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

Updated: 6/7/2019

	PROJECT INFORMATION	
Lot 2, Claremeont Business Park Fil. No. 1A	8/20/2019	PPR -192
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit		Total	(with Pre-P	
					lotai	% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTR	UL (Construction	n and Perr	nanent BMPs)				
* Earthwork		<b>6</b> 14	12		-11	r .	
less than 1,000; \$5,300 min		CY	\$ 8,00	=	\$	\$	
1,000-5,000; \$8,000 min	1,000	CY	\$ 6.00	=	\$ 8,000.00	\$	8,000.0
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	. =	\$	\$	2
greater than 200,000; \$500,000 min		CY	\$ 2,00	=	\$ -	\$	
* Permanent Seeding (inc. noxious weed mgmnt.)	2	AC	\$ 800,00	=	\$ 1,856.00	\$	1,856.0
* Mulching	2	AC	\$ 750.00	=	\$ 1,740.00	\$	1,740.0
Permanent Erosion Control Blanket	,	SY	\$ 6.00	. =	\$	\$	2,7 10.0
* Permanent Pond/BMP Construction		CY	\$ 20.00		\$	\$	
* Permanent Pond/BMP (Water Quality Facility)	1	EA					
Permanent Pond/BMP (Outlet Structure)	1		\$ 6,000.00	=	\$ 6,000.00	\$	6,000.0
` ,	1	EA	\$ 5,000,00	=	\$ 5,000.00	\$	5,000.0
Safety Fence		LF	\$ 3,00	=	\$ -	\$	
Temporary Erosion Control Blanket		SY	\$ 3,00	=	\$ -	\$	
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$ 2,370.00	\$	2,370.0
Silt Fence	1,000	LF	\$ 2.50	=	\$ 2,500.00	\$	2,500.0
Temporary Seeding		AC	\$ 628,00	=	\$ -	\$	
Cemporary Mulch		AC	\$ 750.00	=	\$	¢	5
Erosion Bales		EA	\$ 25.00	_	\$	1 7	- 2
Erosion Logs/Straw Waddle		LF	\$ 5,00	_		3	
Rock Check Dams					\$ =	\$	
	101	EA	\$ 500,00	=	\$	\$	*
nlet Protection	1	EA	\$ 167.00	=	\$ 167.00	\$	167.0
Sediment Basin	1	EA	\$ 1,762.00	=	\$ 1,762.00	\$	1,762.0
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00	\$	900.0
		Ea	S -	=	\$	\$	*
		Ea	s -	=	\$	\$	
insert items not listed but part of construction plans]					\$ -		
	NTENANCE (35%	of Consti	uction BMPs)	-	\$ 2,694.65	\$	2,694.6
Subject to defect warranty financial assurance. A minimum of 20% shall				.59//	2,031.03	"	2,034.0
retained until final acceptance (MAXIMUM OF 80% COMPLETE		Section	on 1 Subtotal	=	\$ 32,989.65	\$	32,989.6
LOWED)							
ECTION 2 - PUBLIC IMPROVEMENTS *							
DADWAY IMPROVEMENTS		LS		-	\$ -	\$	
DADWAY IMPROVEMENTS Construction Traffic Control		LS Tons	\$ 28.00	= =			-
DADWAY IMPROVEMENTS Construction Traffic Control oggregate Base Course (135 (bs/cf)		Tons			\$ -	\$	
Construction Traffic Control Aggregate Base Course (135 (bs/cf) Aggregate Base Course (135 (bs/cf)		Tons CY	\$ 50.00		\$ - \$	\$	
Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asgregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick)		Tons CY SY	\$ 50.00 \$ 14.00		\$ - \$ - \$	\$	
Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick)		Tons CY SY SY	\$ 50.00 \$ 14.00 \$ 19.00		\$ \$ \$	\$	
CONTROLL CON		Tons CY SY SY SY	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00	=	\$	\$	
CODE TO SENTING TO SEN		Tons CY SY SY SY Tons	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00		\$ \$ \$	\$	
Construction Traffic Control suggregate Base Course (135 lbs/cf) susphalt Pavement (3" thick) susphalt Pavement (6" thick)		Tons CY SY SY SY	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00	=	\$	\$	
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onstruction Traffic Control ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign poxy Pavement Marking nermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) 'Sidewalk (common areas only) Sidewalk Sidewalt Type 3 (W-Beam) uardrail Type 7 (Concrete) uardrail Type 7 (Concrete) uardrail End Anchorage	108	Tons CY SY SY SY Tons SF EA EA SF EA LF LF LF LF SY SY EA LF	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 300.00 \$ 13.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 48.00 \$ 60.00 \$ 72.00 \$ 96.00 \$ 1,150.00 \$ 61.00 \$ 1,480.00 \$ 49.00 \$ 2,098.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	* * * * * * * * * * * * * * * * * * * *	6,480.0
construction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) 'Sidewalk (common areas only) 'Sidewalk 'Sidewalk 'Sidewalk edestrian Ramp ross Pan, local (8" lhick, 6' wide to include return) ross Pan, collector (9" thick, 8' wide to include return) urb Chase uardrail Type 3 (W-Beam) uardrail Type 7 (Concrete) uardrail Impact Attenuator	108	Tons CY SY SY Tons SF EA EA SF EA LF LF LF SY SY EA LF LF LF LF LF LF LF EA LF LF LF EA LF LF LF LF EA LF	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 8.00 \$ 300.00 \$ 13.00 \$ 23.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 48.00 \$ 60.00 \$ 72.00 \$ 92.00 \$ 1,150.00 \$ 1,480.00 \$ 49.00 \$ 72.00 \$ 30.00 \$ 72.00 \$ 92.00 \$ 1,480.00 \$ 72.00 \$ 72.00 \$ 30.00 \$ 30.		\$	* * * * * * * * * * * * * * * * * * * *	6,480.0
Construction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (4" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick laised Median, Paved legulatory Sign/Advisory Sign suide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) ' Sidewalk (common areas only) ' Sidewalk ' Sidewalk ' Sidewalk ' Sidewalk edestrian Ramp ross Pan, local (8" thick, 6' wide to include return) urb Chase uardrail Type 3 (W-Beam) uardrail Type 7 (Concrete) uardrail Type 7 (Concrete) uardrail Impact Attenuator bund Barrier Fence (CMU block, 6' high)	108	Tons CY SY SY Tons EA EA SF EA LF LF LF SY SY SY EA LF	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 8.00 \$ 300.00 \$ 13.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 48.00 \$ 60.00 \$ 72.00 \$ 96.00 \$ 1,150.00 \$ 1,480.00 \$ 49.00 \$ 72.00 \$ 2,098.00 \$ 3,767.00 \$ 3,767.00 \$ 3,767.00		\$	****************	6,480.0
Construction Traffic Control (aggregate Base Course (135 lbs/cf) (aggregate Base Course (135 lbs/cf) (asphalt Pavement (3" thick) (asphalt Pavement (4" thick) (asphalt Pavement (6" thick) (asphalt Pavement (6" thick) (asphalt Pavement (6" thick) (asphalt Pavement (6" thick) (asphalt Pavement (147 lbs/cf)" thick (asied Median, Paved (asied M	108	Tons CY SY SY Tons SF EA EA SF EA LF LF SY SY SY LF	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 8.00 \$ 300.00 \$ 13.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 48.00 \$ 60.00 \$ 72.00 \$ 92.00 \$ 1,150.00 \$ 61.00 \$ 92.00 \$ 1,480.00 \$ 72.00 \$ 2,098.00 \$ 3,767.00 \$ 78.00 \$ 80.00		\$	**************	6,480.0
Capture of the control of the contro	108	Tons CY SY SY Tons EA EA SF EA LF LF LF SY SY SY EA LF	\$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 8.00 \$ 300.00 \$ 13.00 \$ 23.00 \$ 200.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 48.00 \$ 60.00 \$ 72.00 \$ 96.00 \$ 1,150.00 \$ 1,480.00 \$ 49.00 \$ 72.00 \$ 2,098.00 \$ 3,767.00 \$ 3,767.00 \$ 3,767.00		\$	****************	6,480.0

