

2019 Financial Assurance Estimate Form
(with pre-plat construction)

Use the higher value of cut and fill volumes, not net volume, since it is possible that the existing undocumented fill will need to be replaced

Updated: 7/16/2019

PROJECT INFORMATION		
Urban Collection at Palmer Village	10/29/2020	XX-XX-XXX
Project Name	Date	PCD File No. SF-20-028

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	6,900	CY	\$ 5.00	= \$ 34,900.00		\$ 34,900.00
20,001-50,000; \$100,000 min	22,865	CY	\$ 2.50	= \$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	= \$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.50	= \$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 800.00	= \$ -		\$ -
* Mulching		AC	\$ 750.00	= \$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	= \$ -		\$ -
* Permanent Pond/BMP Construction	2,685	CY	\$ 20.00	= \$ 53,700.00		\$ 53,700.00
* Permanent Pond/BMP (Spillway)	1	EA	\$ -	= \$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)	2	EA	\$ -	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,370.00	= \$ 4,740.00		\$ 4,740.00
Silt Fence	2,774	LF	\$ 2.50	= \$ 6,935.00		\$ 6,935.00
Temporary Seeding	3.9	AC	\$ 628.00	= \$ 2,449.20		\$ 2,449.20
Temporary Mulch	3.9	AC	\$ 750.00	= \$ 2,925.00		\$ 2,925.00
Erosion Bales		EA	\$ 25.00	= \$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	= \$ -		\$ -
Rock Check Dams	3	EA	\$ 500.00	= \$ 1,500.00		\$ 1,500.00
Inlet Protection	15	EA	\$ 167.00	= \$ 2,505.00		\$ 2,505.00
Sediment Basin		EA	\$ 1,762.00	= \$ -		\$ -
Concrete Washout Basin	1	EA	\$ 900.00	= \$ 900.00		\$ 900.00
Outlet Protection	2	EA	\$ 167.00	= \$ 334.00		\$ 334.00
Stabilized Staging Area	2,000	SY	\$ 2.00	= \$ 4,000.00		\$ 4,000.00
[insert items not listed but part of construction plans]			\$ -	= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 9,200.87		\$ 9,200.87
Section 1 Subtotal				= \$ 124,089.07		\$ 124,089.07

* - 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	\$ 15,000.00	= \$ 15,000.00		\$ 15,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.00	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 19.00	= \$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 29.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 88.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 300.00	= \$ -		\$ -
Guide/Street Name Sign		EA	\$ -	= \$ -		\$ -
Epoxy Pavement Marking		SF	\$ 13.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	= \$ -		\$ -
Barricade - Type 3		EA	\$ 200.00	= \$ -		\$ -
Delineator - Type I		EA	\$ 24.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	170	LF	\$ 30.00	= \$ 5,100.00		\$ 5,100.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	95	LF	\$ 30.00	= \$ 2,850.00		\$ 2,850.00
4" Sidewalk (common areas only)	600	SY	\$ 48.00	= \$ 28,800.00		\$ 28,800.00
5" Sidewalk		SY	\$ 60.00	= \$ -		\$ -
6" Sidewalk	1,185	SY	\$ 72.00	= \$ 85,320.00		\$ 85,320.00
8" Sidewalk		SY	\$ 96.00	= \$ -		\$ -
Pedestrian Ramp	8	EA	\$ 1,150.00	= \$ 9,200.00		\$ 9,200.00
Cross Pan, local (8" thick, 6' wide to include return)	56	LF	\$ 61.00	= \$ 3,416.00		\$ 3,416.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,480.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	= \$ -		\$ -

