2021 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
GPAP Staging Area	2/3/2022	PPR2150
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	$ 8.00	=	$ -		$ -
5,001-20,000; $30,000 min	14,100	CY	$ 5.00	=	$ 70,500.00		$ 70,500.00
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	$ 828.00	=	$ 828.00		$ 828.00
* Mulching	0	AC	$ 777.00	=	$ -		$ -
* Permanent Erosion Control Blanket	0	SY	$ 6.00	=	$ -		$ -
* Permanent Pond/BMP Construction	0	CY	$ 21.00	=	$ -		$ -
* Permanent Pond/BMP (provide engineer's estimate)	0	EA		=	$ -		$ -
		EA		=	$ -		$ -
Safety Fence	0	LF	$ 3.00	=	$ -		$ -
Temporary Erosion Control Blanket	0	SY	$ 3.00	=	$ -		$ -
Vehicle Tracking Control	1	EA	$ 2,453.00	=	$ 2,453.00		$ 2,453.00
Silt Fence	0	LF	$ 2.60	=	$ -		$ -
Temporary Seeding	0	AC	$ 650.00	=	$ -		$ -
Temporary Mulch	0	AC	$ 777.00	=	$ -		$ -
Erosion Bales	0	EA	$ 26.00	=	$ -		$ -
Erosion Logs/Straw Waddle	10	LF	$ 5.00	=	$ 50.00		$ 50.00
Rock Check Dams	0	EA	$ 518.00	=	$ -		$ -
Inlet Protection	2	EA	$ 173.00	=	$ 346.00		$ 346.00
Sediment Basin	0	EA	$ 1,824.00	=	$ -		$ -
Concrete Washout Basin	1	EA	$ 932.00	=	$ 932.00		$ 932.00
				=	$ -		$ -
(insert items not listed but part of construction plans)				=	$ -		$ -
MAINTENANCE (35% of Construction BMPs)				=	$ 1,323.35		$ 1,323.35
* Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)			Section 1 Subtotal	=	$ 76,432.35		$ 76,432.35
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	0	LS		=	$ -		$ -
Aggregate Base Course (135 lbs/cf)	0	Tons	$ 29.00	=	$ -		$ -
Aggregate Base Course (135 lbs/cf)	0	CY	$ 52.00		$ -		$ -
Asphalt Pavement (3" thick)	0	SY	$ 14.50		$ -		$ -
Asphalt Pavement (4" thick)	0	SY	$ 20.00		$ -		$ -
Asphalt Pavement (6" thick)	0	SY	$ 30.00		$ -		$ -
Asphalt Pavement (147 lbs/cf) _" thick	0	Tons	$ 91.00	=	$ -		$ -
Raised Median, Paved	0	SF	$ 8.30	=	$ -		$ -
Regulatory Sign/Advisory Sign	0	EA	$ 311.00	=	$ -		$ -
Guide/Street Name Sign	0	EA		=	$ -		$ -
Epoxy Pavement Marking	0	SF	$ 14.00	=	$ -		$ -
Thermoplastic Pavement Marking	0	SF	$ 24.00	=	$ -		$ -
Barricade - Type 3	0	EA	$ 207.00	=	$ -		$ -
Delineator - Type I	0	EA	$ 25.00	=	$ -		$ -
Curb and Gutter, Type A (6" Vertical)	0	LF	$ 31.00	=	$ -		$ -
Curb and Gutter, Type B (Median)	0	LF	$ 31.00	=	$ -		$ -
Curb and Gutter, Type C (Ramp)	0	LF	$ 31.00	=	$ -		$ -
4" Sidewalk (common areas only)	0	SY	$ 50.00	=	$ -		$ -
5" Sidewalk	0	SY	$ 62.00	=	$ -		$ -
6" Sidewalk	0	SY	$ 75.00	=	$ -		$ -
8" Sidewalk	0	SY	$ 99.00		$ -		$ -
Pedestrian Ramp	0	EA	$ 1,190.00	=	$ -		$ -
Cross Pan, local (6" thick, 6' wide to include return)	0	LF	$ 63.00	=	$ -		$ -
Cross Pan, collector (8" thick, 8' wide to include return)	0	LF	$ 95.00		$ -		$ -
Curb Chase	0	EA	$ 1,532.00	=	$ -		$ -
Guardrail Type 8 (W-Beam)	0	LF	$ 51.00	=	$ -		$ -
Guardrail Type 7 (Concrete)	0	LF	$ 75.00	=	$ -		$ -
Guardrail End Anchorage	0	EA	$ 2,172.00	=	$ -		$ -
Guardrail Impact Attenuator	0	EA	$ 3,899.00	=	$ -		$ -
Sound Barrier Fence (CMU block, 6' high)	0	LF	$ 81.00		$ -		$ -
Sound Barrier Fence (panels, 6' high)	0	LF	$ 83.00	=	$ -		$ -
Electrical Conduit, Size =	0	LF	$ 17.00	=	$ -		$ -
Traffic Signal, complete intersection	0	EA	$ 439,875	=	$ -		$ -