	PROJECT INFORMATION	
Lot 2, Claremeont Business Park Fil. No. 1A	8/20/2019	PPR -192
Project Name	Date	PCD File No.

[insert items not listed but part of construction plans]  TORM DRAIN IMPROVEMENTS  Concrete Box Culvert (M Standard), Size ( W x H )  18" Reinforced Concrete Pipe  24" Reinforced Concrete Pipe	Quantity	Units	Cost	=	\$	Total	% Complete	Remaining
TORM DRAIN IMPROVEMENTS  Concrete Box Culvert (M Standard), Size ( W x H )  18" Reinforced Concrete Pipe				=	\$	2.460		
TORM DRAIN IMPROVEMENTS  Concrete Box Culvert (M Standard), Size ( W x H )  18" Reinforced Concrete Pipe				=		140	1	\$
Concrete Box Culvert (M Standard), Size ( W x H ) 18" Reinforced Concrete Pipe				-	\$			\$ -
18" Reinforced Concrete Pipe		LF		=				
·		LF	\$ 65.00	_	\$	(2.1		\$
- Hemoreta contract ripe		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		=	\$	.5		\$ -
66" Reinforced Concrete Pipe		LF		=	\$			\$ -
72" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$			\$ -
18" Corrugated Steel Pipe		LF	\$ 380.00	=	\$			\$ -
24" Corrugated Steel Pipe			\$ 84.00	=	\$			\$ -
		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 Flared End Section (FES) RCP Size =		LF	\$ 550.00	=	\$	*		\$ -
(unit cost = 6x pipe unit cost)		EA		=	\$			\$ -
Flared End Section (FES) CSP Size =		LA			1.			
(unit cost = 6x pipe unit cost)		EA		=	\$			\$ -
End Treatment- Headwall		EA		=	\$			\$ -
End Treatment- Wingwall		EΑ		=	\$			\$ -
End Treatment - Cutoff Wall		EA		=	\$			\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00	=	\$	- 2		\$ -
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		\$	2		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570.00		\$	0		\$ -
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	=		- 5		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00		\$			\$ -
Geolextile (Erosion Control)		SY	\$ 6,395,00	=	\$	•		\$
Rip Rap, d50 size from 6" to 24"		Tons		==	\$			\$ -
Rip Rap, Grouted				=	\$			•
		Tons	\$ 95.00	=	\$	-		\$ -
Orainage Channel Construction, Size ( W x H )		LF	<b>.</b> 570.60	=	\$	=		\$ .
Orainage Channel Lining, Concrete		CY	\$ 570.00	=	\$			\$ -
Orainage Channel Lining, Rip Rap		CY	\$ 112.00	=	\$	•		\$
Orainage Channel Lining, Grass		AC	\$ 1,469,00	_=	\$	_5 _		\$ -
Orainage Channel Lining, Other Stabilization				=	\$			\$ -
				=	\$	-		\$ -
nsert items not listed but part of construction plans]	+ -		H.	=	\$			\$ -
Subject to defect warranty financial assurance. A minimum of 20% sha etained until final acceptance (MAXIMUM OF 80% COMPLETE		Socile	n 2 Subtotal	=	\$	6,480.00		\$ 6,480.00

