

Include proposed storm drain improvements and permanent BMP (detention ponds)

Please use the latest Financial Assurance Estimate form. See attached.



2019 Financial Assurance Estimate Form (with pre-plat construction)

|                                             |                  |
|---------------------------------------------|------------------|
| <b>Project Information</b>                  |                  |
| <b>Legacy Church - Green Mountain Falls</b> | <b>7/19/2019</b> |
| Project Name                                | Date             |

include a VTC

| Section 1 - Grading and Erosion Control BMPs                                                                                                           | Quantity | Units | Price              | % Complete   | Remaining     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|--------------------|--------------|---------------|
| Earthwork*                                                                                                                                             | 1,150.00 | CY    | @ \$ \$2 = \$      | 2,518.50     | \$ 2,518.50 * |
| Permanent Seeding* (inc. noxious weed mgmnt.)                                                                                                          | 0.26     | AC    | @ \$ \$582 = \$    | 151.32       | \$ 151.32 *   |
| Mulching*                                                                                                                                              | 0.26     | AC    | @ \$ \$507 = \$    | 131.82       | \$ 131.82 *   |
| Permanent Erosion Control Blanket*                                                                                                                     |          | SY    | @ \$ \$6 = \$      |              | \$ - *        |
| Temporary Erosion Control Blanket                                                                                                                      |          | SY    | @ \$ \$3 = \$      |              | \$ -          |
| Vehicle Tracking Control                                                                                                                               |          | EA    | @ \$ \$1,625 = \$  |              | \$ -          |
| Safety Fence                                                                                                                                           |          | LF    | @ \$ \$3 = \$      |              | \$ -          |
| Silt Fence                                                                                                                                             | 1,552    | LF    | @ \$ \$4 = \$      | 6,208.00     | \$ 6,208.00   |
| Temporary Seeding                                                                                                                                      |          | AC    | @ \$ \$485 = \$    |              | \$ -          |
| Temporary Mulch                                                                                                                                        |          | AC    | @ \$ \$507 = \$    |              | \$ -          |
| Erosion Bales                                                                                                                                          |          | EA    | @ \$ \$21 = \$     |              | \$ -          |
| Erosion Logs                                                                                                                                           |          | LF    | @ \$ \$6 = \$      |              | \$ -          |
| Rock Ditch Checks                                                                                                                                      |          | EA    | @ \$ \$500 = \$    |              | \$ -          |
| Inlet Protection                                                                                                                                       | 17.00    | EA    | @ \$ \$153 = \$    | 2,601.00     | \$ 2,601.00   |
| Sediment Basin                                                                                                                                         |          | EA    | @ \$ \$15,000 = \$ |              | \$ -          |
| Concrete Washout Basin                                                                                                                                 | 1        | EA    | @ \$ \$776 = \$    | 776.00       | \$ 776.00     |
|                                                                                                                                                        |          | @     | \$ = \$            |              | \$ -          |
| * Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process. |          |       |                    |              |               |
| <b>Section 1 Subtotal</b>                                                                                                                              |          |       |                    | \$ 12,386.64 | \$ 12,386.64  |

