

2023 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 10/30/23

PROJECT INFORMATION						
Foundation Lutheran Church		10/30/2023				DGW
Project Name		Date			PCD File No.	PPR2321

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	9,628	CY	\$ 5.00	=	\$ 48,140.00		\$ 48,140.00
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 Erosion Control Blanket	972.0	SY	\$ 8.00	=	\$ 7,776.00		\$ 7,776.00
Permanent Seeding (inc. noxious weed mgmt.) & Mulching	4.2	AC	\$ 1,875.00	=	\$ 7,781.25		\$ 7,781.25
Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
Concrete Washout Basin	1	EA	\$ 1,089.00	=	\$ 1,089.00		\$ 1,089.00
Inlet Protection	3	EA	\$ 202.00	=	\$ 606.00		\$ 606.00
Rock Check Dam	6	EA	\$ 605.00	=	\$ 3,630.00		\$ 3,630.00
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Sediment Basin	1	EA	\$ 2,132.00	=	\$ 2,132.00		\$ 2,132.00
Sediment Trap		EA	\$ 500.00	=	\$ -		\$ -
Silt Fence	1,196	LF	\$ 3.00	=	\$ 3,588.00		\$ 3,588.00
Slope Drain		LF	\$ 40.00	=	\$ -		\$ -
Straw Bale		EA	\$ 31.00	=	\$ -		\$ -
Straw Wattle/Rock Sock	30	LF	\$ 7.00	=	\$ 210.00		\$ 210.00
Surface Roughening		AC	\$ 250.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1,666.00	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,867.00	=	\$ 5,734.00		\$ 5,734.00
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
MAINTENANCE (35% of Construction BMPs)					=	\$ 5,565.00	\$ 5,565.00
Section 1 Subtotal					=	\$ 86,251.25	\$ 86,251.25

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

Update per GEC Plan comments

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	2.0	EA	\$ 364.00	=	\$ 728.00		\$ 728.00
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking	1.0	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 241.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 29.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$ -		\$ -
5" Sidewalk	587.0	SY	\$ 72.00	=	\$ 42,264.00		\$ 42,264.00
6" Sidewalk		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp	7.0	EA	\$ 1,390.00	=	\$ 9,730.00		\$ 9,730.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)	2.0	LF	\$ 111.00	=	\$ 222.00		\$ 222.00
Curb Opening with Drainage Chase		EA	\$ 1,790.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 60.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 20.00	=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -

PROJECT INFORMATION

Foundation Lutheran Church

10/30/2023

DGW

Project Name

Date

PCD File No. PPR2321

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				
18" Reinforced Concrete Pipe		LF	\$ 76.00			
24" Reinforced Concrete Pipe		LF	\$ 91.00			
30" Reinforced Concrete Pipe		LF	\$ 114.00			
36" Reinforced Concrete Pipe		LF	\$ 140.00			
42" Reinforced Concrete Pipe		LF	\$ 187.00			
48" Reinforced Concrete Pipe		LF	\$ 228.00			
54" Reinforced Concrete Pipe		LF	\$ 297.00			
60" Reinforced Concrete Pipe		LF	\$ 348.00			
66" Reinforced Concrete Pipe		LF	\$ 402.00			
72" Reinforced Concrete Pipe		LF	\$ 460.00			
18" Corrugated Steel Pipe		LF	\$ 98.00			
24" Corrugated Steel Pipe		LF	\$ 112.00			
30" Corrugated Steel Pipe		LF	\$ 143.00			
36" Corrugated Steel Pipe		LF	\$ 171.00			
42" Corrugated Steel Pipe		LF	\$ 197.00			
48" Corrugated Steel Pipe		LF	\$ 207.00			
54" Corrugated Steel Pipe		LF	\$ 304.00			
60" Corrugated Steel Pipe		LF	\$ 328.00			
66" Corrugated Steel Pipe		LF	\$ 397.00			
72" Corrugated Steel Pipe		LF	\$ 467.00			
78" Corrugated Steel Pipe		LF	\$ 537.00			
84" Corrugated Steel Pipe		LF	\$ 642.00			
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		EA				
End Treatment- Wingwall		EA				
End Treatment - Cutoff Wall		EA				
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00			
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00			
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 10,092.00			
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 9,224.00			
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 9,507.00			
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 11,901.00			
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 11,995.00			
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 12,858.00			
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 14,061.00			
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 12,783.00			
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 14,109.00			
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00			
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00			
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00			
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00			
Geotextile (Erosion Control)		SY	\$ 8.00			
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00			
Rip Rap, Grouted		Tons	\$ 115.00			
Drainage Channel Construction, Size (W x H)		LF	\$ -			
Drainage Channel Lining, Concrete		CY	\$ 689.00			
Drainage Channel Lining, Rip Rap		CY	\$ 135.00			
Drainage Channel Lining, Grass		AC	\$ 1,776.00			
Drainage Channel Lining, Other Stabilization						
<i>[insert items not listed but part of construction plans]</i>						
				Section 2 Subtotal	= \$ 57,944.00	\$ 57,944.00

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

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					% 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)						
24" RCP	397	LF	\$ 91.00	= \$	36,127.00	\$ 36,127.00
Catch Basin	3	EA	\$ 6,931.00	= \$	20,793.00	\$ 20,793.00
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 6"	175	LF	\$ 91.00	= \$	15,925.00	\$ 15,925.00
Gate Valves, 6"	1	EA	\$ 2,247.00	= \$	2,247.00	\$ 2,247.00
Fire Hydrant Assembly, w/ all valves	1	EA	\$ 7,978.00	= \$	7,978.00	\$ 7,978.00
Water Service Line Installation, inc. tap and valves	1	EA	\$ 1,601.00	= \$	1,601.00	\$ 1,601.00
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>						
				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 4"	385	LF	\$ 78.00	= \$	30,030.00	\$ 30,030.00
Sanitary Sewer Manhole, Depth < 15 feet	1	EA	\$ 5,305.00	= \$	5,305.00	\$ 5,305.00
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>						
				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
Trees	99	EA	\$ 508.00	= \$	50,292.00	\$ 50,292.00
Shrubs	98	EA	\$ 48.50	= \$	4,753.00	\$ 4,753.00
Irrigation	1	LS	\$ 10,000.00	= \$	10,000.00	\$ 10,000.00
Landscape Rock	31,637	SF	\$ 1.50	= \$	47,455.50	\$ 47,455.50
Native Seed	20,000	SF	\$ 0.15	= \$	3,000.00	\$ 3,000.00
				Section 3 Subtotal	= \$ 235,506.50	\$ 235,506.50

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

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Project Name	Date	PCD File No. PPR2321

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 10,000.00	= \$ 10,000.00	\$	10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -	\$	-
Total Construction Financial Assurance					\$	389,701.75
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	389,701.75
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	24,328.25
(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 attached Erosion Control Plan and Construction Drawings associated with the Project.



[Signature]

Approved by Engineer (Seal Required)

[Signature]

Approved by Owner / Applicant

Date

10/31/23

Approved by El Paso County Engineer / ECH Administrator

Date