

2015 Financial Assurance  
Estimate Form (with pre-plat construction)

10/15/2015

**Project Information**

Carriage Meadow North Filing No. 1 - Early Grading with Wet Utilities

March 9/2018

Project Name

Date

| Section 1 - Grading and Erosion Control BMPs  | Quantity  | Units |   | Price    |                 | %<br>Complete | Remaining      |
|---|-----------|-------|---|----------|-----------------|---------------|----------------|
| Earthwork*  | 10,000.00 | CY    | @ | \$ 5     | = \$ 50,000.00  |               | \$ 50,000.00 * |
| Permanent Seeding*  | 10.00     | AC    | @ | \$ 582   | = \$ 5,820.00   |               | \$ 5,820.00 *  |
| Mulching*   | 10.00     | AC    | @ | \$ 507   | = \$ 5,070.00   |               | \$ 5,070.00 *  |
| Permanent Erosion Control Blanket*  | 700.00    | SY    | @ | \$ 6     | = \$ 4,200.00   |               | \$ 4,200.00 *  |
| Temporary Erosion Control Blanket   |           | SY    | @ | \$ 3     | = \$            |               | \$ -           |
| Vehicle Tracking Control  | 1.00      | EA    | @ | \$ 1,625 | = \$ 1,625.00   |               | \$ 1,625.00    |
| Safety Fence  |           | LF    | @ | \$ 3     | = \$            |               | \$ -           |
| Silt Fence  | 3,600.00  | LF    | @ | \$ 4     | = \$ 14,400.00  |               | \$ 14,400.00   |
| Temporary Seeding   | 40.00     | AC    | @ | \$ 485   | = \$ 19,400.00  |               | \$ 19,400.00   |
| Temporary Mulch   | 40.00     | AC    | @ | \$ 507   | = \$ 20,280.00  |               | \$ 20,280.00   |
| Erosion Bales   |           | EA    | @ | \$ 21    | = \$            |               | \$ -           |
| Erosion Logs  |           | LF    | @ | \$ 6     | = \$            |               | \$ -           |
| Rock Ditch Checks   |           | EA    | @ | \$       | = \$            |               | \$ -           |
| Inlet Protection  | 15.00     | EA    | @ | \$ 153   | = \$ 2,295.00   |               | \$ 2,295.00    |
| Sediment Basin  | 1.00      | EA    | @ | \$ 1,625 | = \$ 1,625.00   |               | \$ 1,625.00    |
| Concrete Washout Basin  | 1.00      | EA    | @ | \$ 776   | = \$ 776.00     |               | \$ 776.00      |
|   |           | @     |   | \$       | = \$            |               | \$ -           |
| * specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. |           |       |   |          |                 |               |                |
| Section 1 Subtotal  |           |       |   |          | = \$ 125,491.00 |               | \$ 125,491.00  |

| Section 2 - Public Improvements**     | Quantity | Units |   | Price      |      | %<br>Complete | Remaining |
|---------------------------------------|----------|-------|---|------------|------|---------------|-----------|
| <b>- Roadway Improvements</b>         |          |       |   |            |      |               |           |
| Construction Traffic Control          |          | LS    | @ | \$ 5,000   | = \$ |               | \$ - *    |
| 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    | @ | \$ 200     | = \$ |               | \$ - *    |
| Epoxy Pavement Marking                |          | SF    | @ | \$ 12      | = \$ |               | \$ - *    |
| Thermoplastic Pavement Marking        |          | SF    | @ | \$ 22      | = \$ |               | \$ - *    |
| Barricade - Type F                    |          | 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     | = \$ |               | \$ - *    |