Include sediment basins shown in GEC plan

| Section 2 - Public Improvements**     | Quantity | Units | Price               | % Complete | Remaining |
|---------------------------------------|----------|-------|---------------------|------------|-----------|
| <b>- Roadway Improvements</b>         |          |       |                     |            |           |
| Construction Traffic Control          |          | LS    | @ \$ = \$           |            | \$ - *    |
| Aggregate Base Course                 |          | Tons  | @ \$ \$28 = \$      |            | \$ - *    |
| Asphalt Pavement                      |          | Tons  | @ \$ \$90 = \$      |            | \$ - *    |
| Raised Median, Paved                  |          | SF    | @ \$ \$7 = \$       |            | \$ - *    |
| Electrical Conduit, Size =            |          | LF    | @ \$ \$14 = \$      |            | \$ - *    |
| Traffic Signal, complete intersection |          | EA    | @ \$ \$250,000 = \$ |            | \$ - *    |
| Regulatory Sign                       |          | EA    | @ \$ \$100 = \$     |            | \$ - *    |
| Advisory Sign                         |          | EA    | @ \$ \$100 = \$     |            | \$ - *    |
| Guide/Street Name Sign                |          | EA    | @ \$ = \$           |            | \$ - *    |
| Epoxy Pavement Marking                |          | SF    | @ \$ \$12 = \$      |            | \$ - *    |
| Thermoplastic Pavement Marking        |          | SF    | @ \$ \$22 = \$      |            | \$ - *    |
| Barricade - Type 3                    |          | EA    | @ \$ \$115 = \$     |            | \$ - *    |
| Delineator (Type I)                   |          | EA    | @ \$ \$21 = \$      |            | \$ - *    |
| Curb and Gutter, Type C (Ramp)        |          | LF    | @ \$ \$21 = \$      |            | \$ - *    |
| Curb and Gutter, Type A (6" Vertical) |          | LF    | @ \$ \$16 = \$      |            | \$ - *    |
| Curb and Gutter, Type B (Median)      |          | LF    | @ \$ \$13 = \$      |            | \$ - *    |
| Concrete Sidewalk, 4"                 |          | SY    | @ \$ \$38 = \$      |            | \$ - *    |
| Concrete Sidewalk, 5"                 |          | SY    | @ \$ \$48 = \$      |            | \$ - *    |
| Concrete Sidewalk, 6"                 |          | SY    | @ \$ \$57 = \$      |            | \$ - *    |
| Pedestrian Ramp                       |          | SY    | @ \$ \$108 = \$     |            | \$ - *    |