PROJECT INFORMATION

Urban Collection at Palmer Village 10/29/2020 XX-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	\$ 65.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 78.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 97.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 120.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 160.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 195.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 122.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 147.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 168.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 178.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 260.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 340.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 460.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 550.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size =		EA		=	\$ -		\$ -
<small>(unit cost = 6x pipe unit cost)</small>							
Flared End Section (FES) CSP Size =		EA		=	\$ -		\$ -
<small>(unit cost = 6x pipe unit cost)</small>							
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7,861.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 9,918.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 10,633.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 95.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -		\$ -
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					=	\$ 149,686.00	\$ 149,686.00

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

PROJECT INFORMATION		
Urban Collection at Palmer Village	10/29/2020	XX-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								
Asphalt Pavement (4" thick)	8,800	SY	\$ 19.00	=	\$ 167,200.00		\$ 167,200.00	
Curb and Gutter, Type A (6" Vertical)	2,600	LF	\$ 30.00	=	\$ 78,000.00		\$ 78,000.00	
Curb and Gutter, Type B (Median)	120	LF	\$ 30.00	=	\$ 3,600.00		\$ 3,600.00	
Curb and Gutter, Type C (Ramp)	60	LF	\$ 30.00	=	\$ 1,800.00		\$ 1,800.00	
4" Sidewalk (common areas only)	1,550	SY	\$ 48.00	=	\$ 74,400.00		\$ 74,400.00	
Pedestrian Ramp	22	EA	\$ 1,150.00	=	\$ 25,300.00		\$ 25,300.00	
Cross Pan, local (8" thick, 6' wide to include return)	120	LF	\$ 61.00	=	\$ 7,320.00		\$ 7,320.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
18" Reinforced Concrete Pipe	480	LF	\$ 65.00	=	\$ 31,200.00		\$ 31,200.00	
24" Reinforced Concrete Pipe	32	LF	\$ 78.00	=	\$ 2,496.00		\$ 2,496.00	
30" Reinforced Concrete Pipe	355	LF	\$ 97.00	=	\$ 34,435.00		\$ 34,435.00	
Grated Inlet (Type C), Depth < 5'	1	EA	\$ 4,640.00	=	\$ 4,640.00		\$ 4,640.00	
Type 16 Inlet, Single	1	EA	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00	
Type 16 Inlet, Double	7	EA	\$ 4,250.00	=	\$ 29,750.00		\$ 29,750.00	
Type 16 Inlet, Triple	3	EA	\$ 6,500.00	=	\$ 19,500.00		\$ 19,500.00	
Storm Sewer Manhole, Slab Base	11	EA	\$ 6,395.00	=	\$ 70,345.00		\$ 70,345.00	
Rip Rap, d50 size from 6" to 24"	60	Tons	\$ 80.00	=	\$ 4,800.00		\$ 4,800.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	3,125	LF	\$ 64.00	=	\$ 200,000.00		\$ 200,000.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -	
Gate Valves, 8"	36	EA	\$ 1,858.00	=	\$ 66,888.00		\$ 66,888.00	
Fire Hydrant Assembly, w/ all valves	6	EA	\$ 6,597.00	=	\$ 39,582.00		\$ 39,582.00	
Water Service Line Installation, inc. tap and valves	100	EA	\$ 1,324.00	=	\$ 132,400.00		\$ 132,400.00	
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"	2,725	LF	\$ 64.00	=	\$ 174,400.00		\$ 174,400.00	
Sanitary Sewer Manhole, Depth < 15 feet	18	EA	\$ 4,386.00	=	\$ 78,948.00		\$ 78,948.00	
Sanitary Service Line Installation, complete	100	EA	\$ 1,402.00	=	\$ 140,200.00		\$ 140,200.00	
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)								
Add costs per LS Plan		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 1,389,204.00		\$ 1,389,204.00

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

Landscape and fencing here please; attach an itemized sheet if necessary...

PROJECT INFORMATION		
Urban Collection at Palmer Village	10/29/2020	XX-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					\$	1,662,979.07
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	1,662,979.07
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	47,657.20
(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)

 Approved by Owner / Applicant

 Approved by El Paso County Engineer / ECM Administrator

 Date

 Date