EPC file number EGP 18-001 and SF 17-023

|   |          |    |   |    |         |   |    |            |    |            |   |
|---|----------|----|---|----|---------|---|----|------------|----|------------|---|
| 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)                    |          | LF | @ | \$ | 90      | = | \$ |            | \$ | -          | * |
| 18" Reinforced Concrete Pipe                      | 880.00   | LF | @ | \$ | \$69    | = | \$ | 60,720.00  | \$ | 60,720.00  | * |
| 24" Reinforced Concrete Pipe                      | 1,287.00 | LF | @ | \$ | \$84    | = | \$ | 108,108.00 | \$ | 108,108.00 | * |
| 30" Reinforced Concrete Pipe                      | 413.00   | LF | @ | \$ | \$94    | = | \$ | 38,822.00  | \$ | 38,822.00  | * |
| 36" Reinforced Concrete Pipe                      | 284.00   | LF | @ | \$ | \$124   | = | \$ | 35,216.00  | \$ | 35,216.00  | * |
| 42" Reinforced Concrete Pipe                      | 335.00   | LF | @ | \$ | \$134   | = | \$ | 44,890.00  | \$ | 44,890.00  | * |
| 48" Reinforced Concrete Pipe                      | 400.00   | LF | @ | \$ | \$178   | = | \$ | 71,200.00  | \$ | 71,200.00  | * |
| 54" Reinforced Concrete Pipe                      |          | LF | @ | \$ | \$182   | = | \$ |            | \$ | -          | * |
| 60" Reinforced Concrete Pipe                      | 600.00   | LF | @ | \$ | \$216   | = | \$ | 129,600.00 | \$ | 129,600.00 | * |
| 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 †                    | 2.00     | EA | @ | \$ | 800     | = | \$ | 1,600.00   | \$ | 1,600.00   | * |
| 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            | 4.00     | EA | @ | \$ | \$5,044 | = | \$ | 20,176.00  | \$ | 20,176.00  | * |
| Curb Inlet (Type R) L =5' , 10'-15' Depth         |          | EA | @ | \$ | \$6,027 | = | \$ |            | \$ | -          | * |
| Curb Inlet (Type R) L =10', Depth < 5 feet        | 9.00     | EA | @ | \$ | \$5,528 | = | \$ | 49,752.00  | \$ | 49,752.00  | * |
| 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       | 1.00     | EA | @ | \$ | \$7,923 | = | \$ | 7,923.00   | \$ | 7,923.00   | * |
| 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         | 1.00     | EA | @ | \$ | \$8,830 | = | \$ | 8,830.00   | \$ | 8,830.00   | * |
| 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   | 14.00    | EA | @ | \$ | \$4,575 | = | \$ | 64,050.00  | \$ | 64,050.00  | * |
| Geotextile (Erosion Control)                      |          | SY | @ | \$ | \$5     | = | \$ |            | \$ | -          | * |
| Rip Rap, d50 Size from 6" to 24"                  | 10.00    | CY | @ | \$ | \$98    | = | \$ | 980.00     | \$ | 980.00     | * |
| 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                        | 1.00     | EA | @ | \$ | 20,000  | = | \$ | 20,000.00  | \$ | 20,000.00  | * |
| Detention Emergency Spillway                      | 1.00     | EA | @ | \$ | 15,000  | = | \$ | 15,000.00  | \$ | 15,000.00  | * |

|   |      |    |   |                    |   |              |                |
|---|------|----|---|--------------------|---|--------------|----------------|
| Permanent Water Quality Facility (Describe)   | 1.00 | EA | @ | \$ 25,000          | = | \$ 25,000.00 | \$ 25,000.00 * |
| * specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6 |      |    |   |                    |   |              | 701,867.00     |
|   |      |    |   |                    | = | 701,867.00   | 701,867.00 **  |
|   |      |    |   | Section 2 Subtotal |   | \$           |                |

| Section 3 - Common Development Improvements<br>(Private or District)***   | Quantity | Units | Price          |   | %<br>Complete | Remaining |
|---|----------|-------|----------------|---|---------------|-----------|
| <b>- Roadway Improvements</b>   |          |       |                |   |               |           |
| (Include any applicable items from above Public<br>Improvements list, that are to be private and NOT<br>maintained by El Paso County) |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
| Concrete Sidewalk - 5" THICK  |          | SY    | \$ \$38        | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
| <b>- Storm Drain Improvements</b>   |          |       |                |   |               |           |
| (Include any applicable items from above Public<br>Improvements list, that are to be private and NOT<br>maintained by El Paso County) |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
|   |          | @     | \$             | = | \$            | -         |
| <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   | = | \$            | -         |
| Watermain crossing Markscheffel Road  |          | EA    | @ \$ \$120,000 | = | \$            | -         |
| <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<br>subdivision specific condition of approval, or PUD)                |          | EA    | @ \$           | = | \$            | -         |
|   |          | EA    | @ \$           | = | \$            | -         |
|   |          | EA    | @ \$           | = | \$            | -         |
|   |          | EA    | @ \$           | = | \$            | -         |
|   |          | EA    | @ \$           | = | \$            | -         |
| ***items in this section are not subject to defect warranty<br>financial assurance  |          |       |                |   |               |           |
| Section 3 Subtotal  |          |       |                | = | \$            |           |

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

\$ \$2,000

( Inc. survey to verify detention pond volumes.)

**Total Construction Financial Assurance** \$829,358.00

(Sum of all section subtotals)

**Total Remaining Construction Financial Assurance** 829,358.00

(Sum of all section totals less credit for items complete)

**Total Defect Warranty Financial Assurance** \$153,391.40

(20% of all items identified as public improvements (\*) To be collateralized at time of preliminary acceptance)

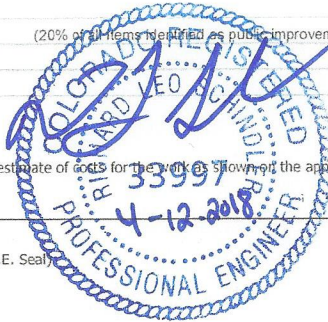
**Approvals**

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

**Approved**

by Elizabeth Nijkamp  
El Paso County Planning and Community Development  
on behalf of Jennifer Irvine, County Engineer, ECM Administrator

**04/12/2018 5:44:57 PM**