|                                                   |  |    |   |          |   |    |      |   |
|---------------------------------------------------|--|----|---|----------|---|----|------|---|
| Cross Pan                                         |  | SY | @ | \$ 53    | = | \$ | \$ - | * |
| Curb Chase                                        |  | EA | @ | \$ 1,300 | = | \$ | \$ - | * |
| Guardrail Type 3 (W-Beam)                         |  | LF | @ | \$ 18    | = | \$ | \$ - | * |
| Guardrail Type 7 (Concrete)                       |  | LF | @ | \$ 67    | = | \$ | \$ - | * |
| Guardrail End Anchorage                           |  | EA | @ | \$ 1,978 | = | \$ | \$ - | * |
| Guardrail Impact Attenuator                       |  | EA | @ | \$ 3,564 | = | \$ | \$ - | * |
| Sound Barrier Fence                               |  | LF | @ | \$ 100   | = | \$ | \$ - | * |
| <b>- Storm Drain Improvements</b>                 |  |    |   |          |   |    |      |   |
| Concrete Box Culvert (M Standard), Size ( W x H ) |  | LF | @ | \$       | = | \$ | \$ - | * |
| Reinforced Concrete Pipe (RCP) Size               |  | LF | @ | \$       | = | \$ | \$ - | * |
| 18" Reinforced Concrete Pipe                      |  | LF | @ | \$ 69    | = | \$ | \$ - | * |
| 24" Reinforced Concrete Pipe                      |  | LF | @ | \$ 84    | = | \$ | \$ - | * |
| 30" Reinforced Concrete Pipe                      |  | LF | @ | \$ 94    | = | \$ | \$ - | * |
| 36" Reinforced Concrete Pipe                      |  | LF | @ | \$ 124   | = | \$ | \$ - | * |
| 42" Reinforced Concrete Pipe                      |  | LF | @ | \$ 134   | = | \$ | \$ - | * |
| 48" Reinforced Concrete Pipe                      |  | LF | @ | \$ 178   | = | \$ | \$ - | * |
| 54" Reinforced Concrete Pipe                      |  | LF | @ | \$ 182   | = | \$ | \$ - | * |
| 60" Reinforced Concrete Pipe                      |  | LF | @ | \$ 216   | = | \$ | \$ - | * |
| 66" Reinforced Concrete Pipe                      |  | LF | @ | \$ 263   | = | \$ | \$ - | * |
| 72" Reinforced Concrete Pipe                      |  | LF | @ | \$ 283   | = | \$ | \$ - | * |
| Corrugated Steel Pipe (CSP) Size                  |  | LF | @ | \$       | = | \$ | \$ - | * |
| 18" Corrugated Steel Pipe                         |  | LF | @ | \$ 66    | = | \$ | \$ - | * |
| 24" Corrugated Steel Pipe                         |  | LF | @ | \$ 96    | = | \$ | \$ - | * |
| 30" Corrugated Steel Pipe                         |  | LF | @ | \$ 101   | = | \$ | \$ - | * |
| 36" Corrugated Steel Pipe                         |  | LF | @ | \$ 136   | = | \$ | \$ - | * |
| 42" Corrugated Steel Pipe                         |  | LF | @ | \$ 147   | = | \$ | \$ - | * |
| 48" Corrugated Steel Pipe                         |  | LF | @ | \$ 169   | = | \$ | \$ - | * |
| 54" Corrugated Steel Pipe                         |  | LF | @ | \$ 193   | = | \$ | \$ - | * |
| 60" Corrugated Steel Pipe                         |  | LF | @ | \$ 227   | = | \$ | \$ - | * |
| 66" Corrugated Steel Pipe                         |  | LF | @ | \$ 278   | = | \$ | \$ - | * |
| 72" Corrugated Steel Pipe                         |  | LF | @ | \$ 330   | = | \$ | \$ - | * |
| 78" Corrugated Steel Pipe                         |  | LF | @ | \$ 381   | = | \$ | \$ - | * |
| 84" Corrugated Steel Pipe                         |  | LF | @ | \$ 432   | = | \$ | \$ - | * |
| Flared End Section (FES) RCP †                    |  | EA | @ | \$       | = | \$ | \$ - | * |
| Flared End Section (FES) CSP †                    |  | EA | @ | \$ 576   | = | \$ | \$ - | * |
| End Treatment- Headwall                           |  | EA | @ | \$       | = | \$ | \$ - | * |
| End Treatment- Wingwall                           |  | EA | @ | \$       | = | \$ | \$ - | * |
| End Treatment - Cutoff Wall                       |  | EA | @ | \$       | = | \$ | \$ - | * |
| Curb Inlet (Type R) L=5', Depth < 5 feet          |  | EA | @ | \$ 3,791 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L=5', 5'-10' Depth            |  | EA | @ | \$ 5,044 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =5' , 10'-15' Depth         |  | EA | @ | \$ 6,027 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =10' , Depth < 5 feet       |  | EA | @ | \$ 5,528 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =10' , 5'-10' Depth         |  | EA | @ | \$ 6,694 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =10' , 10'-15' Depth        |  | EA | @ | \$ 7,500 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =15' , Depth < 5 feet       |  | EA | @ | \$ 7,923 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =15' , 5'-10' Depth         |  | EA | @ | \$ 8,000 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =15' , 10'-15' Depth        |  | EA | @ | \$ 8,800 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =20' , Depth < 5 feet       |  | EA | @ | \$ 8,000 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L =20' , 5'-10' Depth         |  | EA | @ | \$ 8,830 | = | \$ | \$ - | * |
| Curb Inlet (Type R) L = ___' , ___' - ___' Depth  |  | EA | @ | \$       | = | \$ | \$ - | * |
| Curb Inlet (Type R) L = ___' , ___' - ___' Depth  |  | EA | @ | \$       | = | \$ | \$ - | * |
| Grated Inlet (Type C), < 5' deep                  |  | EA | @ | \$ 3,270 | = | \$ | \$ - | * |
| Grated Inlet (Type D), < 5' deep                  |  | EA | @ | \$ 3,908 | = | \$ | \$ - | * |
| Storm Sewer Manhole, Box Base, Depth < 15 feet    |  | EA | @ | \$ 8,592 | = | \$ | \$ - | * |
| Storm Sewer Manhole, Slab Base, Depth < 15 feet   |  | EA | @ | \$ 4,575 | = | \$ | \$ - | * |
| Geotextile (Erosion Control)                      |  | SY | @ | \$ 5     | = | \$ | \$ - | * |
| Rip Rap, d50 Size from 6" to 24"                  |  | CY | @ | \$ 98    | = | \$ | \$ - | * |
| Rip Rap, Grouted                                  |  | CY | @ | \$ 215   | = | \$ | \$ - | * |
| Drainage Channel Construction, Size ( W x H )     |  | LF | @ | \$       | = | \$ | \$ - | * |
| Channel Lining, Concrete                          |  | CY | @ | \$ 450   | = | \$ | \$ - | * |