	PROJECT INFORMATION	
Lot 2, Claremeont Business Park Fil. No. 1A	8/20/2019	PPR -192
Project Name	Date	PCD File No.

			Т	Unit				(with Pre-	Plat	Construction)
Description	Quantity	Units		Cost		55	Total	% Complete		Remaining
SECTION 3 - COMMON DEVELOPMENT IMPR	OVEMENTS (Pri	vate or I	Distr	rict and NO	OT Mair	ntained	by EPC)**			
ROADWAY IMPROVEMENTS						14	-17			
					=	\$			\$	12
					=	\$			\$	
					=	\$	25		\$	*
	4				=	\$	*		\$	2
					=	\$	9		\$	· ·
					ш	\$	- 2		\$	
	tion: Permanent Pond				Section	1)				
18" Reinforced Concrete Pipe	18	LF	\$	65,00	=	\$	1,170.00		\$	1,170.00
Rip Rap, d50 size from 6" to 24"	57	Tons	\$	80.00	=	\$	4,592.00		\$	4,592.0
Geotextile (Erosion Control)	42	SY	\$	6.00	=	\$	252.00		\$	252.00
					=	\$	*		\$	
WATER SYSTEM IMPROVEMENTS										
Water Main Pipe (PVC), Size 8"		LF	\$	64.00	=	\$			\$	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	75.00	=	\$	*		\$	*
Gate Valves, 8"		EA	\$	1,858.00	=	\$	9		\$	~
Fire Hydrant Assembly, w/ all valves		EA	\$	6,597.00	=	\$	9		\$	7
Water Service Line Installation, inc. tap and valves		EA	\$	1,324.00	=	\$			\$	*
Fire Cistern Installation, complete		EA			=	\$			\$	×
					=	\$	2	_	\$	
[insert items not listed but part of construction plans]					=	\$			\$	
SANITARY SEWER IMPROVEMENTS										
Sewer Main Pipe (PVC), Size 8"		LF	\$	64.00	=	\$	2		\$	
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$	4,386.00	=	\$	3		\$	- 3
Sanitary Service Line Installation, complete		EA	\$	1,402.00	=	\$	*		\$	
Sanitary Sewer Lift Station, complete		EA			=	\$	¥		\$	- 2
					=	\$	2		\$	
[insert items not listed but part of construction plans]					=	\$			\$	
LANDSCAPING IMPROVEMENTS	(For subdivision spec	cific condition	n of a	approval, or F	UD)					
		EA			=	\$	2		\$	
		EA			=	\$	9		\$	Ä
		EA			=	\$	2		\$	
		EA			=	\$			\$	
		EA			=	\$	2		\$	-
- Section 3 is not subject to defect warranty requirements		Section	n 3	Subtotal	=	\$	6,014.00		\$	6,014.00

	PROJECT INFORMATION	
Lot 2, Claremeont Business Park Fil. No. 1A	8/20/2019	PPR -192
Project Name	Date	PCD File No.

		1	T T	Unit			(with Pre-Plat Construction)			
Description	Quantity	Units		Cost		 Total	% Complete	Remaining		
AS-BUILT PLANS (Public Improvements	inc. Permanent WQCV BMPs)	LS	\$	1.00	=	\$ 500.00	\$	500.0		
POND/BMP CERTIFICATION (inc. elevati	ons and volume calculations)	LS	\$	1.00	=	\$ 500.00	\$	500.0		

Total Construction Financial Assurance \$

46,483.65

(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 46,483.65 (Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance \$ (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.



(P.E. Seal Required) Engineer

Approved by El Paso County Engineer / ECM Administrator

**APPROVED Engineering Department** 

10/02/2019 10:26:05 AM dsdnijkamp

EPC Planning & Community Development Department