

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

Updated: 11/4/2021

PROJECT INFORMATION		
Skyline at Lorson Ranch Filing No. 1	5/3/2022	100.063
Project Name	Date	PCD File No. SF 22-001

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	24,000	CY	\$ 3.50	=	\$ 100,000.00	100.00%	\$ -	
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.)	10	AC	\$ 886.00	=	\$ 8,860.00		\$ 8,860.00	
* Mulching	10	AC	\$ 831.00	=	\$ 8,310.00		\$ 8,310.00	
* Permanent Erosion Control Blanket	4,700	SY	\$ 7.00	=	\$ 32,900.00		\$ 32,900.00	
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
Pond forebay, concrete low flow channel	1	EA	\$ 36,200.00	=	\$ 36,200.00		\$ 36,200.00	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control	2	EA	\$ 2,625.00	=	\$ 5,250.00		\$ 5,250.00	
Silt Fence	1,500	LF	\$ 3.00	=	\$ 4,500.00		\$ 4,500.00	
Temporary Seeding	5	AC	\$ 695.00	=	\$ 3,475.00		\$ 3,475.00	
Temporary Mulch	5	AC	\$ 831.00	=	\$ 4,155.00		\$ 4,155.00	
Erosion Bales		EA	\$ 28.00	=	\$ -		\$ -	
Erosion Logs/Straw Wattles		LF	\$ 6.00	=	\$ -		\$ -	
Rock Check Dams		EA	\$ 554.00	=	\$ -		\$ -	
Inlet Protection	4	EA	\$ 185.00	=	\$ 740.00		\$ 740.00	
Sediment Trap	1	EA	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00	
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)					=	\$ 7,390.95		\$ 7,390.95
Section 1 Subtotal					=	\$ 214,777.95		\$ 114,777.95
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)	3,755	Tons	\$ 31.00	=	\$ 116,405.00		\$ 116,405.00	
Aggregate Base Course (135 lbs/cf)		CY	\$ 56.00	=	\$ -		\$ -	
Asphalt Pavement (3" thick)		SY	\$ 16.00	=	\$ -		\$ -	
Asphalt Pavement (4" thick)		SY	\$ 21.00	=	\$ -		\$ -	
Asphalt Pavement (6" thick)		SY	\$ 32.00	=	\$ -		\$ -	
Asphalt Pavement (147 lbs/cf) <u>4" thick</u>	2,700	Tons	\$ 97.00	=	\$ 261,900.00		\$ 261,900.00	
Raised Median, Paved		SF	\$ 9.00	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign	13	EA	\$ 333.00	=	\$ 4,329.00		\$ 4,329.00	
Guide/Street Name Sign	12	EA		=	\$ -		\$ -	
Epoxy Pavement Marking	600	SF	\$ 15.00	=	\$ 9,000.00		\$ 9,000.00	
Thermoplastic Pavement Marking	130	SF	\$ 26.00	=	\$ 3,380.00		\$ 3,380.00	
Barricade - Type 3	2	EA	\$ 221.00	=	\$ 442.00		\$ 442.00	
Delineator - Type I		EA	\$ 27.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)	1,020	LF	\$ 32.00	=	\$ 32,640.00		\$ 32,640.00	
Curb and Gutter, Type B (Median)		LF	\$ 32.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)	4,620	LF	\$ 32.00	=	\$ 147,840.00		\$ 147,840.00	
4" Sidewalk (common areas only)	570	SY	\$ 53.00	=	\$ 30,210.00		\$ 30,210.00	
5" Sidewalk	2,566	SY	\$ 66.00	=	\$ 169,356.00		\$ 169,356.00	
6" Sidewalk		SY	\$ 80.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 106.00	=	\$ -		\$ -	
Pedestrian Ramp	19	EA	\$ 1,273.00	=	\$ 24,187.00		\$ 24,187.00	
Cross Pan, local (8" thick, 6' wide to include return)	70	LF	\$ 67.00	=	\$ 4,690.00		\$ 4,690.00	
Cross Pan, collector (9" thick, 8' wide to include return)	75	LF	\$ 102.00	=	\$ 7,650.00		\$ 7,650.00	
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	=	\$ -		\$ -	

