

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

Updated: 12/22/2020

PROJECT INFORMATION			
BENT GRASS EAST COMMERCIAL FILING NO. 3	4/4/2022		
Project Name	Date	PCD File No.	SF-2147

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	6,000	CY	\$ 5.00	=	\$ 30,000.00		\$ 30,000.00
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 mgmt.)		AC	\$ 828.00	=	\$ -		\$ -
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket	140	SY	\$ 6.00	=	\$ 840.00		\$ 840.00
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,453.00	=	\$ 4,906.00		\$ 4,906.00
Silt Fence	700	LF	\$ 2.60	=	\$ 1,820.00		\$ 1,820.00
Temporary Seeding	4	AC	\$ 650.00	=	\$ 2,470.00		\$ 2,470.00
Temporary Mulch	4	AC	\$ 777.00	=	\$ 2,952.60		\$ 2,952.60
Erosion Bales	6	EA	\$ 26.00	=	\$ 156.00		\$ 156.00
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection	2	EA	\$ 173.00	=	\$ 346.00		\$ 346.00
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00
				=	\$ -		\$ -
(insert items not listed but part of construction plans)				=	\$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 4,753.91	\$ 4,753.91
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
<b>Section 1 Subtotal</b>					=	\$ 49,176.51	\$ 49,176.51

## SECTION 2 - PUBLIC IMPROVEMENTS \*

<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	65	CY	\$ 52.00	=	\$ 3,380.00		\$ 3,380.00
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick) Meridian Park Dr.	130	SY	\$ 30.00	=	\$ 3,900.00		\$ 3,900.00
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking (Bent Grass Meadows Dr.)	860	SF	\$ 14.00	=	\$ 12,040.00		\$ 12,040.00
Thermoplastic Pavement Marking (Bent Grass Meadows)	110	SF	\$ 24.00	=	\$ 2,640.00		\$ 2,640.00
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical) Meridian Park Dr.	120	LF	\$ 31.00	=	\$ 3,720.00		\$ 3,720.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -
4" Sidewalk (common areas only) Perimeter Sidewalk	410	SY	\$ 50.00	=	\$ 20,500.00		\$ 20,500.00
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	5	EA	\$ 1,190.00	=	\$ 5,950.00		\$ 5,950.00
Cross Pan, local (8" thick, 6' wide to include return)	90	LF	\$ 63.00	=	\$ 5,670.00		\$ 5,670.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

PROJECT INFORMATION							
BENT GRASS EAST COMMERCIAL FILING NO. 3			4/4/2022				
Project Name			Date		PCD File No. SF-2147		
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]				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 67.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
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'		EA	\$ 5,736.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,894.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,265.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,940.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 57,800.00		\$ 57,800.00

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

PROJECT INFORMATION							
BENT GRASS EAST COMMERCIAL FILING NO. 3			4/4/2022				
Project Name			Date		PCD File No. SF-2147		
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 (Bent Grass Market View)</b>							
Construction Traffic Control	1	LS	\$ 8,000.00	=	\$ 8,000.00		\$ 8,000.00
Aggregate Base Course (135 lbs/cf) Bent Grass Market	800	CY	\$ 52.00		\$ 41,600.00		\$ 41,600.00
Asphalt Pavement (6" thick) Bent Grass Market View	2,200	SY	\$ 30.00		\$ 66,000.00		\$ 66,000.00
Regulatory Sign/Advisory Sign	4	EA	\$ 311.00	=	\$ 1,244.00		\$ 1,244.00
Guide/Street Name Sign	2	EA	\$ 300.00	=	\$ 600.00		\$ 600.00
Epoxy Pavement Marking (Bent Grass Market View)	200	SF	\$ 14.00	=	\$ 2,800.00		\$ 2,800.00
Curb and Gutter, Type A (6" Vertical) Bent Grass Market	1,350	LF	\$ 31.00	=	\$ 41,850.00		\$ 41,850.00
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)</b>							
24" Reinforced Concrete Pipe	325	LF	\$ 81.00	=	\$ 26,325.00		\$ 26,325.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2	EA	\$ 7,440.00	=	\$ 14,880.00		\$ 14,880.00
Storm Sewer Manhole, Slab Base	1	EA	\$ 6,619.00	=	\$ 6,619.00		\$ 6,619.00
Rip Rap, d50 size from 6" to 24"	10	Tons	\$ 83.00	=	\$ 830.00		\$ 830.00
End Treatment- Concrete Forebay	1	EA	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00
				=	\$ -		\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	770	LF	\$ 66.00	=	\$ 50,820.00		\$ 50,820.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"	3	EA	\$ 1,923.00	=	\$ 5,769.00		\$ 5,769.00
Fire Hydrant Assembly, w/ all valves	1	EA	\$ 6,828.00	=	\$ 6,828.00		\$ 6,828.00
Water Service Line Installation, inc. tap and valves	6	EA	\$ 1,370.00	=	\$ 8,220.00		\$ 8,220.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"	665	LF	\$ 66.00	=	\$ 43,890.00		\$ 43,890.00
Sanitary Sewer Manhole, Depth < 15 feet	4	EA	\$ 4,540.00	=	\$ 18,160.00		\$ 18,160.00
Sanitary Service Line Installation, complete	6	EA	\$ 1,451.00	=	\$ 8,706.00		\$ 8,706.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)</b>							
1.5" Cal Deciduous Tree	27	EA	\$ 365.00	=	\$ 9,855.00		\$ 9,855.00
6' Evergreen	32	EA	\$ 505.00	=	\$ 16,160.00		\$ 16,160.00
Shrubs (five gallon)	50	EA	\$ 55.00	=	\$ 2,750.00		\$ 2,750.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal				=	\$ 396,906.00		\$ 396,906.00

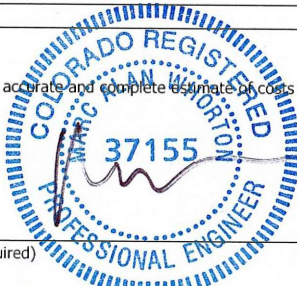
\*\* - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION			
BENT GRASS EAST COMMERCIAL FILING NO. 3		4/4/2022	
Project Name		Date	PCD File No. SF-2147

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						\$ 503,882.51
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 503,882.51
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 17,728.00
(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.



4/20/2022

Engineer (P.E. Seal Required)

*[Signature]*

Approved by Owner / Applicant

Date

4/20/22

**APPROVED**  
**Engineering Department**

04/21/2022 9:04:07 AM  
dsdnijkamp

EPC Planning & Community  
Development Department

Approved by El Paso County Engineer / ECM Administrator