev.s and volume calculations)		LS	\$ 15,000.00	= \$ 15,000.00		\$ 15,000.00
Total Construction Financial Assurance						\$ 7,256,111.73
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 6,976,111.73
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 1,181,623.20
(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)

 Approved by Owner / Applicant

 Date

 Approved by El Paso County Engineer / ECM Administrator

 Date