

2026 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 2/2026

PROJECT INFORMATION			
Project Name: Waterbury Sanitary Force Main	Date: 2026/05/29	PCD File No. CDR264	

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 5,000; \$8,000 min		CY	\$ 7.50	=	\$ -		\$ - *
5,001-20,000; \$30,000 min		CY	\$ 6.50	=	\$ -		\$ - *
20,001-50,000; \$100,000 min		CY	\$ 4.50	=	\$ -		\$ - *
50,001-200,000; \$175,000 min		CY	\$ 3.00	=	\$ -		\$ - *
greater than 200,000; \$500,000 min		CY	\$ 2.50	=	\$ -		\$ - *
Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ - *
Seeding (inc. noxious weed mgmnt.) & Mulching	18	AC	\$ 2,037.00	=	\$ 36,666.00		\$ 36,666.00 *
Permanent Pond/PCM (provide engineer's estimate)		EA		=	\$ -		\$ - *
				=	\$ -		\$ - *
				=	\$ -		\$ - *
[insert items not listed but part of construction plans]				=	\$ -		\$ - *
Safety Fence		LF	\$ 5.00	=	\$ -		\$ - *
Inlet Protection	15	EA	\$ 322.00	=	\$ 4,830.00		\$ 4,830.00 *
Rock Check Dam		EA	\$ 908.00	=	\$ -		\$ - *
Concrete Washout Basin	1	EA	\$ 1,790.00	=	\$ 1,790.00		\$ 1,790.00 *
Sediment Basin		EA	\$ 3,483.00	=	\$ -		\$ - *
Sediment Trap		EA	\$ 877.00	=	\$ -		\$ - *
Silt Fence	1135	LF	\$ 3.00	=	\$ 3,405.00		\$ 3,405.00 *
Slope Drain		LF	\$ 30.00	=	\$ -		\$ - *
Straw Bale		EA	\$ 56.00	=	\$ -		\$ - *
Straw Wattle/Rock Sock		LF	\$ 11.00	=	\$ -		\$ - *
Surface Roughening		AC	\$ 507.00	=	\$ -		\$ - *
Vehicle Tracking Control	9	EA	\$ 3,840.00	=	\$ 34,560.00		\$ 34,560.00 *
				=	\$ -		\$ - *
				=	\$ -		\$ - *
				=	\$ -		\$ - *
[insert items not listed but part of construction plans]				=	\$ -		\$ - *
MAINTENANCE (35% of Construction BMPs)				=	\$ 15,604.75		\$ 15,604.75 *
Section 1 Subtotal				=	\$ 96,855.75		\$ 96,855.75
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1	LS	\$ 20,000.00	=	\$ 20,000.00		\$ 20,000.00 *
Aggregate Base Course (135 lbs/cf)		Tons	\$ 42.00	=	\$ -		\$ - *
Aggregate Base Course (135 lbs/cf)	1070	CY	\$ 81.00	=	\$ 86,670.00		\$ 86,670.00 *
Asphalt Pavement (3" thick)		SY	\$ 22.00	=	\$ -		\$ - *
Asphalt Pavement (4" thick)		SY	\$ 31.00	=	\$ -		\$ - *
Asphalt Pavement (6" thick)	1070	SY	\$ 47.00	=	\$ 50,290.00		\$ 50,290.00 *
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 140.00	=	\$ -		\$ - *
Raised Median, Paved		SF	\$ 15.00	=	\$ -		\$ - *
Signs (regulatory/advisory/guide/street)		EA	\$ 293.00	=	\$ -		\$ - *
Epoxy Pavement Marking		SF	\$ 19.00	=	\$ -		\$ - *
Thermoplastic Pavement Marking	100	SF	\$ 29.00	=	\$ 2,900.00		\$ 2,900.00 *
Barricade - Type 3		EA	\$ 380.00	=	\$ -		\$ - *
Delineator - Type I		EA	\$ 38.00	=	\$ -		\$ - *
Curb and Gutter, Type A (6" Vertical)		LF	\$ 49.00	=	\$ -		\$ - *
Curb and Gutter, Type B (Median)		LF	\$ 50.00	=	\$ -		\$ - *
Curb and Gutter, Type C (Ramp)		LF	\$ 51.00	=	\$ -		\$ - *
4" Sidewalk (common areas only)		SY	\$ 69.00	=	\$ -		\$ - *
5" Sidewalk		SY	\$ 85.00	=	\$ -		\$ - *
6" Sidewalk		SY	\$ 113.00	=	\$ -		\$ - *
8" Sidewalk		SY	\$ 141.00	=	\$ -		\$ - *
Pedestrian Ramp		EA	\$ 1,961.00	=	\$ -		\$ - *
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 87.00	=	\$ -		\$ - *
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 131.00	=	\$ -		\$ - *
Curb Opening with Drainage Chase		EA	\$ 2,341.00	=	\$ -		\$ - *
Guardrail Type 3 (W-Beam)		LF	\$ 87.00	=	\$ -		\$ - *
Guardrail Type 7 (Concrete)		LF	\$ 104.00	=	\$ -		\$ - *
Guardrail End Anchorage		EA	\$ 2,485.00	=	\$ -		\$ - *
Guardrail Impact Attenuator		EA	\$ 22,568.00	=	\$ -		\$ - *
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 113.00	=	\$ -		\$ - *
Sound Barrier Fence (panels, 6' high)		LF	\$ 115.00	=	\$ -		\$ - *
Electrical Conduit, Size =		LF	\$ 33.00	=	\$ -		\$ - *
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ - *
Survey Monumentation		EA	\$ 638.00	=	\$ -		\$ - *
				=	\$ -		\$ - *

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						% Complete	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	\$ 111.00	=	\$ -		\$ - *
24" Reinforced Concrete Pipe		LF	\$ 161.00	=	\$ -		\$ - *
30" Reinforced Concrete Pipe		LF	\$ 167.00	=	\$ -		\$ - *
36" Reinforced Concrete Pipe		LF	\$ 191.00	=	\$ -		\$ - *
42" Reinforced Concrete Pipe		LF	\$ 275.00	=	\$ -		\$ - *
48" Reinforced Concrete Pipe		LF	\$ 349.00	=	\$ -		\$ - *
54" Reinforced Concrete Pipe		LF	\$ 465.00	=	\$ -		\$ - *
60" Reinforced Concrete Pipe		LF	\$ 476.00	=	\$ -		\$ - *
66" Reinforced Concrete Pipe		LF	\$ 550.00	=	\$ -		\$ - *
72" Reinforced Concrete Pipe		LF	\$ 616.00	=	\$ -		\$ - *
18" Corrugated Steel Pipe		LF	\$ 136.00	=	\$ -		\$ - *
24" Corrugated Steel Pipe		LF	\$ 229.00	=	\$ -		\$ - *
30" Corrugated Steel Pipe		LF	\$ 244.00	=	\$ -		\$ - *
36" Corrugated Steel Pipe		LF	\$ 244.00	=	\$ -		\$ - *
42" Corrugated Steel Pipe		LF	\$ 226.00	=	\$ -		\$ - *
48" Corrugated Steel Pipe		LF	\$ 465.00	=	\$ -		\$ - *
54" Corrugated Steel Pipe		LF	\$ 459.00	=	\$ -		\$ - *
60" Corrugated Steel Pipe		LF	\$ 501.00	=	\$ -		\$ - *
66" Corrugated Steel Pipe		LF	\$ 580.00	=	\$ -		\$ - *
72" Corrugated Steel Pipe		LF	\$ 654.00	=	\$ -		\$ - *
78" Corrugated Steel Pipe		LF	\$ 728.00	=	\$ -		\$ - *
84" Corrugated Steel Pipe		LF	\$ 901.00	=	\$ -		\$ - *
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		=	\$ -		\$ - *
				=	\$ -		\$ - *
[insert items not listed but part of construction plans]				=	\$ -		\$ - *
End Treatment- Headwall		EA		=	\$ -		\$ - *
End Treatment- Wingwall		EA		=	\$ -		\$ - *
End Treatment - Cutoff Wall		EA		=	\$ -		\$ - *
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 8,814.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 10,835.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 12,206.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 11,438.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 12,689.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 16,174.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 14,452.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 17,237.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 21,610.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 16,499.00	=	\$ -		\$ - *
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 20,012.00	=	\$ -		\$ - *
Grated Inlet (Type C), Depth < 5'		EA	\$ 8,156.00	=	\$ -		\$ - *
Grated Inlet (Type D), Depth < 5'		EA	\$ 11,435.00	=	\$ -		\$ - *
Storm Sewer Manhole, Box Base		EA	\$ 18,950.00	=	\$ -		\$ - *
Storm Sewer Manhole, Slab Base		EA	\$ 9,314.00	=	\$ -		\$ - *
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ - *
Rip Rap, d50 size from 6" to 24"		Tons	\$ 102.00	=	\$ -		\$ - *
Rip Rap, Grouted		Tons	\$ 136.00	=	\$ -		\$ - *
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ - *
Drainage Channel Lining, Concrete		CY	\$ 815.00	=	\$ -		\$ - *
Drainage Channel Lining, Rip Rap		CY	\$ 234.00	=	\$ -		\$ - *
Drainage Channel Lining, Grass		AC	\$ 2,100.00	=	\$ -		\$ - *
Permanent Drainage Channel Lining or Roadside Ditch TRM		SY	\$ 13.00	=	\$ -		\$ - *
				=	\$ -		\$ - *
				=	\$ -		\$ - *
				=	\$ -		\$ - *
[insert items not listed but part of construction plans]				=	\$ -		\$ - *
Section 2 Subtotal				=	\$ 159,860.00		\$ 159,860.00 *

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

PROJECT INFORMATION							
Project Name: Waterbury Sanitary Force Main				Date: 2026/05/29		PCD File No. CDR264	
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							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 90.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 105.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 2,599.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 9,228.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,852.00	=	\$ -		\$ -
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	12050	LF	\$ 90.00	=	\$ 1,084,500.00		\$ 1,084,500.00
Sanitary Sewer Manhole, Depth < 15 feet	15	EA	\$ 6,136.00	=	\$ 92,040.00		\$ 92,040.00
Sanitary Service Line Installation, complete		EA	\$ 1,962.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		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 Subtotal	= \$ 1,176,540.00		\$ 1,176,540.00
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 20,000.00	=	\$ 20,000.00		\$ 20,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -		\$ -
Total Construction Financial Assurance						\$ 1,453,255.75	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 1,453,255.75	
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$ 39,305.20	
(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.	
Dane Frank Engineer (P.E. Seal Required)	8/6/2026 Date
	Date
Approved by El Paso County Engineer / ECM Administrator	