

Update to 2023 form

Full Review will be completed on next submittal when storm system has been revised.

2022 Financial Assurance Estimate Form (with pre-plat construction)

ECB shown on GEC Plan's Legend. Add quantity here.

Show all decimals or round off
Updated: 11/4/2021

PROJECT INFORMATION			
FOURSQUARE AT STERLING RANCH EAST FILING NO.:	DEC. 2, 2022	PCD File No.	SF2236
Project Name	Date		

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	17,130	CY	\$ 5.00	= \$ 85,650.00			\$ 85,650.00
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -			\$ -
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.)	41.2	AC	\$ 886.00	= \$ 36,538.64			\$ 36,538.64
* Mulching	41.2	AC	\$ 831.00	= \$ 34,270.44			\$ 34,270.44
* Permanent Erosion Control Blanket		SY	\$ 7.00	= \$ -			\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	= \$ -			\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		= \$ -			\$ -
Safety Fence		EA		= \$ -			\$ -
Temporary Erosion Control Blanket		LF	\$ 3.00	= \$ -			\$ -
Vehicle Tracking Control	1	EA	\$ 2,625.00	= \$ 2,625.00			\$ 2,625.00
Silt Fence	2,270	LF	\$ 3.00	= \$ 6,810.00			\$ 6,810.00
Temporary Seeding	41.2	AC	\$ 695.00	= \$ 28,661.80			\$ 28,661.80
Temporary Mulch	41.2	AC	\$ 831.00	= \$ 34,270.44			\$ 34,270.44
Erosion Bales		EA	\$ 28.00	= \$ -			\$ -
Erosion Logs/Straw Wattles	18	LF	\$ 6.00	= \$ 108.00			\$ 108.00
Rock Check Dams		EA	\$ 554.00	= \$ -			\$ -
Inlet Protection	8	EA	\$ 185.00	= \$ 1,480.00			\$ 1,480.00
Sediment Basin	1	EA	\$ 1,952.00	= \$ 1,952.00			\$ 1,952.00
Concrete Washout Basin	1	EA	\$ 997.00	= \$ 997.00			\$ 997.00
[insert items not listed but part of construction plans]				= \$ -			\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 26,916.48			\$ 26,916.48
Section 1 Subtotal				= \$ 260,279.80			\$ 260,279.80

* - 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		LS		= \$ -			\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	= \$ -			\$ -
Aggregate Base Course (135 lbs/cf) 8" thick	4,405	CY	\$ 56.00	= \$ 246,680.00			\$ 246,680.00
Asphalt Pavement (3" thick)		SY	\$ 16.00	= \$ -			\$ -
Asphalt Pavement (4" thick)	19,722	SY	\$ 21.00	= \$ 414,162.00			\$ 414,162.00
Asphalt Pavement (6" thick)		SY	\$ 32.00	= \$ -			\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 97.00	= \$ -			\$ -
Raised Median, Paved		SF	\$ 9.00	= \$ -			\$ -
Regulatory Sign/Advisory Sign	38	EA	\$ 333.00	= \$ 12,654.00			\$ 12,654.00
Guide/Street Name Sign	17	EA	\$ 315.00	= \$ 5,355.00			\$ 5,355.00
Epoxy Pavement Marking		SF	\$ 15.00	= \$ -			\$ -
Thermoplastic Pavement Marking		SF	\$ 26.00	= \$ -			\$ -
Barricade - Type 3		EA	\$ 221.00	= \$ -			\$ -
Delineator - Type I		EA	\$ 27.00	= \$ -			\$ -
Curb and Gutter, Type A (6" Vertical)	5,569	LF	\$ 32.00	= \$ 178,194.24			\$ 178,194.24
Curb and Gutter, Type B (Median)		LF	\$ 32.00	= \$ -			\$ -
Curb and Gutter, Type C (Ramp)	4,440	LF	\$ 32.00	= \$ 142,087.04			\$ 142,087.04
4" Sidewalk (common areas only)		SY	\$ 53.00	= \$ -			\$ -
5" Sidewalk	4,892	SY	\$ 66.00	= \$ 322,872.00			\$ 322,872.00
6" Sidewalk		SY	\$ 80.00	= \$ -			\$ -
8" Sidewalk		SY	\$ 106.00	= \$ -			\$ -
Pedestrian Ramp	43	EA	\$ 1,273.00	= \$ 54,739.00			\$ 54,739.00
Cross Pan, local (8" thick, 6' wide to include return)	180	LF	\$ 67.00	= \$ 12,060.00			\$ 12,060.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 102.00	= \$ -			\$ -
Curb Chase		EA	\$ 1,639.00	= \$ -			\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 55.00	= \$ -			\$ -
Guardrail Type 7 (Concrete)		LF	\$ 80.00	= \$ -			\$ -
Guardrail End Anchorage		EA	\$ 2,324.00	= \$ -			\$ -
Guardrail Impact Attenuator		EA	\$ 4,172.00	= \$ -			\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 87.00	= \$ -			\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 89.00	= \$ -			\$ -
Electrical Conduit, Size =		LF	\$ 18.00	= \$ -			\$ -
Traffic Signal, complete intersection		EA	\$ 470,666	= \$ -			\$ -

