

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

Updated: 6/7/2019

## PROJECT INFORMATION

Cloverleaf Subdivision	9/9/2020	SP-20-2
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>								
* 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		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min	172,715	CY	\$ 2.50	=	\$ 431,787.50		\$ 431,787.50	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)	36	AC	\$ 800.00	=	\$ 28,624.00		\$ 28,624.00	
* Erosion Control Blanket	2,516	SY	\$ 6.00	=	\$ 15,096.00		\$ 15,096.00	
* Mulching	36	AC	\$ 750.00	=	\$ 26,835.00		\$ 26,835.00	
Vehicle Tracking Control	3	EA	\$ 2,370.00	=	\$ 7,110.00		\$ 7,110.00	
Construction Fence	1,440	LF	\$ 2.00	=	\$ 2,880.00		\$ 2,880.00	
Concrete Washout Area	1	EA	\$ 900.00	=	\$ 900.00		\$ 900.00	
Silt Fence	6,002	LF	\$ 2.50	=	\$ 15,005.00		\$ 15,005.00	
Stabilized Staging Area	2,000	SY	\$ 2.00	=	\$ 4,000.00		\$ 4,000.00	
Check Dams (Straw)	6	EA	\$ 500.00	=	\$ 3,000.00		\$ 3,000.00	
Inlet Protection	1	EA	\$ 167.00	=	\$ 167.00		\$ 167.00	
Sediment Basin	5	EA	\$ 1,762.00	=	\$ 8,810.00		\$ 8,810.00	
Rough Cut Street Control	35	EA	\$ 100.00	=	\$ 3,500.00		\$ 3,500.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 12,068.70		\$ 12,068.70
<b>Section 1 Subtotal</b>					=	\$ 559,783.20		\$ 559,783.20

\* - 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 \*

<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control		LS	\$ 25,000.00	=	\$ -		\$ -
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) 2" thick		Tons	\$ 88.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 8" 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)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 30.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 60.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,150.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 61.00	=	\$ -		\$ -
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	=	\$ -		\$ -

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						% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
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 = 18" <small>(unit cost = 6x pipe unit cost)</small>		EA	\$ 250.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 24" <small>(unit cost = 6x pipe unit cost)</small>		EA	\$ 335.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 30" <small>(unit cost = 6x pipe unit cost)</small>		EA	\$ 475.00	=	\$ -		\$ -
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	\$ 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" (TYPE L)		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]				=	\$ -		\$ -
<b>Section 2 Subtotal</b>					=	\$ -	\$ -

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Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>						
<b>ROADWAY IMPROVEMENTS</b>						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<b>STORM DRAIN IMPROVEMENTS</b>						
12" HDPE		LF	\$ 65.00	= \$	-	\$ -
84" RCP		LF	\$ 420.00	= \$	-	\$ -
12" FES		EA	\$ 1,000.00	= \$	-	\$ -
18" - Flared End Sections (FES) RCP		EA	\$ 390.00	= \$	-	\$ -
Gravel Pond Maintenance Access Road		SY	\$ 45.00	= \$	-	\$ -
Channel Lining, Riprap		CY	\$ 98.00	= \$	-	\$ -
Channel Lining, Grass		AC	\$ 1,287.00	= \$	-	\$ -
* Permanent Pond/BMP Construction		CY	\$ 20.00	= \$	-	\$ -
* Permanent Pond/BMP (Spillway)		EA	\$ 4,000.00	= \$	-	\$ -
* Permanent Pond/BMP (Outlet Structure)		EA	\$ 5,000.00	= \$	-	\$ -
				= \$	-	\$ -
<b>WATER SYSTEM IMPROVEMENTS - None</b>						
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>						
<b>SANITARY SEWER IMPROVEMENTS - None</b>						
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>						
<b>LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)</b>						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
				= \$	-	\$ -
<b>Section 3 Subtotal</b>				= \$	-	\$ -
<b>AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)</b>						
		LS	\$ 5,000.00	= \$	5,000.00	\$ 5,000.00
<b>POND/BMP CERTIFICATION (inc. elevations and volume calculations)</b>						
		LS	\$ 1,000.00	= \$	1,000.00	\$ 1,000.00

<b>Total Construction Financial Assurance</b>		<b>\$ 565,783.20</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)		
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>		<b>\$ 565,783.20</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)		
<b>Total Defect Warranty Financial Assurance</b>		<b>\$ 100,468.50</b>
(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)

**Joseph W. Desjardin**



4/27/2021

Date

**APPROVED**

Engineering Department

05/24/2021 9:11:41 AM

*dsnjkamp*

EPC Planning & Community Development Department

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator