

Please use the 2023 Financial Assurance Estimate Form:
<https://planningdevelopment.elpasoco.com/planning-development-forms/#1584029763943-19bc4c03-3586>

Revise to VR233

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

Add quantities for rows highlighted in orange below.

Updated: 11/4/2021

PROJECT INFORMATION		
Claremont Business Park 2 Filing No. 2	2/27/2023	SF-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	2,500	CY	\$ 6.00	=	\$ 15,000.00		\$ 15,000.00
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		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	1	AC	\$ 886.00	=	\$ 1,107.50		\$ 1,107.50
* Mulching	1	AC	\$ 831.00	=	\$ 1,038.75		\$ 1,038.75
* Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,625.00	=	\$ 2,625.00		\$ 2,625.00
Silt Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Seeding		AC	\$ 695.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 831.00	=	\$ -		\$ -
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 Basin		EA	\$ 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)					=	\$ 1,526.70	\$ 1,526.70
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
Section 1 Subtotal					=	\$ 23,034.95	\$ 23,034.95
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)		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) _" thick		Tons	\$ 97.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 9.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 333.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
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)		LF	\$ 32.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 32.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 32.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 53.00	=	\$ -		\$ -
5" Sidewalk	260	SY	\$ 66.00	=	\$ 17,160.00		\$ 17,160.00
6" Sidewalk		SY	\$ 80.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 106.00	=	\$ -		\$ -
Pedestrian Ramp	2	EA	\$ 1,273.00	=	\$ 2,546.00		\$ 2,546.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 67.00	=	\$ -		\$ -
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	=	\$ -		\$ -

PROJECT INFORMATION

Claremont Business Park 2 Filing No. 2 2/27/2023 SF-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		LF	\$ 70.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 83.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$ -		\$ -
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 = <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'		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'		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'		EA	\$ 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'		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		EA	\$ 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					=	\$ 19,706.00	\$ 19,706.00

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

PROJECT INFORMATION			
Claremont Business Park 2 Filing No. 2	2/27/2023	SF-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						
Aggregate Base Course (135 lbs/cf) w/offsite pkg	558	CY	\$ 56.00	= \$ 31,248.00		\$ 31,248.00
Asphalt Pavement (4" thick) w/offsite pkg	2,516	SY	\$ 21.00	= \$ 52,836.00		\$ 52,836.00
Guide/Street Name Sign	2	EA	\$ 250.00	= \$ 500.00		\$ 500.00
Curb and Gutter, Type B (Median) w/offsite pkg	1,087	LF	\$ 32.00	= \$ 34,784.00		\$ 34,784.00
Curb and Gutter, Type A (6" Vertical)	74	LF	\$ 32.00	= \$ 2,368.00		\$ 2,368.00
Cross Pan, collector (9" thick, 8' wide to include return)	50	LF	\$ 102.00	= \$ 5,100.00		\$ 5,100.00
5" Sidewalk	333	SY	\$ 66.00	= \$ 21,978.00		\$ 21,978.00
Pedestrian Ramp	2	EA	\$ 1,273.00	= \$ 2,546.00		\$ 2,546.00
				= \$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
24" Reinforced Concrete Pipe	415	LF	\$ 83.00	= \$ 34,445.00		\$ 34,445.00
18" Reinforced Concrete Pipe	424	LF	\$ 70.00	= \$ 29,680.00		\$ 29,680.00
12" Reinforced Concrete Pipe		LF	\$ 60.00	= \$ -		\$ -
Flared End Section (FES) RCP Size =(unit cost = 6x pipe u	3	EA	\$ 1,122.00	= \$ 3,366.00		\$ 3,366.00
Curb Inlet (Type R) L=5', Depth < 5'	2	EA	\$ 6,138.00	= \$ 12,276.00		\$ 12,276.00
Storm Sewer Manhole, Slab Base	7	EA	\$ 7,082.00	= \$ 49,574.00		\$ 49,574.00
WQ Sand Filter Pond/Retaining Walls	1	EA	\$ 50,000.00	= \$ 50,000.00		\$ 50,000.00
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	439	LF	\$ 71.00	= \$ 31,169.00		\$ 31,169.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	= \$ -		\$ -
Gate Valves, 8"	5	EA	\$ 2,058.00	= \$ 10,290.00		\$ 10,290.00
Fire Hydrant Assembly, w/ all valves	1	EA	\$ 7,306.00	= \$ 7,306.00		\$ 7,306.00
Water Service Line Installation, inc. tap and valves	4	EA	\$ 1,466.00	= \$ 5,864.00		\$ 5,864.00
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"	537	LF	\$ 71.00	= \$ 38,127.00		\$ 38,127.00
Sanitary Sewer Manhole, Depth < 15 feet	5	EA	\$ 4,858.00	= \$ 24,290.00		\$ 24,290.00
Sanitary Service Line Installation, complete	4	EA	\$ 1,553.00	= \$ 6,212.00		\$ 6,212.00
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)						
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
Section 3 Subtotal				= \$ 453,959.00		\$ 453,959.00

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

Include landscaping improvements as landscaping is required for commercial developments

Drainage report estimates 851 LF of 24" pipe. Please revise for consistency.