PROJECT INFORMATION

GPAP Staging Area	2/3/2022	PPR2150
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)				=	$ -		$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)	0	LF		=	$ -		$ -
18" Reinforced Concrete Pipe	0	LF	$ 67.00	=	$ -		$ -
24" Reinforced Concrete Pipe	0	LF	$ 81.00	=	$ -		$ -
30" Reinforced Concrete Pipe	0	LF	$ 100.00	=	$ -		$ -
36" Reinforced Concrete Pipe	0	LF	$ 124.00	=	$ -		$ -
42" Reinforced Concrete Pipe	0	LF	$ 166.00	=	$ -		$ -
48" Reinforced Concrete Pipe	0	LF	$ 202.00	=	$ -		$ -
54" Reinforced Concrete Pipe	0	LF	$ 254.00	=	$ -		$ -
60" Reinforced Concrete Pipe	0	LF	$ 298.00	=	$ -		$ -
66" Reinforced Concrete Pipe	0	LF	$ 344.00	=	$ -		$ -
72" Reinforced Concrete Pipe	0	LF	$ 393.00	=	$ -		$ -
18" Corrugated Steel Pipe	0	LF	$ 87.00	=	$ -		$ -
24" Corrugated Steel Pipe	0	LF	$ 99.00	=	$ -		$ -
30" Corrugated Steel Pipe	0	LF	$ 126.00	=	$ -		$ -
36" Corrugated Steel Pipe	0	LF	$ 152.00	=	$ -		$ -
42" Corrugated Steel Pipe	0	LF	$ 174.00	=	$ -		$ -
48" Corrugated Steel Pipe	0	LF	$ 184.00	=	$ -		$ -
54" Corrugated Steel Pipe	0	LF	$ 269.00	=	$ -		$ -
60" Corrugated Steel Pipe	0	LF	$ 290.00	=	$ -		$ -
66" Corrugated Steel Pipe	0	LF	$ 352.00	=	$ -		$ -
72" Corrugated Steel Pipe	0	LF	$ 414.00	=	$ -		$ -
78" Corrugated Steel Pipe	0	LF	$ 476.00	=	$ -		$ -
84" Corrugated Steel Pipe	0	LF	$ 569.00	=	$ -		$ -
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)	0	EA		=	$ -		$ -
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)	0	EA		=	$ -		$ -
End Treatment- Headwall	0	EA		=	$ -		$ -
End Treatment- Wingwall	0	EA		=	$ -		$ -
End Treatment - Cutoff Wall	0	EA		=	$ -		$ -
Curb Inlet (Type R) L=5', Depth < 5'	0	EA	$ 5,736.00	=	$ -		$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	0	EA	$ 7,440.00	=	$ -		$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'	0	EA	$ 8,637.00	=	$ -		$ -
Curb Inlet (Type R) L =10', Depth < 5'	0	EA	$ 7,894.00	=	$ -		$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	0	EA	$ 8,136.00	=	$ -		$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'	0	EA	$ 10,185.00	=	$ -		$ -
Curb Inlet (Type R) L =15', Depth < 5'	0	EA	$ 10,285.00	=	$ -		$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	0	EA	$ 11,005.00	=	$ -		$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	0	EA	$ 12,034.00	=	$ -		$ -
Curb Inlet (Type R) L =20', Depth < 5'	0	EA	$ 10,940.00	=	$ -		$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'	0	EA	$ 12,075.00	=	$ -		$ -
Grated Inlet (Type C), Depth < 5'	0	EA	$ 4,802.00	=	$ -		$ -
Grated Inlet (Type D), Depth < 5'	0	EA	$ 5,932.00	=	$ -		$ -
Storm Sewer Manhole, Box Base	0	EA	$ 12,034.00	=	$ -		$ -
Storm Sewer Manhole, Slab Base	0	EA	$ 6,619.00	=	$ -		$ -
Geotextile (Erosion Control)	0	SY	$ 6.20	=	$ -		$ -
Rip Rap, d50 size from 6" to 24"	0	Tons	$ 83.00	=	$ -		$ -
Rip Rap, Grouted	0	Tons	$ 98.00	=	$ -		$ -
Drainage Channel Construction, Size (W x H)	0	LF		=	$ -		$ -
Drainage Channel Lining, Concrete	0	CY	$ 590.00	=	$ -		$ -
Drainage Channel Lining, Rip Rap	0	CY	$ 116.00	=	$ -		$ -
Drainage Channel Lining, Grass	0	AC	$ 1,520.00	=	$ -		$ -
Drainage Channel Lining, Other Stabilization	0			=	$ -		$ -
				=	$ -		$ -
(insert items not listed but part of construction plans)				=	$ -		$ -
			Section 2 Subtotal	=	$ -		$ -