|                                                                                                                                                                                                              |  |    |   |    |                           |   |    |  |    |   |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---|----|---------------------------|---|----|--|----|---|----|
| Channel Lining, Rip Rap                                                                                                                                                                                      |  | CY | @ | \$ | \$98                      | = | \$ |  | \$ | - | *  |
| Channel Lining, Grass                                                                                                                                                                                        |  | AC | @ | \$ | \$1,287                   | = | \$ |  | \$ | - | *  |
| Channel Lining, Other Stabilization                                                                                                                                                                          |  | SY | @ | \$ | \$3                       | = | \$ |  | \$ | - | *  |
| Detention Outlet Structure                                                                                                                                                                                   |  | EA | @ | \$ |                           | = | \$ |  | \$ | - | *  |
| Detention Emergency Spillway                                                                                                                                                                                 |  | EA | @ | \$ |                           | = | \$ |  | \$ | - | *  |
| Permanent Water Quality Facility (Describe)                                                                                                                                                                  |  | EA | @ | \$ |                           | = | \$ |  | \$ | - | *  |
| * Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to final acceptance process. † For flared end sections, multiply pipe LF cost by 6 |  |    |   |    |                           | = |    |  |    |   | ** |
|                                                                                                                                                                                                              |  |    |   |    | <b>Section 2 Subtotal</b> |   | \$ |  |    |   |    |

| <b>Section 3 - Common Development Improvements<br/>(Private or District)***</b>                                     | <b>Quantity</b> | <b>Units</b> | <b>Price</b> |                           | <b>%<br/>Complete</b> | <b>Remaining</b> |
|---------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------|---------------------------|-----------------------|------------------|
| <b>- Roadway Improvements</b>                                                                                       |                 |              |              |                           |                       |                  |
| Aggregate Base Course                                                                                               |                 | Tons         | @            | \$ 228                    | = \$                  | \$ -             |
| Concrete Pavement                                                                                                   |                 | Tons         | @            | \$ 200                    | = \$                  | \$ -             |
|                                                                                                                     |                 |              | @            | \$                        | = \$                  | \$ -             |
|                                                                                                                     |                 |              | @            | \$ 38                     | = \$                  | \$ -             |
|                                                                                                                     |                 |              | @            | \$                        | = \$                  | \$ -             |
|                                                                                                                     |                 |              | @            | \$                        | = \$                  | \$ -             |
| <b>- Storm Drain Improvements</b>                                                                                   |                 |              |              |                           |                       |                  |
| 18" Corrugated Steel Pipe                                                                                           |                 | LF           | @            | \$ 66                     | = \$                  | \$ -             |
| 24" Corrugated Steel Pipe                                                                                           |                 | LF           | @            | \$ 96                     | = \$                  | \$ -             |
| 18" Flared End Section (FES) CSP                                                                                    |                 | EA           | @            | \$ 396                    | = \$                  | \$ -             |
| 24" Flared End Section (FES) CSP                                                                                    |                 | EA           | @            | \$ 576                    | = \$                  | \$ -             |
| Rip Rap, d50 Size from 6" to 24"                                                                                    |                 | CY           | @            | \$ 98                     | = \$                  | \$ -             |
| Drainage Channel Construction, Size ( 55' x 3' )                                                                    |                 | LF           | @            | \$ 100                    | = \$                  | \$ -             |
| Channel Lining, Rip Rap                                                                                             |                 | CY           | @            | \$ 100                    | = \$                  | \$ -             |
| <b>- Water System Improvements</b>                                                                                  |                 |              |              |                           |                       |                  |
| Water Main Pipe (PVC), Size 8"                                                                                      |                 | LF           | @            | \$ 94                     | = \$                  | \$ -             |
| Water Main Pipe (Ductile Iron), Size 8"                                                                             |                 | LF           | @            | \$ 137                    | = \$                  | \$ -             |
| Gate Valves, 8"                                                                                                     |                 | EA           | @            | \$ 1,852                  | = \$                  | \$ -             |
| Fire Hydrant Assembly w/ all valves                                                                                 |                 | EA           | @            | \$ 6,430                  | = \$                  | \$ -             |
| Water Service Line Installation, including tap and valves                                                           |                 | EA           | @            | \$ 1,253                  | = \$                  | \$ -             |
| Fire Cistern Installation, complete                                                                                 |                 | EA           | @            | \$                        | = \$                  | \$ -             |
| <b>- Sanitary Sewer Improvements</b>                                                                                |                 |              |              |                           |                       |                  |
| Sewer Main Pipe (PVC), Size 8"                                                                                      |                 | LF           | @            | \$ 94                     | = \$                  | \$ -             |
| Sanitary Sewer Manhole, Depth < 15 feet                                                                             |                 | EA           | @            | \$ 4,575                  | = \$                  | \$ -             |
| Sanitary Service Line Installation, complete                                                                        |                 | EA           | @            | \$ 1,516                  | = \$                  | \$ -             |
| Sanitary Sewer Lift Station, complete                                                                               |                 | EA           | @            | \$                        | = \$                  | \$ -             |
| <b>- Landscaping (If Applicable)</b>                                                                                |                 |              |              |                           |                       |                  |
| (List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD) |                 | EA           | @            | \$                        | = \$                  | \$ -             |
|                                                                                                                     |                 | EA           | @            | \$                        | = \$                  | \$ -             |
|                                                                                                                     |                 | EA           | @            | \$                        | = \$                  | \$ -             |
|                                                                                                                     |                 | EA           | @            | \$                        | = \$                  | \$ -             |
|                                                                                                                     |                 | EA           | @            | \$                        | = \$                  | \$ -             |
| ***items in this section are not subject to defect warranty financial assurance                                     |                 |              |              |                           |                       |                  |
|                                                                                                                     |                 |              |              | <b>Section 3 Subtotal</b> | = \$                  |                  |

