

# 2021 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 12/22/2020

## PROJECT INFORMATION

MVEA - Eastonville 1

7/15/2021

Project Name

Date

PCD File No. CDR-21-006

| Description                                                                                                                                     |     | Quantity | Units       | Unit Cost |              | Total | (with Pre-Plat Construction)<br>% 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                                                                                                                      |     | CY       | \$ 5.00     | =         | \$ -         |       | \$ -                                       |           |
| 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 Seeding (inc. noxious weed mgmnt.)                                                                                                  | 3.7 | AC       | \$ 828.00   | =         | \$ 3,063.60  |       | \$ 3,063.60                                |           |
| * Mulching                                                                                                                                      |     | AC       | \$ 777.00   | =         | \$ -         |       | \$ -                                       |           |
| * Permanent Erosion Control Blanket                                                                                                             |     | SY       | \$ 6.00     | =         | \$ -         |       | \$ -                                       |           |
| * Permanent Pond/BMP Construction                                                                                                               |     | CY       | \$ 21.00    | =         | \$ -         |       | \$ -                                       |           |
| * Permanent Pond/BMP (provide engineer's estimate)                                                                                              |     | EA       |             | =         | \$ -         |       | \$ -                                       |           |
|                                                                                                                                                 |     | EA       |             | =         | \$ -         |       | \$ -                                       |           |
| Safety Fence                                                                                                                                    |     | LF       | \$ 3.00     | =         | \$ -         |       | \$ -                                       |           |
| Temporary Erosion Control Blanket                                                                                                               |     | SY       | \$ 3.00     | =         | \$ -         |       | \$ -                                       |           |
| Vehicle Tracking Control                                                                                                                        | 5   | EA       | \$ 2,453.00 | =         | \$ 12,265.00 |       | \$ 12,265.00                               |           |
| Silt Fence                                                                                                                                      |     | LF       | \$ 2.60     | =         | \$ -         |       | \$ -                                       |           |
| Temporary Seeding                                                                                                                               |     | AC       | \$ 650.00   | =         | \$ -         |       | \$ -                                       |           |
| Temporary Mulch                                                                                                                                 |     | AC       | \$ 777.00   | =         | \$ -         |       | \$ -                                       |           |
| Erosion Bales                                                                                                                                   |     | EA       | \$ 26.00    | =         | \$ -         |       | \$ -                                       |           |
| Erosion Logs/Straw Waddle                                                                                                                       | 40  | LF       | \$ 5.00     | =         | \$ 200.00    |       | \$ 200.00                                  |           |
| Rock Check Dams                                                                                                                                 |     | EA       | \$ 518.00   | =         | \$ -         |       | \$ -                                       |           |
| Inlet Protection                                                                                                                                |     | EA       | \$ 173.00   | =         | \$ -         |       | \$ -                                       |           |
| Sediment Basin                                                                                                                                  |     | EA       | \$ 1,824.00 | =         | \$ -         |       | \$ -                                       |           |
| Concrete Washout Basin                                                                                                                          |     | EA       | \$ 932.00   | =         | \$ -         |       | \$ -                                       |           |
| [insert items not listed but part of construction plans]                                                                                        |     |          |             |           | \$ -         |       | \$ -                                       |           |
| MAINTENANCE (35% of Construction BMPs)                                                                                                          |     |          |             | =         | \$ 4,362.75  |       | \$ 4,362.75                                |           |
| Section 1 Subtotal                                                                                                                              |     |          |             | =         | \$ 19,891.35 |       | \$ 19,891.35                               |           |
| * - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED) |     |          |             |           |              |       |                                            |           |

