

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

Updated: 10/2023

PROJECT INFORMATION		
Grandview Reserve Gieck Basin Channel	6/21/2024	CDR-228
Project Name	Date	PCD File No.

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		CY	\$ 5.00	=	\$ -		\$ -	
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min	195223.	CY	\$ 2.50	=	\$ 488,057.50		\$ 488,057.50	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
Permanent Erosion Control Blanket	40000.	SY	\$ 9.00	=	\$ 360,000.00		\$ 360,000.00	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	84.	AC	\$ 2,018.00	=	\$ 169,512.00		\$ 169,512.00	
Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
Concrete Washout Basin	1.	EA	\$ 1,172.00	=	\$ 1,172.00		\$ 1,172.00	
Inlet Protection		EA	\$ 217.00	=	\$ -		\$ -	
Rock Check Dam	2.	EA	\$ 651.00	=	\$ 1,302.00		\$ 1,302.00	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Sediment Basin		EA	\$ 2,294.00	=	\$ -		\$ -	
Sediment Trap		EA	\$ 538.00	=	\$ -		\$ -	
Silt Fence	1168.	LF	\$ 3.00	=	\$ 3,504.00		\$ 3,504.00	
Slope Drain		LF	\$ 43.00	=	\$ -		\$ -	
Straw Bale		EA	\$ 33.00	=	\$ -		\$ -	
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	1.	EA	\$ 3,085.00	=	\$ 3,085.00		\$ 3,085.00	
Riprap Drop Structures	29.	EA	\$ 34,000.00	=	\$ 986,000.00		\$ 986,000.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 347,861.85		\$ 347,861.85
<b>Section 1 Subtotal</b>					=	<b>\$ 2,360,494.35</b>		<b>\$ 2,360,494.35</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>								
<b>ROADWAY IMPROVEMENTS</b>								
Construction Traffic Control		LS		=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	=	\$ -		\$ -	
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)    " thick		Tons	\$ 114.00	=	\$ -		\$ -	
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**

**Grandview Reserve Gieck Basin Channel**

**6/21/2024**

**CDR-228**

**Project Name**

**Date**

**PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( 8' x 4' )	54.	LF	\$ 3,025.00	=	\$ 163,350.00		\$ 163,350.00
Concrete Box Culvert (M Standard), Size ( 8' x 4' )	60.	LF	\$ 3,025.00	=	\$ 181,500.00		\$ 181,500.00
Concrete Box Culvert (M Standard), Size ( 10' x 4' )	206.	LF	\$ 3,760.00	=	\$ 774,560.00		\$ 774,560.00
Concrete Box Culvert (M Standard), Size ( 7' x 1' )	12.	LF	\$ 1,370.00	=	\$ 16,440.00		\$ 16,440.00
18" Reinforced Concrete Pipe		LF	\$ 82.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 98.00	=	\$ -		\$ -
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 = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall	53.	CY	\$ 1,798.00	=	\$ 95,294.00		\$ 95,294.00
End Treatment- Wingwall	23.	CY	\$ 1,084.00	=	\$ 24,932.00		\$ 24,932.00
End Treatment - Cutoff Wall	12.	CY	\$ 4,083.00	=	\$ 48,996.00		\$ 48,996.00
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 Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap				=	\$ -		\$ -
Drainage Channel Lining, Grass				=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>Section 2 Subtotal</b>				=	<b>\$ 1,305,072.00</b>		<b>\$ 1,305,072.00</b>

Per plan set, there are 4 - 8x4 culverts @ 60 ft each. Please update total length

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

PROJECT INFORMATION								
Grandview Reserve Gieck Basin Channel	6/21/2024			CDR-228				
Project Name	Date			PCD File No.				
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</b>								
Maintenance Road - Aggregate Base Course (135 lbs/cf)	2671.	CY	\$ 65.00	=	\$ 173,615.00		\$ 173,615.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)</b>								
Drainage Channel Lining, Rip Rap	1400.	CY	\$ 145.00	=	\$ 203,000.00		\$ 203,000.00	
Drainage Channel Lining, Grass	9.21	AC	\$ 98,900.00	=	\$ 910,869.00		\$ 910,869.00	
Drainage Channel Lining, Soil Rip Rap	900.	CY	\$ 209.00	=	\$ 188,100.00		\$ 188,100.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>WATER SYSTEM IMPROVEMENTS</b>								
Water Main Pipe (PVC), Size 8"		LF	\$ 84.00	=	\$ -		\$ -	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 8"		EA	\$ 2,418.00	=	\$ -		\$ -	
Fire Hydrant Assembly, w/ all valves		EA	\$ 8,584.00	=	\$ -		\$ -	
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	=	\$ -		\$ -	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>SANITARY SEWER IMPROVEMENTS</b>								
Sewer Main Pipe (PVC), Size 8"		LF	\$ 84.00	=	\$ -		\$ -	
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,708.00	=	\$ -		\$ -	
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	=	\$ -		\$ -	
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)</b>								
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 1,475,584.00</b>		<b>\$ 1,475,584.00</b>

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


**PROJECT INFORMATION**

<b>Grandview Reserve Gieck Basin Channel</b>	<b>6/21/2024</b>	<b>CDR-228</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)			\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
<b>Total Construction Financial Assurance</b>						<b>\$ 5,146,150.35</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$ 5,146,150.35</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
<b>Total Defect Warranty Financial Assurance</b>						<b>\$ 464,528.30</b>
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

**Approvals**

I hereby certify that this is an accurate and



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Engineer (P.E. Seal Required)

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Approved by Owner / Applicant Date

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Approved by El Paso County Engineer / ECM Administrator Date