2024 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION		
BOCES Campus	**7/18/2024**	**TBD**
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	$ 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		CY	$ 2.50	=	$ -		$ -	*
greater than 200,000; $500,000 min	430850.	CY	$ 2.00	=	$ 861,700.00		$ 861,700.00	*
Permanent Erosion Control Blanket		SY	$ 9.00	=	$ -		$ -	*
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	48.	AC	$ 2,018.00	=	$ 96,864.00		$ 96,864.00	*
Permanent Pond/BMP (provide engineer's estimate)	1.	EA	$ 50,000.00	=	$ 50,000.00		$ 50,000.00	*
Concrete Washout Basin	2.	EA	$ 1,172.00	=	$ 2,344.00		$ 2,344.00	
Inlet Protection	24.	EA	$ 217.00	=	$ 5,208.00		$ 5,208.00	
Rock Check Dam	25.	EA	$ 651.00	=	$ 16,275.00		$ 16,275.00	
Safety Fence	2550.	LF	$ 3.00	=	$ 7,650.00		$ 7,650.00	
Sediment Basin	2.	EA	$ 2,294.00	=	$ 4,588.00		$ 4,588.00	
Sediment Trap		EA	$ 538.00	=	$ -		$ -	
Silt Fence	4615.	LF	$ 3.00	=	$ 13,845.00		$ 13,845.00	
Slope Drain	201.	LF	$ 43.00		$ 8,643.00		$ 8,643.00	
Straw Bale		EA	$ 33.00	=	$ -		$ -	
Straw Wattle/Rock Sock	24.	LF	$ 8.00	=	$ 192.00		$ 192.00	
Surface Roughening		AC	$ 269.00		$ -		$ -	
Temporary Erosion Control Blanket	2255.	SY	$ 3.00	=	$ 6,765.00		$ 6,765.00	
Temporary Seeding and Mulching		AC	$ 1,793.00	=	$ -		$ -	
Vehicle Tracking Control	2.	EA	$ 3,085.00	=	$ 6,170.00		$ 6,170.00	
Rough Cut Street Control	3.	EA	$ 100.00	=	$ 300.00		$ 300.00	
Staging Area	3778.	SY	$ 3.00	=	$ 11,334.00		$ 6,170.00	
Outlet Protection	5.	EA	$ 217.00	=	$ 1,085.00		$ 5,208.00	
MAINTENANCE (35% of Construction BMPs)				=	$ 28,719.25		$ 28,719.25	
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)		**Section 1 Subtotal**		**=**	**$ 1,121,682.25**		**$ 1,120,641.25**	
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								*
Construction Traffic Control	1.	LS		=	$ -		$ -	*
Aggregate Base Course (135 lbs/cf) (7in)	3930.	Tons	$ 37.00	=	$ 145,410.00		$ 145,410.00	*
Aggregate Base Course (135 lbs/cf)		CY	$ 66.00		$ -		$ -	*
Asphalt Pavement (3" thick)		SY	$ 18.00		$ -		$ -	*
Asphalt Pavement (4" thick)		SY	$ 25.00		$ -		$ -	*
Asphalt Pavement (6" thick)		SY	$ 38.00		$ -		$ -	*
Asphalt Pavement (147 lbs/cf) 5 " thick	2440.	Tons	$ 114.00	=	$ 278,160.00		$ 278,160.00	*
Raised Median, Paved		SF	$ 11.00	=	$ -		$ -	*
Regulatory Sign/Advisory Sign		EA	$ 392.00	=	$ -		$ -	*
Guide/Street Name Sign		EA		=	$ -		$ -	*
Epoxy Pavement Marking		SF	$ 17.00	=	$ -		$ -	*
Thermoplastic Pavement Marking		SF	$ 30.00	=	$ -		$ -	*
Barricade - Type 3		EA	$ 259.00	=	$ -		$ -	*
Delineator - Type I		EA	$ 31.00	=	$ -		$ -	*
Curb and Gutter, Type A (6" Vertical)		LF	$ 38.00	=	$ -		$ -	*
Curb and Gutter, Type B (Median)		LF	$ 38.00	=	$ -		$ -	*
Curb and Gutter, Type C (Ramp)		LF	$ 38.00	=	$ -		$ -	*
4" Sidewalk (common areas only)		SY	$ 62.00	=	$ -		$ -	*
5" Sidewalk		SY	$ 77.00	=	$ -		$ -	*
6" Sidewalk		SY	$ 94.00	=	$ -		$ -	*
8" Sidewalk		SY	$ 125.00		$ -		$ -	*
Pedestrian Ramp		EA	$ 1,496.00	=	$ -		$ -	*
Cross Pan, local (8" thick, 6' wide to include return)		LF	$ 79.00	=	$ -		$ -	*
Cross Pan, collector (9" thick, 8' wide to include return)		LF	$ 119.00		$ -		$ -	*
Curb Opening with Drainage Chase		EA	$ 1,926.00	=	$ -		$ -	*
Guardrail Type 3 (W-Beam)		LF	$ 65.00	=	$ -		$ -	*
Guardrail Type 7 (Concrete)		LF	$ 94.00	=	$ -		$ -	*
Guardrail End Anchorage		EA	$ 2,731.00	=	$ -		$ -	*
Guardrail Impact Attenuator		EA	$ 4,902.00	=	$ -		$ -	*
Sound Barrier Fence (CMU block, 6' high)		LF	$ 102.00		$ -		$ -	*
Sound Barrier Fence (panels, 6' high)		LF	$ 104.00	=	$ -		$ -	*
Electrical Conduit, Size =		LF	$ 22.00	=	$ -		$ -	*
Traffic Signal, (provide engineer's estimate)		EA		=	$ -		$ -	*

