

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

PROJECT INFORMATION		
Sterling Ranch Filing 3	6/13/2022	SF-2132
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	60,500	CY	\$ 2.50	= \$ 175,000.00	80.00%	\$ 35,000.00
greater than 200,000, \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	3	AC	\$ 828.00	= \$ 2,484.00		\$ 2,484.00
* Mulching	3	AC	\$ 777.00	= \$ 2,331.00		\$ 2,331.00
* Permanent Erosion Control Blanket		SY	\$ 5.00	= \$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	= \$ -		\$ -
* Permanent Pond/BMP (Spillway)		EA	\$ 10,000.00	= \$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)		EA	\$ 15,000.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket	4,000	SY	\$ 3.00	= \$ 12,000.00		\$ 12,000.00
Vehicle Tracking Control	2	EA	\$ 2,453.00	= \$ 4,906.00		\$ 4,906.00
Silt Fence	1,700	LF	\$ 2.60	= \$ 4,420.00		\$ 4,420.00
Temporary Seeding	10	AC	\$ 650.00	= \$ 6,500.00		\$ 6,500.00
Temporary Mulch	10	AC	\$ 777.00	= \$ 7,770.00		\$ 7,770.00
Erosion Bales	16	EA	\$ 26.00	= \$ 416.00		\$ 416.00
Erosion Logs/Straw Waddle		LF	\$ 5.00	= \$ -		\$ -
Rock Check Dams	13	EA	\$ 518.00	= \$ 6,734.00		\$ 6,734.00
Inlet Protection	10	EA	\$ 173.00	= \$ 1,730.00		\$ 1,730.00
Sediment Basin		EA	\$ 1,824.00	= \$ -		\$ -
Concrete Washout Basin	1	EA	\$ 932.00	= \$ 932.00		\$ 932.00
<i>[insert items not listed but part of construction plans]</i>						
				MAINTENANCE (35% of Construction BMPs)	= \$ 15,892.80	\$ 15,892.80
				Section 1 Subtotal	= \$ 241,115.80	\$ 101,115.80

* 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	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	2,230	CY	\$ 52.00	= \$ 115,960.00		\$ 115,960.00
Asphalt Pavement (3" thick)		SY	\$ 14.50	= \$ -		\$ -
Asphalt Pavement (4" thick)	9,950	SY	\$ 20.00	= \$ 199,000.00		\$ 199,000.00
Asphalt Pavement (5" thick)		SY	\$ 30.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 91.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	= \$ -		\$ -
Regulatory Sign/Advisory Sign	7	EA	\$ 311.00	= \$ 2,177.00		\$ 2,177.00
Guide/Street Name Sign	14	EA	\$ 200.00	= \$ 2,800.00		\$ 2,800.00
Epoxy Pavement Marking		SF	\$ 14.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	= \$ -		\$ -
Barricade - Type 3	4	EA	\$ 207.00	= \$ 828.00		\$ 828.00
Delineator - Type 1		EA	\$ 25.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,510	LF	\$ 31.00	= \$ 46,810.00		\$ 46,810.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	4,490	LF	\$ 31.00	= \$ 139,190.00		\$ 139,190.00
4" Sidewalk (common areas only)		SY	\$ 50.00	= \$ -		\$ -
5" Sidewalk	3,300	SY	\$ 62.00	= \$ 204,600.00		\$ 204,600.00
6" Sidewalk		SY	\$ 75.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 99.00	= \$ -		\$ -
Pedestrian Ramp	11	EA	\$ 1,190.00	= \$ 13,090.00		\$ 13,090.00
Cross Pan, local (8" thick, 6' wide to include return)	200	LF	\$ 63.00	= \$ 12,600.00		\$ 12,600.00
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 Filing 3

