

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

Updated: 10/2023

PROJECT INFORMATION		
Project Name Watebury Filing 1	Date 10/2/2024	PCD File No. PUDSP 21-005 & SF237

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	361,139	CY	\$ 2.00	=	\$ 722,278.00		\$ 722,278.00	
Permanent Erosion Control Blanket		SY	\$ 9.00	=	\$ -		\$ -	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	72	AC	\$ 2,018.00	=	\$ 145,639.06		\$ 145,639.06	
Permanent Pond/BMP (provide engineer's estimate)	3	EA	\$ 71,750.00	=	\$ 215,250.00		\$ 215,250.00	
Concrete Washout Basin	1	EA	\$ 1,172.00	=	\$ 1,172.00		\$ 1,172.00	
Inlet Protection	24	EA	\$ 217.00	=	\$ 5,208.00		\$ 5,208.00	
Rock Check Dam		EA	\$ 651.00	=	\$ -		\$ -	
Safety Fence	3,440	LF	\$ 3.00	=	\$ 10,320.00		\$ 10,320.00	
Sediment Basin	5	EA	\$ 2,294.00	=	\$ 11,470.00		\$ 11,470.00	
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -	
Silt Fence	5,165	LF	\$ 3.00	=	\$ 15,495.00		\$ 15,495.00	
Slope Drain		LF	\$ 43.00	=	\$ -		\$ -	
Straw Bale	60	EA	\$ 33.00	=	\$ 1,980.00		\$ 1,980.00	
Straw Wattle/Rock Sock		LF	\$ 8.00	=	\$ -		\$ -	
Surface Roughening		AC	\$ 269.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Temporary Seeding and Mulching		AC	\$ 1,793.00	=	\$ -		\$ -	
Vehicle Tracking Control	2	EA	\$ 3,085.00	=	\$ 6,170.00		\$ 6,170.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 17,725.05		\$ 17,725.05
Section 1 Subtotal					=	\$ 1,152,707.11		\$ 1,152,707.11

* - 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 *							
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ROADWAY IMPROVEMENTS							
Construction Traffic Control	1.0	LS	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	5,298.0	CY	\$ 66.00	=	\$ 349,668.00		\$ 349,668.00
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	31,788.0	SY	\$ 25.00	=	\$ 794,700.00		\$ 794,700.00
Asphalt Pavement (6" thick)		SY	\$ 38.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 114.00	=	\$ -		\$ -
Raised Median, Paved	1,307.0	SF	\$ 11.00	=	\$ 14,377.00		\$ 14,377.00
Regulatory Sign/Advisory Sign	15.0	EA	\$ 392.00	=	\$ 5,880.00		\$ 5,880.00
Guide/Street Name Sign	12.0	EA		=	\$ 0.00		\$ 0.00
Epoxy Pavement Marking	3,107.0	SF		=	\$ 9.00		\$ 9.00
Thermoplastic Pavement Marking	73.0	SF		=	\$ 0.00		\$ 0.00
Barricade - Type 3		EA		=	\$ -		\$ -
Delineator - Type I		EA	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	6,377.0	LF	\$ 38.00	=	\$ 242,326.00		\$ 242,326.00
Curb and Gutter, Type B (Median)	1,910.0	LF	\$ 38.00	=	\$ 72,580.00		\$ 72,580.00
Curb and Gutter, Type C (Ramp)	12,344.0	LF	\$ 38.00	=	\$ 469,072.00		\$ 469,072.00
4" Sidewalk (common areas only)	8,851.0	SY	\$ 5.50	=	\$ 48,680.50		\$ 48,680.50
5" Sidewalk		SY	\$ 6.50	=	\$ -		\$ -
6" Sidewalk		SY	\$ 7.50	=	\$ -		\$ -
8" Sidewalk		SY	\$ 8.50	=	\$ -		\$ -
Pedestrian Ramp	44.0	EA	\$ 1,500.00	=	\$ 65,824.00		\$ 65,824.00
Cross Pan, local (8" thick, 6' wide to include return)	1,246.0	LF	\$ 79.00	=	\$ 98,434.00		\$ 98,434.00
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		=	\$ -		\$ -

SCL are shown on the GEC Plans - add quantity

DONE

DONE

Add "No Parking" signs to Roundabout see CDs

Add right turn lane on Stapleton and update roadway improvements accordingly to include CDs sheets