**Financial Assurance Totals**

|                                                                                 |                                                                                                                 |                    |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) | \$                                                                                                              |                    |
| ( Inc. survey to verify detention pond volumes.)                                | <b>Total Construction Financial Assurance</b>                                                                   | <b>\$12,386.64</b> |
|                                                                                 | (Sum of all section subtotals)                                                                                  |                    |
|                                                                                 | <b>Total Remaining Construction Financial Assurance</b>                                                         | <b>12,386.64</b>   |
|                                                                                 | (Sum of all section totals less credit for items complete)                                                      |                    |
|                                                                                 | <b>Total Defect Warranty Financial Assurance</b>                                                                | <b>\$560.33</b>    |
|                                                                                 | (20% of all items identified as public improvements(*). 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 approved Construction Drawings associated with the Project.

|                                                         |             |      |
|---------------------------------------------------------|-------------|------|
| Engineer                                                | (P.E. Seal) | Date |
| Approved by Owner / Applicant                           |             | Date |
| Approved by El Paso County Engineer / ECM Administrator |             | Date |

# Markup Summary

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8/7/2019 3:25:45 PM (1)

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**Subject:** File Attachment  
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**Author:** Daniel Torres  
**Date:** 8/7/2019 3:25:45 PM  
**Color:** ■

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8/7/2019 3:29:12 PM (1)

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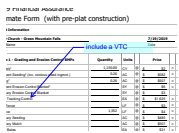
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**Page Label:** 1  
**Author:** Daniel Torres  
**Date:** 8/7/2019 3:29:12 PM  
**Color:** ■

Include sediment basins shown in GEC plan

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8/7/2019 3:29:21 PM (1)

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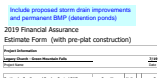
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**Page Label:** 1  
**Author:** Daniel Torres  
**Date:** 8/7/2019 3:29:21 PM  
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include a VTC

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8/7/2019 4:01:58 PM (1)

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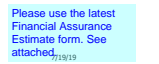
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**Author:** Daniel Torres  
**Date:** 8/7/2019 4:01:58 PM  
**Color:** ■

Include proposed storm drain improvements and permanent BMP (detention ponds)

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8/7/2019 4:04:35 PM (1)

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**Subject:** Text Box  
**Page Label:** 1  
**Author:** Daniel Torres  
**Date:** 8/7/2019 4:04:35 PM  
**Color:** ■

Please use the latest Financial Assurance Estimate form. See attached.