6/13/2022

SF-2132

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>				\$ -		\$ -
STORM DRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF		\$ -		\$ -
18" Reinforced Concrete Pipe	1,138	LF	\$ 57.00	75,246.00		75,246.00
24" Reinforced Concrete Pipe	126	LF	\$ 81.00	10,206.00		10,206.00
30" Reinforced Concrete Pipe		LF	\$ 100.00	-		-
36" Reinforced Concrete Pipe	512	LF	\$ 124.00	63,488.00		63,488.00
42" Reinforced Concrete Pipe		LF	\$ 166.00	-		-
48" Reinforced Concrete Pipe		LF	\$ 202.00	-		-
54" Reinforced Concrete Pipe		LF	\$ 254.00	-		-
60" Reinforced Concrete Pipe		LF	\$ 298.00	-		-
66" Reinforced Concrete Pipe		LF	\$ 344.00	-		-
72" Reinforced Concrete Pipe		LF	\$ 393.00	-		-
84" Reinforced Concrete Pipe		LF	\$ 520.00	-		-
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 = 18 <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 960.00	-		-
Flared End Section (FES) CSP Size = 24 <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 720.00	-		-
Flared End Section (FES) RCP Size = 36 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 600.00	600.00		600.00
Flared End Section (FES) RCP Size = 18 <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 390.00	-		-
Temp (FES) RCP Size = 66 <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 1,992.00	-		-
Temp (FES) RCP Size = 72 <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 2,280.00	-		-
End Treatment - Headwall		EA	\$ 10,000.00	-		-
End Treatment - Wingwall		EA	\$ 18,000.00	-		-
End Treatment - Cutoff Wall		EA	\$ 1,000.00	-		-
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'	1	EA	\$ 8,136.00	8,136.00		8,136.00
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'	3	EA	\$ 11,005.00	33,015.00		33,015.00
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'	5	EA	\$ 4,802.00	24,010.00		24,010.00
Grated Inlet (Type D), Depth < 5'	1	EA	\$ 5,932.00	5,932.00		5,932.00
Storm Sewer Manhole, Box Base	1	EA	\$ 12,034.00	12,034.00		12,034.00
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	-		-
Geotextile (Erosion Control)		SY	\$ 6.20	-		-
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	-		-
Rip Rap, Grouted		Tons	\$ 98.00	-		-
Drainage Channel Construction, Size (W x H)		LF		\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	-		-
Drainage Channel Lining, Rip Rap		CY	\$ 115.00	-		-
Drainage Channel Lining, Grass		AC	\$ 1,520.00	-		-
Drainage Channel Lining, Other Stabilization				-		-
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
<i>* Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)</i>						
Section 2 Subtotal				\$ 975,722.00		\$ 975,722.00

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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Flat Construction)	
					% Complete	Remaining
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"	2,900	LF	\$ 66.00	\$ 191,400.00	100.00%	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	\$ -	100.00%	\$ -
Gate Valves, 8"	9	EA	\$ 1,923.00	\$ 17,307.00	100.00%	\$ -
Fire Hydrant Assembly, w/ all valves	5	EA	\$ 6,828.00	\$ 34,140.00	100.00%	\$ -
Water Service Line Installation, inc. tap and valves	66	EA	\$ 1,370.00	\$ 90,420.00	100.00%	\$ -
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"	2,455	LF	\$ 66.00	\$ 162,030.00	100.00%	\$ -
Sanitary Sewer Manhole, Depth < 15 feet	8	EA	\$ 4,540.00	\$ 36,320.00	100.00%	\$ -
Sanitary Service Line Installation, complete	66	EA	\$ 1,451.00	\$ 95,766.00	100.00%	\$ -
Sanitary Sewer Lift Station, complete		EA		\$ -		\$ -
Sewer Main Underdrains	2,455	LF	\$ 25.00	\$ 61,375.00	100.00%	\$ -
				\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>						
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval or PUD)						
Upland Native Seed Mix	66,837	SF	\$ 1.00	\$ 66,837.00		\$ 66,837.00
Deciduous Trees	7	EA	\$ 450.00	\$ 3,150.00		\$ 3,150.00
Evergreen Trees	50	EA	\$ 600.00	\$ 30,000.00		\$ 30,000.00
Landscape Groundcover Install	1	LS	\$ 40,080.00	\$ 40,080.00		\$ 40,080.00
Landscape Tree Install	1	LS	\$ 9,960.00	\$ 9,960.00		\$ 9,960.00
1-4' wall (per face square foot)	732	SF	\$ 40.00	\$ 29,280.00		\$ 29,280.00
Section 3 Subtotal				\$ 868,065.00		\$ 179,307.00

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

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Sterling Ranch Filing 3	6/13/2022	SF-2132
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)		LS	\$ 10,000.00	\$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		\$ -		\$ -
Total Construction Financial Assurance						\$ 2,094,902.80
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 1,266,144.80
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 231,107.40
(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.

Mike Bramlett

Engineer (P.E. Seal Required)



Jana Mey

Approved by Owner / Applicant

6/30/22

Date

Approved by El Paso County Engineer / ECM Administrator

Date