

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

Updated: 10/16/23

PROJECT INFORMATION			
Foundation Lutheran Church	10/16/2023	DGW	
Project Name	Date	PCD File No.	PPR2321

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	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 mgmnt.) & 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>				=	\$ -	\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>				=	\$ 5,565.00	\$ 5,565.00
<b>Section 1 Subtotal</b>				=	\$ <b>86,251.25</b>	\$ <b>86,251.25</b>

\* - 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

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>						
<b>ROADWAY IMPROVEMENTS</b>						
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		EA	\$ 364.00	=	\$ -	\$ -
Guide/Street Name Sign		EA		=	\$ -	\$ -
Epoxy Pavement Marking		SF	\$ 16.00	=	\$ -	\$ -
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$ -	\$ -
Barricade - Type 3		EA	\$ 241.00	=	\$ -	\$ -
Delineator - Type 1		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)	2.0	LF	\$ 73.00	=	\$ 146.00	\$ 146.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	=	\$ -	\$ -
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		=	\$ -	\$ -

Please revise pedestrian ramp count. See GEC Plan comments.

**PROJECT INFORMATION**

<b>Foundation Lutheran Church</b>	<b>10/16/2023</b>	<b>DGW</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No. PPR2321</b>

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction) % Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				= \$		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>				= \$		\$ -
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 =		EA		= \$		\$ -
<i>(unit cost = 6x pipe unit cost)</i>						
Flared End Section (FES) CSP Size =		EA		= \$		\$ -
<i>(unit cost = 6x pipe unit cost)</i>						
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>				= \$		\$ -
<b>Section 2 Subtotal</b>				<b>= \$ 52,140.00</b>		<b>\$ 52,140.00</b>

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

PROJECT INFORMATION							
Foundation Lutheran Church	10/16/2023			DGW			
Project Name	Date			PCD File No. PPR2321			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
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
Rock 1 (Granite) (Tons)	12	EA	\$ 117.00	=	\$ 1,404.00		\$ 1,404.00
Rock 2 (River Rock) (cy)	13	EA	\$ 200.00	=	\$ 2,600.00		\$ 2,600.00
Mulch (sf)	2,000	EA	\$ 6.70	=	\$ 13,400.00		\$ 13,400.00
				<b>Section 3 Subtotal</b>	<b>= \$ 192,455.00</b>		<b>\$ 192,455.00</b>

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

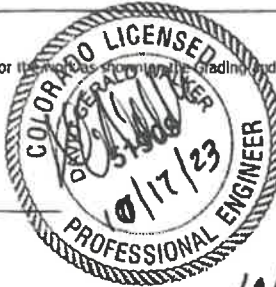
**PROJECT INFORMATION**

Foundation Lutheran Church	10/16/2023	DGW
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		= \$ -		\$ -
<b>Total Construction Financial Assurance</b>						<b>\$ 340,846.25</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>\$ 340,846.25</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>\$ 23,167.45</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 complete estimate of costs for the proposed site plan, grading and erosion control plan and construction drawings associated with the Project.



*[Handwritten Signature]*  
 Engineer (Seal Required)

*[Handwritten Signature]*  
 Approved by Owner / Applicant

*10/17/23*  
 Date

Approved by El Paso County Engineer / ECM Administrator

Date