## SECTION 2 - PUBLIC IMPROVEMENTS \*

|                                                            |  |      |             |   |      |  |      |
|------------------------------------------------------------|--|------|-------------|---|------|--|------|
| <b>ROADWAY IMPROVEMENTS</b>                                |  |      |             |   |      |  |      |
| Construction Traffic Control                               |  | LS   |             | = | \$ - |  | \$ - |
| Aggregate Base Course (135 lbs/cf)                         |  | Tons | \$ 29.00    | = | \$ - |  | \$ - |
| Aggregate Base Course (135 lbs/cf)                         |  | CY   | \$ 52.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (3" thick)                                |  | SY   | \$ 14.50    | = | \$ - |  | \$ - |
| Asphalt Pavement (4" thick)                                |  | SY   | \$ 20.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (6" thick)                                |  | SY   | \$ 30.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (147 lbs/cf) _" thick                     |  | Tons | \$ 91.00    | = | \$ - |  | \$ - |
| Raised Median, Paved                                       |  | SF   | \$ 8.30     | = | \$ - |  | \$ - |
| Regulatory Sign/Advisory Sign                              |  | EA   | \$ 311.00   | = | \$ - |  | \$ - |
| Guide/Street Name Sign                                     |  | EA   |             | = | \$ - |  | \$ - |
| Epoxy Pavement Marking                                     |  | SF   | \$ 14.00    | = | \$ - |  | \$ - |
| Thermoplastic Pavement Marking                             |  | SF   | \$ 24.00    | = | \$ - |  | \$ - |
| Barricade - Type 3                                         |  | EA   | \$ 207.00   | = | \$ - |  | \$ - |
| Delineator - Type I                                        |  | EA   | \$ 25.00    | = | \$ - |  | \$ - |
| Curb and Gutter, Type A (6" Vertical)                      |  | LF   | \$ 31.00    | = | \$ - |  | \$ - |
| Curb and Gutter, Type B (Median)                           |  | LF   | \$ 31.00    | = | \$ - |  | \$ - |
| Curb and Gutter, Type C (Ramp)                             |  | LF   | \$ 31.00    | = | \$ - |  | \$ - |
| 4" Sidewalk (common areas only)                            |  | SY   | \$ 50.00    | = | \$ - |  | \$ - |
| 5" Sidewalk                                                |  | SY   | \$ 62.00    | = | \$ - |  | \$ - |
| 6" Sidewalk                                                |  | SY   | \$ 75.00    | = | \$ - |  | \$ - |
| 8" Sidewalk                                                |  | SY   | \$ 99.00    | = | \$ - |  | \$ - |
| Pedestrian Ramp                                            |  | EA   | \$ 1,190.00 | = | \$ - |  | \$ - |
| Cross Pan, local (8" thick, 6' wide to include return)     |  | LF   | \$ 63.00    | = | \$ - |  | \$ - |
| Cross Pan, collector (9" thick, 8' wide to include return) |  | LF   | \$ 95.00    | = | \$ - |  | \$ - |
| Curb Chase                                                 |  | EA   | \$ 1,532.00 | = | \$ - |  | \$ - |
| Guardrail Type 3 (W-Beam)                                  |  | LF   | \$ 51.00    | = | \$ - |  | \$ - |
| Guardrail Type 7 (Concrete)                                |  | LF   | \$ 75.00    | = | \$ - |  | \$ - |
| Guardrail End Anchorage                                    |  | EA   | \$ 2,172.00 | = | \$ - |  | \$ - |
| Guardrail Impact Attenuator                                |  | EA   | \$ 3,899.00 | = | \$ - |  | \$ - |
| Sound Barrier Fence (CMU block, 6' high)                   |  | LF   | \$ 81.00    | = | \$ - |  | \$ - |
| Sound Barrier Fence (panels, 6' high)                      |  | LF   | \$ 83.00    | = | \$ - |  | \$ - |
| Electrical Conduit, Size =                                 |  | LF   | \$ 17.00    | = | \$ - |  | \$ - |
| Traffic Signal, complete intersection                      |  | EA   | \$ 439,875  | = | \$ - |  | \$ - |



