

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

Updated: 11/4/2021

PROJECT INFORMATION		
Citizen on Constitution	10/26/2022	SF226
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	35,800	CY	\$ 3.50	=	\$ 125,300.00		\$ 125,300.00	
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.)	5	AC	\$ 886.00	=	\$ 4,430.00		\$ 4,430.00	
* Mulching	5	AC	\$ 831.00	=	\$ 4,155.00		\$ 4,155.00	
* Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction	2,720	CY	\$ 22.00	=	\$ 59,840.00		\$ 59,840.00	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Safety Fence	3,410	LF	\$ 3.00	=	\$ 10,230.00		\$ 10,230.00	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control	2	EA	\$ 2,625.00	=	\$ 5,250.00		\$ 5,250.00	
Silt Fence	1,422	LF	\$ 3.00	=	\$ 4,266.00		\$ 4,266.00	
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	5	EA	\$ 554.00	=	\$ 2,770.00		\$ 2,770.00	
Inlet/Outlet Protection	23	EA	\$ 185.00	=	\$ 4,255.00		\$ 4,255.00	
Sediment Basin	1	EA	\$ 1,952.00	=	\$ 1,952.00		\$ 1,952.00	
Concrete Washout Basin	1	EA	\$ 997.00	=	\$ 997.00		\$ 997.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 9,492.00		\$ 9,492.00
Section 1 Subtotal					=	\$ 240,567.00		\$ 240,567.00

* - 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	\$ 31.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	550	CY	\$ 56.00	=	\$ 30,800.00		\$ 30,800.00
Asphalt Pavement (3" thick)		SY	\$ 16.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	3,200	SY	\$ 21.00	=	\$ 67,200.00		\$ 67,200.00
Asphalt Pavement (6" thick)		SY	\$ 32.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 97.00	=	\$ -		\$ -
Raised Median, Paved	3,076	SF	\$ 9.00	=	\$ 27,684.00		\$ 27,684.00
Regulatory Sign/Advisory Sign	14	EA	\$ 333.00	=	\$ 4,662.00		\$ 4,662.00
Guide/Street Name Sign	3	EA	\$ 333.00	=	\$ 999.00		\$ 999.00
Epoxy Pavement Marking	1,980	SF	\$ 15.00	=	\$ 29,700.00		\$ 29,700.00
Thermoplastic Pavement Marking	750	SF	\$ 26.00	=	\$ 19,500.00		\$ 19,500.00
Barricade - Type 3		EA	\$ 221.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 27.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,202	LF	\$ 32.00	=	\$ 38,464.00		\$ 38,464.00
Curb and Gutter, Type B (Median)	1,332	LF	\$ 32.00	=	\$ 42,624.00		\$ 42,624.00
Curb and Gutter, Type C (Ramp)	25	LF	\$ 32.00	=	\$ 800.00		\$ 800.00
4" Sidewalk (common areas only)	1,440	SY	\$ 53.00	=	\$ 76,320.00		\$ 76,320.00
5" Sidewalk		SY	\$ 66.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 80.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 106.00	=	\$ -		\$ -
Pedestrian Ramp	18	EA	\$ 1,273.00	=	\$ 22,914.00		\$ 22,914.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 67.00	=	\$ -		\$ -
Cross Pan, arterial (9" thick, 10' wide to include return)	80	LF	\$ 120.00	=	\$ 9,600.00		\$ 9,600.00
Curb Chase		EA	\$ 1,639.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)	235	LF	\$ 55.00	=	\$ 12,925.00		\$ 12,925.00
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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Citizen on Constitution		10/26/2022		SF226			
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
RAB Central Island Cover	1,818	SF	\$ 9.00	=	\$ 16,362.00		\$ 16,362.00
RAB Concrete Truck Apron	286	SY	\$ 80.00	=	\$ 22,880.00		\$ 22,880.00
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	284	LF	\$ 70.00	=	\$ 19,880.00		\$ 19,880.00
24" Reinforced Concrete Pipe	102	LF	\$ 83.00	=	\$ 8,466.00		\$ 8,466.00
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 = 18 (unit cost = 6x pipe unit cost)	1	EA	\$ 420.00	=	\$ 420.00		\$ 420.00
Flared End Section (FES) RCP Size = 24 (unit cost = 6x pipe unit cost)	1	EA	\$ 498.00	=	\$ 498.00		\$ 498.00
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	2	EA	\$ 6,138.00	=	\$ 12,276.00		\$ 12,276.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2	EA	\$ 7,981.00	=	\$ 15,962.00		\$ 15,962.00
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'	1	EA	\$ 10,984.00	=	\$ 10,984.00		\$ 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'	1	EA	\$ 5,138.00	=	\$ 5,138.00		\$ 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	=	\$ -		\$ -
Soil Rip Rap, Type L, size from 3" to 15"	102	Tons	\$ 75.00	=	\$ 7,650.00		\$ 7,650.00
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]				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 509,708.00	\$ 509,708.00

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						% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
Relocated Emergency Access Road	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
Retaining Wall	520	SF	\$ 75.00	=	\$ 39,000.00		\$ 39,000.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
12" Reinforced Concrete Pipe (or HDPE Pipe)	988	LF	\$ 60.00	=	\$ 59,280.00		\$ 59,280.00
18" Reinforced Concrete Pipe (or HDPE Pipe)	1,034	LF	\$ 65.00	=	\$ 67,210.00		\$ 67,210.00
24" Reinforced Concrete Pipe (or HDPE Pipe)	633	LF	\$ 78.00	=	\$ 49,374.00		\$ 49,374.00
30" Reinforced Concrete Pipe (or HDPE Pipe)	150	LF	\$ 97.00	=	\$ 14,550.00		\$ 14,550.00
Curb Inlet (Type R) L=5'	10	EA	\$ 7,440.00	=	\$ 74,400.00		\$ 74,400.00
Grated Inlet (Type 13)	6	EA	\$ 4,640.00	=	\$ 27,840.00		\$ 27,840.00
Storm Sewer Manhole, Slab Base	8	EA	\$ 6,395.00	=	\$ 51,160.00		\$ 51,160.00
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	2,030	LF	\$ 71.00	=	\$ 144,130.00		\$ 144,130.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -
Gate Valves, 8"	15	EA	\$ 2,058.00	=	\$ 30,870.00		\$ 30,870.00
Fire Hydrant Assembly, w/ all valves	4	EA	\$ 7,306.00	=	\$ 29,224.00		\$ 29,224.00
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"	832	LF	\$ 71.00	=	\$ 59,072.00		\$ 59,072.00
Sanitary Sewer Manhole, Depth < 15 feet	3	EA	\$ 4,858.00	=	\$ 14,574.00		\$ 14,574.00
Sanitary Service Line Installation, complete	6	EA	\$ 1,553.00	=	\$ 9,318.00		\$ 9,318.00
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		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 685,866.00	\$ 685,866.00

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

PROJECT INFORMATION

Citizen on Constitution	10/26/2022	SF226
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	\$ 3,500.00	= \$ 3,500.00	\$	3,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,500.00	= \$ 1,500.00	\$	1,500.00
Total Construction Financial Assurance					\$	1,441,141.00
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	1,441,141.00
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	140,686.60
(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

10/25/22

Date

APPROVED
Engineering Department

11/21/2022 5:19:11 PM
dsdnijkamp

Approved by El Paso County Engineer / ECM Administrator

EPC Planning & Community Development Department