DONE

PROJECT INFORMATION

Project Name **Watebury Filing 1**

Date **10/2/2024**

PCD File No. **PUDSP 21-005 & SF237**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
15" Reinforced Concrete Pipe	66	LF	\$ 74.00	=	\$ 4,911.38		\$ 4,911.38
18" Reinforced Concrete Pipe	1491	LF	\$ 82.00	=	\$ 122,240.68		\$ 122,240.68
24" Reinforced Concrete Pipe	795	LF	\$ 98.00	=	\$ 77,943.32		\$ 77,943.32
30" Reinforced Concrete Pipe	1664	LF	\$ 123.00	=	\$ 204,696.60		\$ 204,696.60
36" Reinforced Concrete Pipe	2619	LF	\$ 151.00	=	\$ 395,417.66		\$ 395,417.66
42" Reinforced Concrete Pipe	1057	LF	\$ 201.00	=	\$ 212,436.90		\$ 212,436.90
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 = 30" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 738.00	=	\$ 738.00		\$ 738.00
Flared End Section (FES) RCP Size = 36" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 906.00	=	\$ 906.00		\$ 906.00
Flared End Section (FES) RCP Size = 42" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 1,206.00	=	\$ 2,412.00		\$ 2,412.00
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall	4	EA	\$ 1,500.00	=	\$ 6,000.00		\$ 6,000.00
End Treatment- Wingwall	4	EA	\$ 1,500.00	=	\$ 6,000.00		\$ 6,000.00
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	14	EA	\$ 7,212.00	=	\$ 100,968.00		\$ 100,968.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	4	EA	\$ 9,377.00	=	\$ 37,508.00		\$ 37,508.00
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'	3	EA	\$ 9,925.00	=	\$ 29,775.00		\$ 29,775.00
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	2	EA	\$ 10,230.00	=	\$ 20,460.00		\$ 20,460.00
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'	2	EA	\$ 12,907.00	=	\$ 25,814.00		\$ 25,814.00
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	28	EA	\$ 15,130.00	=	\$ 423,640.00		\$ 423,640.00
Storm Sewer Manhole, Slab Base		EA	\$ 8,322.00	=	\$ -		\$ -
Geotextile (Erosion Control)	232	SY	\$ 9.00	=	\$ 2,088.00		\$ 2,088.00
Rip Rap, d50 size from 6" to 24"	19	Tons	\$ 104.00	=	\$ 1,942.20		\$ 1,942.20
Rip Rap, Grouted		Tons	\$ 124.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)	1000	LF	\$ 100.00	=	\$ 100,000.00		\$ 100,000.00
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap	4080	CY	\$ 145.00	=	\$ 591,600.00		\$ 591,600.00
Drainage Channel Lining, Grass	11	AC	\$ 1,911.00	=	\$ 20,352.15		\$ 20,352.15
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -

DONE

wetlands species?

PROJECT INFORMATION

Project Name **Watebury Filing 1**

Date **10/2/2024**

PCD File No. **PUDSP 21-005 & SF237**

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						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**

ROADWAY IMPROVEMENTS

				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -

STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)

12" HDPE Pipe	1126	LF	\$ 14.00	=	\$ 15,768.48		\$ 15,768.48
18" Reinforced Concrete Pipe	465	LF	\$ 82.00	=	\$ 38,089.00		\$ 38,089.00
24" Reinforced Concrete Pipe	46	LF	\$ 98.00	=	\$ 4,555.04		\$ 4,555.04
36" Reinforced Concrete Pipe	210	LF	\$ 151.00	=	\$ 31,744.73		\$ 31,744.73
Flared End Section (FES) RCP Size = 24"	2	EA	\$ 588.00	=	\$ 1,176.00		\$ 1,176.00
Flared End Section (FES) RCP Size = 36"	1	EA	\$ 906.00	=	\$ 906.00		\$ 906.00
18" Dome Inlet	12	EA	\$ 1,500.00	=	\$ 18,000.00		\$ 18,000.00
Rip Rap d50 size from 6" to 24"	0.83	Tons	\$ 104.00	=	\$ 86.67		\$ 86.67
4' W x 2' D Swale	565	LF	\$ 30.00	=	\$ 16,950.00		\$ 16,950.00
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$ -		\$ -

WATER SYSTEM IMPROVEMENTS

Water Main Pipe (PVC), Size 8"	9949	LF	\$ 84.00	=	\$ 835,716.00		\$ 835,716.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -
Gate Valves, 8"	75	EA	\$ 2,418.00	=	\$ 181,350.00		\$ 181,350.00
Fire Hydrant Assembly, w/ all valves	22	EA	\$ 8,584.00	=	\$ 188,848.00		\$ 188,848.00
Water Service Line Installation, inc. tap and valves	208	EA	\$ 1,723.00	=	\$ 358,384.00		\$ 358,384.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

SANITARY SEWER IMPROVEMENTS

Sewer Main Pipe (PVC), Size 8"	11604	LF	\$ 84.00	=	\$ 974,736.00		\$ 974,736.00
Sanitary Sewer Manhole, Depth < 15 feet	40	EA	\$ 5,708.00	=	\$ 228,320.00		\$ 228,320.00
Sanitary Service Line Installation, complete	208	EA	\$ 1,825.00	=	\$ 379,600.00		\$ 379,600.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

PROJECT INFORMATION

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Date **10/2/2024**

PCD File No. **PUDSP 21-005 & SF237**

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
Roundabout Landscaping	1	LS	\$ 23,000.00	= \$ 23,000.00		\$ 23,000.00
		LS		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
** - Section 3 is not subject to defect warranty requirements			Section 3 Subtotal	= \$ 3,297,229.92		\$ 3,297,229.92
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)			\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)			LS \$ 2,000.00	= \$ 2,000.00		\$ 2,000.00
Total Construction Financial Assurance					\$ 9,585,318.93	
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 9,585,318.92	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 1,241,309.79	
(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 _____