Add cost if Briargate will be open during construction

Use 6" sidewalk at shared driveways

PROJECT INFORMATION

FOURSQUARE AT STERLING RANCH EAST FILING NO. : **DEC. 2, 2022**
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	586	LF	\$ 70.00	=	\$ 41,020.00		\$ 41,020.00
24" Reinforced Concrete Pipe	363	LF	\$ 83.00	=	\$ 30,129.00		\$ 30,129.00
30" Reinforced Concrete Pipe	487	LF	\$ 104.00	=	\$ 50,648.00		\$ 50,648.00
36" Reinforced Concrete Pipe	647	LF	\$ 128.00	=	\$ 82,816.00		\$ 82,816.00
42" Reinforced Concrete Pipe	267	LF	\$ 171.00	=	\$ 45,657.00		\$ 45,657.00
48" Reinforced Concrete Pipe		LF	\$ 209.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 272.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 319.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 368.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 421.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 90.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 103.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 131.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 157.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 180.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 190.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 278.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 300.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 364.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 428.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 492.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 588.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	4	EA	\$ 6,138.00	=	\$ 24,552.00		\$ 24,552.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 9,242.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'	2	EA	\$ 8,447.00	=	\$ 16,894.00		\$ 16,894.00
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,898.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,984.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	1	EA	\$ 11,775.00	=	\$ 11,775.00		\$ 11,775.00
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	1	EA	\$ 12,876.00	=	\$ 12,876.00		\$ 12,876.00
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 11,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,920.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	7	EA	\$ 12,876.00	=	\$ 90,132.00		\$ 90,132.00
Storm Sewer Manhole, Slab Base	2	EA	\$ 7,082.00	=	\$ 14,164.00		\$ 14,164.00
Geotextile (Erosion Control)		SY	\$ 7.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 105.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 631.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$ -		\$ -
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					=	\$ 1,809,466.28	\$ 1,809,466.28

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

Add private shared driveways

PROJECT INFORMATION		
FOURSQUARE AT STERLING RANCH EAST FILING NO.:	DEC. 2, 2022	
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							
Geotextile (under riprap)	1,062	SY	\$ 7.00	=	\$ 7,434.00		\$ 7,434.00
Riprap (Spillway & Pond outfall)	1,075	TONS	\$ 89.00	=	\$ 95,675.00		\$ 95,675.00
18" RCP Storm		LF	\$ 70.00	=	\$ -		\$ -
24" RCP Storm		LF	\$ 83.00	=	\$ -		\$ -
30" RCP Storm		LF	\$ 104.00	=	\$ -		\$ -
36" RCP Storm		LF	\$ 128.00	=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
48" RCP Storm		LF	\$ 209.00	=	\$ -		\$ -
Type C Inlets		EA	\$ 5,138.00	=	\$ -		\$ -
Type II Storm Manhole		EA	\$ 7,082.00	=	\$ -		\$ -
Type I Storm Manhole		EA	\$ 12,876.00	=	\$ -		\$ -
Permanent Pond 16	1	EA	\$200,000.00	=	\$ 200,000.00		\$ 200,000.00
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	4,570	LF	\$ 71.00	=	\$ 324,470.00		\$ 324,470.00
Water Main Pipe (PVC), Size 24"	57	LF	\$ 100.00	=	\$ 5,700.00		\$ 5,700.00
Water Main Pipe (Ductile Iron), Size 24"	58	LF	\$ 120.00	=	\$ 6,960.00		\$ 6,960.00
Gate Valves, 8"	38	EA	\$ 2,058.00	=	\$ 78,204.00		\$ 78,204.00
Butterfly Valves, 24"	6	EA	\$ 9,835.00	=	\$ 59,010.00		\$ 59,010.00
Fire Hydrant Assembly, w/ all valves	10	EA	\$ 7,306.00	=	\$ 73,060.00		\$ 73,060.00
Post Hydrant Assembly, w/ all valves	1	EA	\$ 6,500.00	=	\$ 6,500.00		\$ 6,500.00
Water Service Line Installation, inc. tap and valves	158	EA	\$ 1,466.00	=	\$ 231,628.00		\$ 231,628.00
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"	4,892	LF	\$ 71.00	=	\$ 347,332.00		\$ 347,332.00
Sanitary Sewer Manhole, Depth < 15 feet	8	EA	\$ 4,858.00	=	\$ 38,864.00		\$ 38,864.00
Sanitary Sewer Manhole, Depth > 15 feet	8	EA	\$ 5,829.00	=	\$ 46,632.00		\$ 46,632.00
Sanitary Service Line Installation, complete	158	EA	\$ 1,553.00	=	\$ 245,374.00		\$ 245,374.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
Sound Wall	2,656	LF	\$ 20.00	=	\$ 53,120.00		\$ 53,120.00
		LF		=	\$ -		\$ -

Add landscaping as required by the PUD. This shall include the landscape adj to Sterling and briargate also.

Briargate Soundwall & Sterling Ranch Road buffer wall

PROJECT INFORMATION

FOURSQUARE AT STERLING RANCH EAST FILING NO. :

DEC. 2, 2022

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 1,819,963.00	\$ 1,819,963.00
** - Section 3 is not subject to defect warranty requirements							
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,800.00	=	\$ 1,800.00		\$ 1,800.00
Total Construction Financial Assurance						\$	3,894,009.08
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	3,894,009.08
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	393,185.07
(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