- | | | | |
|----|---------------------------|-----|----|
| 1. | 18" PP | 394 | LF |
| 2. | 18" RCP | 50 | LF |
| 3. | 18" RCP FES | 2 | LF |
| 4. | 24" PP | 851 | LF |
| 5. | Type L Riprap | 6 | CY |
| 6. | CDOT Type C Grated Inlet | 1 | EA |
| 7. | CDOT Type R 5' Sump Inlet | 2 | EA |
| 8. | Type II Manhole | 7 | EA |
| 9. | WQCV Sand Filter Pond | 1 | EA |

PROJECT INFORMATION		
Claremont Business Park 2 Filing No. 2	2/27/2023	SF-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)		LS	= \$	-	\$	-
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	= \$	-	\$	-
Total Construction Financial Assurance					\$	496,699.95
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Construction Financial Assurance (with Pre-Plat Construction)					\$	496,699.95
(Subtotals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	7,370.45
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Provide costs for As-Built Plans and Pond certification

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

 Approved by El Paso County Engineer / ECM Administrator

 Date

 Date

V1_FAE Redlines.pdf Markup Summary

Kylie Bagley (1)

Include landscaping improvements as landscaping is required for commercial developments

Subject: Text Box
Page Label: 3
Author: Kylie Bagley
Date: 3/29/2023 9:09:31 AM
Length: 0
Area: 0
Volume: 0

Include landscaping improvements as landscaping is required for commercial developments

Glenn Reese - EPC Stormwater (6)

Revise to VR233

Subject: SW - Textbox with Arrow
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 3/28/2023 5:11:19 PM
Length: 0
Area: 0
Volume: 0

Revise to VR233

Subject: SW - Rectangle
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 3/28/2023 5:33:58 PM
Length: 0
Area: 0
Volume: 0

Subject: SW - Rectangle
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 3/28/2023 5:34:01 PM
Length: 0
Area: 0
Volume: 0

Subject: SW - Rectangle
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 3/28/2023 5:34:05 PM
Length: 0
Area: 0
Volume: 0

Subject: SW - Rectangle
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 3/28/2023 5:34:24 PM
Length: 0
Area: 0
Volume: 0

rm Add quantities for rows highlighted in orange below.

PROJECT INFORMATION			
2/27/2023			
Date			
Units	Cost		Total

Subject: SW - Textbox
Page Label: 1
Author: Glenn Reese - EPC Stormwater
Date: 3/28/2023 5:34:42 PM
Length: 0
Area: 0
Volume: 0

Add quantities for rows highlighted in orange below.

Carlos (4)

001 Drainage Report (Rev) (1)

PROJECT INFORMATION			
2/27/2023			
Date			
Units	Cost		Total

Subject: Text Box
Page Label: 1
Author: Carlos
Date: 3/28/2023 11:43:57 AM
Length: 0
Area: 0
Volume: 0

Please use the 2023 Financial Assurance Estimate Form:
<https://planningdevelopment.elpasoco.com/planning-development-forms/#1584029763943-19bc4c03-3586>

001 Drainage Report (Rev) (1)

Subject: Text Box
Page Label: 3
Author: Carlos
Date: 3/28/2023 11:42:42 AM
Length: 0
Area: 0
Volume: 0

Drainage report estimates 851 LF of 24" pipe. Please revise for consistency.

1.	1" PIP	304	LF
2.	1" PIP	92	LF
3.	1" PIP FTS	82	LF
4.	1" PIP	82	LF
5.	1" Duct	4	CY
6.	1" DUCT Pipe (1" Same In	1	SA
7.	1" DUCT Pipe (1" Same In	1	SA
8.	1" Duct Manhole	1	SA
9.	1" DUCT Inlet Filter Point	1	SA

Subject: Image
Page Label: 3
Author: Carlos
Date: 3/28/2023 11:42:41 AM
Length: 0
Area: 0
Volume: 0

ements Inc. Permanent HQCV (AMP) elevations and volume calculations)

PROJECT INFORMATION	
2/27/2023	
Date	
Units	Cost

Provide costs for As-Built Plans and Pond certification

Subject: Text Box
Page Label: 4
Author: Carlos
Date: 3/28/2023 11:40:24 AM
Length: 0
Area: 0
Volume: 0

Provide costs for As-Built Plans and Pond certification