| PROJECT INFORMATION                                                    |          |           |              |                         |       |                              |           |
|------------------------------------------------------------------------|----------|-----------|--------------|-------------------------|-------|------------------------------|-----------|
| MVEA - Eastonville 1                                                   |          | 7/15/2021 |              | PCD File No. CDR-21-006 |       |                              |           |
| Project Name                                                           |          | Date      |              |                         |       |                              |           |
| Description                                                            | Quantity | Units     | Unit Cost    |                         | Total | (with Pre-Plat Construction) |           |
|                                                                        |          |           |              |                         |       | % 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        | \$ 67.00     | =                       | \$    |                              | \$        |
| 24" Reinforced Concrete Pipe                                           |          | LF        | \$ 81.00     | =                       | \$    |                              | \$        |
| 30" Reinforced Concrete Pipe                                           |          | LF        | \$ 100.00    | =                       | \$    |                              | \$        |
| 36" Reinforced Concrete Pipe                                           |          | LF        | \$ 124.00    | =                       | \$    |                              | \$        |
| 42" Reinforced Concrete Pipe                                           |          | LF        | \$ 166.00    | =                       | \$    |                              | \$        |
| 48" Reinforced Concrete Pipe                                           |          | LF        | \$ 202.00    | =                       | \$    |                              | \$        |
| 54" Reinforced Concrete Pipe                                           |          | LF        | \$ 254.00    | =                       | \$    |                              | \$        |
| 60" Reinforced Concrete Pipe                                           |          | LF        | \$ 298.00    | =                       | \$    |                              | \$        |
| 66" Reinforced Concrete Pipe                                           |          | LF        | \$ 344.00    | =                       | \$    |                              | \$        |
| 72" Reinforced Concrete Pipe                                           |          | LF        | \$ 393.00    | =                       | \$    |                              | \$        |
| 18" Corrugated Steel Pipe                                              |          | LF        | \$ 87.00     | =                       | \$    |                              | \$        |
| 24" Corrugated Steel Pipe                                              |          | LF        | \$ 99.00     | =                       | \$    |                              | \$        |
| 30" Corrugated Steel Pipe                                              |          | LF        | \$ 126.00    | =                       | \$    |                              | \$        |
| 36" Corrugated Steel Pipe                                              |          | LF        | \$ 152.00    | =                       | \$    |                              | \$        |
| 42" Corrugated Steel Pipe                                              |          | LF        | \$ 174.00    | =                       | \$    |                              | \$        |
| 48" Corrugated Steel Pipe                                              |          | LF        | \$ 184.00    | =                       | \$    |                              | \$        |
| 54" Corrugated Steel Pipe                                              |          | LF        | \$ 269.00    | =                       | \$    |                              | \$        |
| 60" Corrugated Steel Pipe                                              |          | LF        | \$ 290.00    | =                       | \$    |                              | \$        |
| 66" Corrugated Steel Pipe                                              |          | LF        | \$ 352.00    | =                       | \$    |                              | \$        |
| 72" Corrugated Steel Pipe                                              |          | LF        | \$ 414.00    | =                       | \$    |                              | \$        |
| 78" Corrugated Steel Pipe                                              |          | LF        | \$ 476.00    | =                       | \$    |                              | \$        |
| 84" Corrugated Steel Pipe                                              |          | LF        | \$ 569.00    | =                       | \$    |                              | \$        |
| Flared End Section (FES) RCP Size =<br>(unit cost = 6x pipe unit cost) |          | EA        |              | =                       | \$    |                              | \$        |
| Flared End Section (FES) CSP Size =<br>(unit cost = 6x pipe unit cost) |          | EA        |              | =                       | \$    |                              | \$        |
| End Treatment- Headwall                                                |          | EA        |              | =                       | \$    |                              | \$        |
| End Treatment- Wingwall                                                |          | EA        |              | =                       | \$    |                              | \$        |
| End Treatment - Cutoff Wall                                            |          | EA        |              | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=5', Depth < 5'                                   |          | EA        | \$ 5,736.00  | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'                             |          | EA        | \$ 7,440.00  | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'                            |          | EA        | \$ 8,637.00  | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=10', Depth < 5'                                  |          | EA        | \$ 7,894.00  | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'                            |          | EA        | \$ 8,136.00  | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'                           |          | EA        | \$ 10,185.00 | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=15', Depth < 5'                                  |          | EA        | \$ 10,265.00 | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'                            |          | EA        | \$ 11,005.00 | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'                           |          | EA        | \$ 12,034.00 | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=20', Depth < 5'                                  |          | EA        | \$ 10,940.00 | =                       | \$    |                              | \$        |
| Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'                            |          | EA        | \$ 12,075.00 | =                       | \$    |                              | \$        |
| Grated Inlet (Type C), Depth < 5'                                      |          | EA        | \$ 4,802.00  | =                       | \$    |                              | \$        |
| Grated Inlet (Type D), Depth < 5'                                      |          | EA        | \$ 5,932.00  | =                       | \$    |                              | \$        |
| Storm Sewer Manhole, Box Base                                          |          | EA        | \$ 12,034.00 | =                       | \$    |                              | \$        |
| Storm Sewer Manhole, Slab Base                                         |          | EA        | \$ 6,619.00  | =                       | \$    |                              | \$        |
| Geotextile (Erosion Control)                                           |          | SY        | \$ 6.20      | =                       | \$    |                              | \$        |
| Rip Rap, d50 size from 6" to 24"                                       |          | Tons      | \$ 83.00     | =                       | \$    |                              | \$        |
| Rip Rap, Grouted                                                       |          | Tons      | \$ 98.00     | =                       | \$    |                              | \$        |
| Drainage Channel Construction, Size ( W x H )                          |          | LF        |              | =                       | \$    |                              | \$        |
| Drainage Channel Lining, Concrete                                      |          | CY        | \$ 590.00    | =                       | \$    |                              | \$        |
| Drainage Channel Lining, Rip Rap                                       |          | CY        | \$ 116.00    | =                       | \$    |                              | \$        |
| Drainage Channel Lining, Grass                                         |          | AC        | \$ 1,520.00  | =                       | \$    |                              | \$        |
| Drainage Channel Lining, Other Stabilization                           |          |           |              | =                       | \$    |                              | \$        |
| [insert items not listed but part of construction plans]               |          |           |              |                         |       |                              |           |
| Section 2 Subtotal                                                     |          |           |              | =                       | \$    |                              | \$        |

