

# 2015 Financial Assurance Estimate Form

(Basic form)

PCD Project No. PPR-17-026

|  |                 |
|--|-----------------|
| <b>Project Information</b>                       |                 |
| <b>Lot 12, Claremont Business Park Fil.No. 2</b> | <b>8/7/2017</b> |
| Project Name _____                               | Date _____      |

| Section 1 - Grading and Erosion Control BMPs                   | Quantity | Units | Price      |                           |                      |
|--|----------|-------|------------|---------------------------|----------------------|
| Earthwork*   | 815.00   | CY    | @ \$ 5     | =                         | \$ 4,075.00 *        |
| Permanent Seeding*   | 0.34     | AC    | @ \$ 582   | =                         | \$ 197.88 *          |
| Mulching*  | 0.34     | AC    | @ \$ 507   | =                         | \$ 172.38 *          |
| Permanent Erosion Control Blanket*                             |          | SY    | @ \$ 8     | =                         | \$ *                 |
| Temporary Erosion Control Blanket                              |          | SY    | @ \$ 3     | =                         | \$                   |
| Vehicle Tracking Control                                       | 1.00     | EA    | @ \$ 1,625 | =                         | \$ 1,625.00          |
| Safety Fence   |          | LF    | @ \$ 3     | =                         | \$                   |
| Silt Fence   | 148.00   | LF    | @ \$ 4     | =                         | \$ 592.00            |
| Temporary Seeding  | 0.34     | AC    | @ \$ 485   | =                         | \$ 164.90            |
| Temporary Mulch  |          | AC    | @ \$ 507   | =                         | \$                   |
| Erosion Bales  |          | EA    | @ \$ 21    | =                         | \$                   |
| Erosion Logs   |          | LF    | @ \$ 6     | =                         | \$                   |
| Rock Ditch Checks  |          | EA    | @ \$       | =                         | \$                   |
| Inlet Protection   | 1.00     | EA    | @ \$ 153   | =                         | \$ 153.00            |
| Sediment Basin   |          | EA    | @ \$ 1,625 | =                         | \$                   |
| Concrete Washout Basin   | 1.00     | EA    | @ \$ 776   | =                         | \$ 776.00            |
|  |          | @     | \$         | =                         | \$                   |
| Specified items subject to defect warranty financial assurance |          |       |            |                           |                      |
|  |          |       |            | <b>Section 1 Subtotal</b> | <b>= \$ 7,756.16</b> |

| Section 2 - Public Improvements**     | Quantity | Units | Price        |   |    |
|---------------------------------------|----------|-------|--------------|---|----|
| <b>- Roadway Improvements</b>         |          |       |              |   |    |
| Construction Traffic Control          |          | LS    | @ \$         | = | \$ |
| Aggregate Base Course                 |          | Tons  | @ \$ 18      | = | \$ |
| Asphalt Pavement                      |          | Tons  | @ \$ 65      | = | \$ |
| 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      | = | \$ |
| 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 | @ | \$ |         | = | \$ |
| 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 | @ | \$ |                           | = | \$           |
| **all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6 |    |   |    |                           |   |              |
|  |    |   |    | <b>Section 2 Subtotal</b> | = | \$ <b>**</b> |

| <b>Section 3 - Common Development Improvements<br/>(Private or District)***</b>   | <b>Quantity</b> | <b>Units</b> | <b>Price</b> |                           |                |
|---|-----------------|--------------|--------------|---------------------------|----------------|
| <b>- Roadway Improvements</b>   |                 |              |              |                           |                |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) |                 |              | @            | \$                        | = \$           |
|   |                 |              | @            | \$                        | = \$           |
|   |                 |              | @            | \$                        | = \$           |
| Concrete Sidewalk   |                 | SY           | @            | \$ 38                     | = \$           |
| Curb and Gutter, Type B (6" Vertical)   |                 | LF           | @            | \$ 20                     | = \$           |
| Aggregate Base Course   |                 |              | @            | \$                        | = \$           |
| <b>- Storm Drain Improvements</b>   |                 |              |              |                           |                |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) |                 |              | @            | \$                        | = \$           |
|   |                 |              | @            | \$                        | = \$           |
|   |                 |              | @            | \$                        | = \$           |
|   |                 |              | @            | \$                        | = \$           |
| Permanent WQ Facility (Grading)   | 1.00            | EA           | @            | \$ 1,500                  | = \$ 1,500.00  |
| Subsurface WQ Storm Facility  | 1.00            | EA           | @            | \$ 14,750                 | = \$ 14,750.00 |
| Class C Filter Material   |                 | CY           | @            | \$ 35                     | = \$           |
| Reinforced Vertical Concrete Walls  |                 | CY           | @            | \$ 725                    | = \$           |
|   |                 |              | @            | \$                        | = \$           |
| <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, inc. tap & 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           | @            | \$                        | = \$           |
| Swale (Cobble Stone/Grass)  |                 | EA           | @            | \$                        | = \$           |
|   |                 | EA           | @            | \$                        | = \$           |
|   |                 | EA           | @            | \$                        | = \$           |
| ***Items in this section are not subject to defect warranty financial assurance   |                 |              |              | <b>Section 3 Subtotal</b> | = \$ 16,250.00 |

**Financial Assurance Totals**

|   |   |    |              |
|---|---|----|--------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) |   | \$ | 500.00       |
| ( Inc. survey to verify detention pond volumes.)                                | Construction Financial Assurance Total  | =  | \$ 24,506.16 |
|   | (Sum of all Section Totals)   |    |              |
|   | Public Improvements Total**   | \$ | 4,445.26     |
|   | Defect Warranty Financial Assurance Total                                       | =  | \$ 889.05    |
|   | (20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items) |    |              |

**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



Date

*[Handwritten Signature]*

*11/29/17*

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date