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

PROJECT INFORMATION

GPAP Staging Area	2/17/2022	PPR2150
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							
None	0			=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
STORM DRAIN IMPROVEMENTS	(Exception: Permanent Pond/BMP shall be itemized under Section 1)						
None	0			=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
				=	$ -		$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	0	LF	$ 66.00	=	$ -		$ -
Water Main Pipe (Ductile Iron), Size 8"	0	LF	$ 78.00	=	$ -		$ -
Gate Valves, 8"	0	EA	$ 1,923.00	=	$ -		$ -
Fire Hydrant Assembly, w/ all valves	0	EA	$ 6,828.00	=	$ -		$ -
Water Service Line Installation, inc. tap and valves	0	EA	$ 1,370.00	=	$ -		$ -
Fire Cistern Installation, complete	0	EA		=	$ -		$ -
				=	$ -		$ -
[insert items not listed but part of construction plans]				=	$ -		$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	0	LF	$ 66.00	=	$ -		$ -
Sanitary Sewer Manhole, Depth < 15 feet	0	EA	$ 4,540.00	=	$ -		$ -
Sanitary Service Line Installation, complete	0	EA	$ 1,451.00	=	$ -		$ -
Sanitary Sewer Lift Station, complete	0	EA		=	$ -		$ -
				=	$ -		$ -
[insert items not listed but part of construction plans]				=	$ -		$ -
LANDSCAPING IMPROVEMENTS	(For subdivision specific condition of approval, or PUD)						
None	0	EA		=	$ -		$ -
		EA		=	$ -		$ -
		EA		=	$ -		$ -
		EA		=	$ -		$ -
		EA		=	$ -		$ -
** - Section 3 is not subject to defect warranty requirements			**Section 3 Subtotal**	=	$ -		$ -

PROJECT INFORMATION

GDAP Staging Area	2/3/2022	PPR2150
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 $ 76,432.35
(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) $ 76,432.35
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance $ 14,265.60
(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.

Richard Sebastian-Coleman

Richard Sebastian-Coleman, Engineer (P.E. Seal Required)

COLORADO 59182 RICHARD SEBASTIAN COLEMAN PROFESSIONAL ENGINEER

Clint Barden, Owner / Applicant

2/3/22
Date

Approved by El Paso County Engineer / ECM Administrator

APPROVED
Engineering Department
02/03/2022 3:08:30 PM
dsdnijkamp
EPC Planning & Community Development Department