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 Project Name Date PCD File No. SF 22-001

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	40	LF	\$ 70.00	=	\$	2,800.00		\$ 2,800.00	
24" Reinforced Concrete Pipe	60	LF	\$ 83.00	=	\$	4,980.00		\$ 4,980.00	
30" Reinforced Concrete Pipe	600	LF	\$ 104.00	=	\$	62,400.00		\$ 62,400.00	
36" Reinforced Concrete Pipe		LF	\$ 128.00	=	\$	-		\$ -	
42" Reinforced Concrete Pipe		LF	\$ 171.00	=	\$	-		\$ -	
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 =		EA		=	\$	-		\$ -	
(unit cost = 6x pipe unit cost)									
Flared End Section (FES) CSP Size =		EA		=	\$	-		\$ -	
(unit cost = 6x pipe unit cost)									
End Treatment- Headwall		EA		=	\$	-		\$ -	
End Treatment- Wingwall		EA		=	\$	-		\$ -	
End Treatment - Cutoff Wall		EA		=	\$	-		\$ -	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	=	\$	-		\$ -	
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'		EA	\$ 8,447.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	1	EA	\$ 8,706.00	=	\$	8,706.00		\$ 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'		EA	\$ 12,876.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 11,706.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'	1	EA	\$ 12,920.00	=	\$	12,920.00		\$ 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	1	EA	\$ 12,876.00	=	\$	12,876.00		\$ 12,876.00	
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00	=	\$	-		\$ -	
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						\$ 933,486.00		\$ 933,486.00	

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

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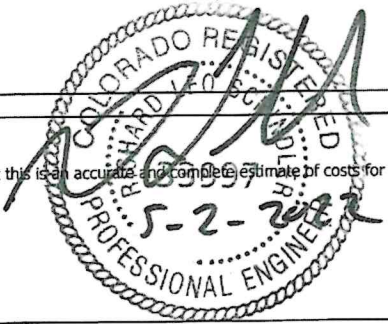
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**								
ROADWAY IMPROVEMENTS								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	2,630	LF	\$ 71.00	=	\$ 186,730.00	100.00%	\$ -	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -	
Gate Valves, 8"	18	EA	\$ 2,058.00	=	\$ 37,044.00	100.00%	\$ -	
Fire Hydrant Assembly, w/ all valves	6	EA	\$ 7,306.00	=	\$ 43,836.00	100.00%	\$ -	
Water Service Line Installation, inc. tap and valves	86	EA	\$ 1,466.00	=	\$ 126,076.00	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"	2,500	LF	\$ 71.00	=	\$ 177,500.00	100.00%	\$ -	
Sanitary Sewer Manhole, Depth < 15 feet	11	EA	\$ 4,858.00	=	\$ 53,438.00	100.00%	\$ -	
Sanitary Service Line Installation, complete	85	EA	\$ 1,553.00	=	\$ 132,005.00	100.00%	\$ -	
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -	
4" underdrain	2,500	LF	\$ 25.00	=	\$ 62,500.00	100.00%	\$ -	
<i>[insert items not listed but part of construction plans]</i>								
				=	\$ -		\$ -	
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)								
LANDSCAPING IMPROVEMENTS	1	LS	\$181,730.00	=	\$ 181,730.00		\$ 181,730.00	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 1,000,859.00		\$ 181,730.00

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

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Project Name	Date	PCD File No. SF 22-001

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 4,000.00	= \$ 4,000.00		\$ 4,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 2,000.00	= \$ 2,000.00		\$ 2,000.00
Total Construction Financial Assurance						\$ 2,155,122.95
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 1,235,993.95
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 223,951.20
(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)

[Handwritten Signature]

Approved by Owner / Applicant

5/3/22

Date

Approved by El Paso County Engineer / ECM Administrator

Date