PROJECT INFORMATION		
BOCES Campus	**7/18/2024**	**TBD**
Project Name:	**Date**	**PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	(with Pre-Plat Construction) Remaining	
				=	$ -		$ -	
[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	$ 82.00	=	$ -		$ -	*
24" Reinforced Concrete Pipe	154.	LF	$ 98.00	=	$ 15,092.00		$ 15,092.00	*
30" Reinforced Concrete Pipe		LF	$ 123.00	=	$ -		$ -	*
36" Reinforced Concrete Pipe		LF	$ 151.00	=	$ -		$ -	*
42" Reinforced Concrete Pipe		LF	$ 201.00	=	$ -		$ -	*
48" Reinforced Concrete Pipe		LF	$ 245.00	=	$ -		$ -	*
54" Reinforced Concrete Pipe		LF	$ 320.00	=	$ -		$ -	*
60" Reinforced Concrete Pipe		LF	$ 374.00	=	$ -		$ -	*
66" Reinforced Concrete Pipe		LF	$ 433.00	=	$ -		$ -	*
72" Reinforced Concrete Pipe		LF	$ 495.00	=	$ -		$ -	*
18" Corrugated Steel Pipe		LF	$ 105.00	=	$ -		$ -	*
24" Corrugated Steel Pipe		LF	$ 121.00	=	$ -		$ -	*
30" Corrugated Steel Pipe		LF	$ 154.00	=	$ -		$ -	*
36" Corrugated Steel Pipe		LF	$ 184.00	=	$ -		$ -	*
42" Corrugated Steel Pipe		LF	$ 212.00	=	$ -		$ -	*
48" Corrugated Steel Pipe		LF	$ 223.00	=	$ -		$ -	*
54" Corrugated Steel Pipe		LF	$ 327.00	=	$ -		$ -	*
60" Corrugated Steel Pipe		LF	$ 353.00	=	$ -		$ -	*
66" Corrugated Steel Pipe		LF	$ 427.00	=	$ -		$ -	*
72" Corrugated Steel Pipe		LF	$ 502.00	=	$ -		$ -	*
78" Corrugated Steel Pipe		LF	$ 578.00	=	$ -		$ -	*
84" Corrugated Steel Pipe		LF	$ 691.00	=	$ -		$ -	*
Flared End Section (FES) RCP Size = 24" (unit cost = 6x pipe unit cost)	4.	EA	$ 588.00	=	$ 2,352.00		$ 2,352.00	*
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	$ 7,212.00	=	$ -		$ -	*
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	$ 9,377.00	=	$ -		$ -	*
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	$ 10,859.00	=	$ -		$ -	*
Curb Inlet (Type R) L =10', Depth < 5'		EA	$ 9,925.00	=	$ -		$ -	*
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	$ 10,230.00	=	$ -		$ -	*
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	$ 12,805.00	=	$ -		$ -	*
Curb Inlet (Type R) L =15', Depth < 5'		EA	$ 12,907.00	=	$ -		$ -	*
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	$ 13,835.00	=	$ -		$ -	*
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	$ 15,130.00	=	$ -		$ -	*
Curb Inlet (Type R) L =20', Depth < 5'		EA	$ 13,755.00	=	$ -		$ -	*
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	$ 15,181.00	=	$ -		$ -	*
Grated Inlet (Type C), Depth < 5'		EA	$ 6,037.00	=	$ -		$ -	*
Grated Inlet (Type D), Depth < 5'		EA	$ 7,458.00	=	$ -		$ -	*
Storm Sewer Manhole, Box Base		EA	$ 15,130.00	=	$ -		$ -	*
Storm Sewer Manhole, Slab Base		EA	$ 8,322.00	=	$ -		$ -	*
Geotextile (Erosion Control)		SY	$ 9.00	=	$ -		$ -	*
Rip Rap, d50 size from 6" to 24"		Tons	$ 104.00	=	$ -		$ -	*
Rip Rap, Grouted		Tons	$ 124.00	=	$ -		$ -	*
Drainage Channel Construction, Size (W x H)		LF		=	$ -		$ -	*
Drainage Channel Lining, Concrete		CY	$ 741.00	=	$ -		$ -	*
Drainage Channel Lining, Rip Rap		CY	$ 145.00	=	$ -		$ -	*
Drainage Channel Lining, Grass		AC	$ 1,911.00	=	$ -		$ -	*
Drainage Channel Lining, Other Stabilization				=	$ -		$ -	*
				=	$ -		$ -	
[insert items not listed but part of construction plans]				=	$ -		$ -	
Section 2 Subtotal				**=**	**$ 441,014.00**		**$ 441,014.00**	