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





| PROJECT INFORMATION  |           |              |            |
|----------------------|-----------|--------------|------------|
| MVEA - Eastonville 1 | 7/15/2021 | PCD File No. | CDR-21-006 |
| Project Name         | Date      |              |            |

| Description                                                                                          | Quantity | Units | Unit Cost | Total | (with Pre-Plat Construction)<br>% Complete | Remaining    |
|------------------------------------------------------------------------------------------------------|----------|-------|-----------|-------|--------------------------------------------|--------------|
| AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)                                        |          | LS    | =         | \$    |                                            | \$           |
| POND/BMP CERTIFICATION (inc. elevations and volume calculations)                                     |          | LS    | =         | \$    |                                            | \$           |
| Total Construction Financial Assurance                                                               |          |       |           |       |                                            | \$ 19,891.35 |
| (Sum of all section subtotals plus as-builts and pond/BMP certification)                             |          |       |           |       |                                            |              |
| Total Remaining Construction Financial Assurance (with Pre-Plat Construction)                        |          |       |           |       |                                            | \$ 19,891.35 |
| (Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification) |          |       |           |       |                                            |              |
| Total Defect Warranty Financial Assurance                                                            |          |       |           |       |                                            | \$ 612.72    |
| (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 shown on the Erosion Control Plan and Construction Drawings associated with the Project.

*L. Ducett*

Engineer (P.E. Seal Required)



Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Date

**Approved**

by Jeff Rice

El Paso County Planning and Community Development  
on behalf of Elizabeth Nijkamp, Engineering Review Manager



10/11/2021 4:42:38 PM