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

PROJECT INFORMATION		
BOCES Campus	7/18/2024	TBD
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								
Construction Traffic Control	1.	LS		=	$ -		$ -	
Aggregate Base Course (135 lbs/cf) (5in)	13970.	Tons	$ 37.00	=	$ 511,895.00		$ 511,895.00	
Asphalt Pavement (4" thick)	50835.	SY	$ 25.00		$ 741,000.00		$ 741,000.00	
Curb and Gutter, Type A (6" Vertical)	22190.	LF	$ 38.00	=	$ 843,220.00		$ 843,220.00	
6" Sidewalk	14495.	SY	$ 94.00	=	$ 1,362,530.00		$ 1,362,530.00	
Pedestrian Ramp	22	EA	$ 1,496.00	=	$ 32,912.00		$ 32,912.00	
Cross Pan, local (8" thick, 6' wide to include return)	135.	LF	$ 79.00	=	$ 10,665.00		$ 10,665.00	
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
18" Reinforced Concrete Pipe	295.	LF	$ 82.00	=	$ 24,190.00		$ 24,190.00	
24" Reinforced Concrete Pipe	4600.	LF	$ 98.00	=	$ 450,800.00		$ 450,800.00	
30" Reinforced Concrete Pipe	555.	LF	$ 123.00	=	$ 68,265.00		$ 68,265.00	
36" Reinforced Concrete Pipe	35.	LF	$ 151.00	=	$ 5,285.00		$ 5,285.00	
42" Reinforced Concrete Pipe	475.	LF	$ 201.00	=	$ 95,475.00		$ 95,475.00	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	10	EA	$ 9,377.00	=	$ 93,770.00		$ 93,770.00	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	4	EA	$ 10,230.00	=	$ 40,920.00		$ 40,920.00	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	1	EA	$ 15,130.00	=	$ 15,130.00		$ 15,130.00	
Grated Inlet (Type C), Depth < 5'	4	EA	$ 6,037.00	=	$ 24,148.00		$ 24,148.00	
Storm Sewer Manhole, Slab Base	39.	EA	$ 8,322.00	=	$ 324,558.00		$ 324,558.00	*
WATER SYSTEM IMPROVEMENTS								
Water Main Pipe (PVC), Size 8"	9245.	LF	$ 84.00	=	$ 776,580.00		$ 776,580.00	
Water Main Pipe (Ductile Iron), Size 8"	335.	LF	$ 98.00	=	$ 32,830.00		$ 32,830.00	
Gate Valves, 8"	60.	EA	$ 2,418.00	=	$ 145,080.00		$ 145,080.00	
Fire Hydrant Assembly, w/ all valves	19.	EA	$ 8,584.00	=	$ 163,096.00		$ 163,096.00	
Water Service Line Installation, inc. tap and valves	139.	EA	$ 1,723.00	=	$ 239,497.00		$ 239,497.00	
Fire Cistern Installation, complete		EA		=	$ -		$ -	
				=	$ -		$ -	
[insert items not listed but part of construction plans]				=	$ -		$ -	
SANITARY SEWER IMPROVEMENTS								
Sewer Main Pipe (PVC), Size 8"	7985.	LF	$ 84.00	=	$ 670,740.00		$ 670,740.00	
Sanitary Sewer Manhole, Depth < 15 feet	46.	EA	$ 5,708.00	=	$ 262,568.00		$ 262,568.00	
Sanitary Service Line Installation, complete	139.	EA	$ 1,825.00	=	$ 253,675.00		$ 253,675.00	
Sanitary Sewer Lift Station, complete	1.	EA		=	$ -		$ -	
				=	$ -		$ -	
[insert items not listed but part of construction plans]				=	$ -		$ -	
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)								
		EA		=	$ -		$ -	
		EA		=	$ -		$ -	
		EA		=	$ -		$ -	
		EA		=	$ -		$ -	
		EA		=	$ -		$ -	
** - Section 3 is not subject to defect warranty requirements		**Section 3 Subtotal**		**=**	**$ 7,188,829.00**		**$ 7,188,829.00**	

PROJECT INFORMATION			
BOCES Campus	**7/18/2024**		**TBD**
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)				=	$ -		$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	$ -		$ -

Total Construction Financial Assurance **$ 8,751,525.25**

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

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) **$ 8,750,484.25**

(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance **$ 289,915.60**

(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.

Engineer (P.E. Seal Required)

Approved by Owner / Applicant — Date

Approved by El Paso County Engineer / ECM Administrator — Date