

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

1/25/2018

|  |                          |
|--|--------------------------|
| <b>Project Information: 5908 Bradley Rd.</b> |                          |
| Project Name: Springs at WaterView           | <b>1/25/2018</b><br>Date |

| Section 1 - Grading and Erosion Control BMPs   | Quantity  | Units | Price      |      | % Complete | Remaining       |
|--|-----------|-------|------------|------|------------|-----------------|
| Earthwork*   | 35,000.00 | CY    | @ \$ 5     | = \$ | 175,000.00 | \$ 175,000.00 * |
| Permanent Seeding* (inc. noxious weed mgmnt.)  | 8.00      | AC    | @ \$ 582   | = \$ | 4,656.00   | \$ 4,656.00 *   |
| Mulching*  | 8.00      | AC    | @ \$ 507   | = \$ | 4,056.00   | \$ 4,056.00 *   |
| Permanent Erosion Control Blanket*   |           | SY    | @ \$ 6     | = \$ |            | \$ - *          |
| Temporary Erosion Control Blanket  |           | SY    | @ \$ 3     | = \$ |            | \$ -            |
| Vehicle Tracking Control   | 2.00      | EA    | @ \$ 1,625 | = \$ | 3,250.00   | \$ 3,250.00     |
| Safety Fence   |           | LF    | @ \$ 3     | = \$ |            | \$ -            |
| Silt Fence   | 1,900.00  | LF    | @ \$ 4     | = \$ | 7,600.00   | \$ 7,600.00     |
| Temporary Seeding  |           | AC    | @ \$ 485   | = \$ |            | \$ -            |
| Temporary Mulch  |           | AC    | @ \$ 507   | = \$ |            | \$ -            |
| Erosion Bales  |           | EA    | @ \$ 21    | = \$ |            | \$ -            |
| Erosion Logs   |           | LF    | @ \$ 6     | = \$ |            | \$ -            |
| Rock Ditch Chec  |           | EA    | @ \$       | = \$ |            | \$ -            |
| Inlet Protection   | 14.00     | EA    | @ \$ 153   | = \$ | 2,142.00   | \$ 2,142.00     |
| Sediment Basin   |           | EA    | @ \$ 1,625 | = \$ |            | \$ -            |
| Concrete Washout Basin   | 1.00      | 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 preliminary acceptance process. |           |       |            |      |            |                 |
| <b>Section 1 Subtotal</b>  |           |       |            | = \$ | 197,480.00 | \$ 197,480.00   |

Sediment Basins are required per comments to the Construction Drawings.

| Section 2 - Public Improvements**     | Quantity | Units | Price        |      | % Complete | Remaining       |
|---------------------------------------|----------|-------|--------------|------|------------|-----------------|
| <b>- Roadway Improvements</b>         |          |       |              |      |            |                 |
| Concrete Sidewalk                     | 3,725.00 | SY    | @ \$ 38      | = \$ | 141,550.00 | \$ 141,550.00   |
| Construction Traffic Control          | 1.00     | LS    | @ \$ 7,500   | = \$ | 7,500.00   | \$ 7,500.00 *   |
| Aggregate Base Course                 | 3,235.00 | Tons  | @ \$ 22      | = \$ | 71,170.00  | \$ 71,170.00 *  |
| Asphalt Pavement                      | 2,340.00 | Tons  | @ \$ 95      | = \$ | 222,300.00 | \$ 222,300.00 * |
| Raised Median, Paved                  |          | SF    | @ \$ 7       | = \$ |            | \$ - *          |
| Electrical Conduit, Size =            |          | LF    | @ \$ 14      | = \$ |            | \$ - *          |
| Traffic Signal, complete intersection |          | EA    | @ \$ 250,000 | = \$ |            | \$ - *          |
| Regulatory Sign                       | 7.00     | EA    | @ \$ 100     | = \$ | 700.00     | \$ 700.00 *     |
| Advisory Sign                         |          | EA    | @ \$ 100     | = \$ |            | \$ - *          |
| Guide/Street Name Sign                | 4.00     | 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)        | 4,450.00 | LF    | @ \$ 21      | = \$ | 93,450.00  | \$ 93,450.00 *  |
| Curb and Gutter, Type A (6" Vertical) | 875.00   | LF    | @ \$ 16      | = \$ | 14,000.00  | \$ 14,000.00 *  |
| Curb and Gutter, Type B (Median)      | 165.00   | LF    | @ \$ 13      | = \$ | 2,145.00   | \$ 2,145.00 *   |
| Pedestrian Ramp                       | 100.00   | SY    | @ \$ 108     | = \$ | 10,800.00  | \$ 10,800.00 *  |

|   |        |    |   |          |   |               |                 |
|---|--------|----|---|----------|---|---------------|-----------------|
| Cross Pan   | 167.00 | SY | @ | \$ 53    | = | \$ 8,851.00   | \$ 8,851.00 *   |
| 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                      | 582.00 | LF | @ | \$ 69    | = | \$ 40,158.00  | \$ 40,158.00 *  |
| 24" Reinforced Concrete Pipe                      | 56.00  | LF | @ | \$ 84    | = | \$ 4,704.00   | \$ 4,704.00 *   |
| 30" Reinforced Concrete Pipe                      | 30.00  | LF | @ | \$ 94    | = | \$ 2,820.00   | \$ 2,820.00 *   |
| 36" Reinforced Concrete Pipe                      |        | LF | @ | \$ 124   | = | \$            | \$ - *          |
| 42" Reinforced Concrete Pipe                      |        | LF | @ | \$ 134   | = | \$            | \$ - *          |
| 48" Reinforced Concrete Pipe                      | 918.00 | LF | @ | \$ 178   | = | \$ 163,404.00 | \$ 163,404.00 * |
| 54" Reinforced Concrete Pipe                      |        | LF | @ | \$ 182   | = | \$            | \$ - *          |
| 60" Reinforced Concrete Pipe                      |        | LF | @ | \$ 216   | = | \$            | \$ - *          |
| 66" Reinforced Concrete Pipe                      | 169.00 | LF | @ | \$ 263   | = | \$ 44,447.00  | \$ 44,447.00 *  |
| 72" Reinforced Concrete Pipe                      | 132.00 | LF | @ | \$ 283   | = | \$ 37,356.00  | \$ 37,356.00 *  |
| 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 | @ | \$ 950   | = | \$            | \$ - *          |
| Flared End Section (FES) CSP †                    |        | EA | @ | \$ 250   | = | \$            | \$ - *          |
| End Treatment- Headwall                           |        | EA | @ | \$       | = | \$            | \$ - *          |
| End Treatment- Wingwall                           |        | EA | @ | \$       | = | \$            | \$ - *          |
| End Treatment - Cutoff Wall                       |        | EA | @ | \$       | = | \$            | \$ - *          |
| Curb Inlet (Type R) L=5', Depth < 5 feet          | 8.00   | EA | @ | \$ 3,791 | = | \$ 30,328.00  | \$ 30,328.00 *  |
| 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        | 2.00   | EA | @ | \$ 5,528 | = | \$ 11,056.00  | \$ 11,056.00 *  |
| Curb Inlet (Type R) L =10' , 5'-10' Depth         | 2.00   | EA | @ | \$ 6,694 | = | \$ 13,388.00  | \$ 13,388.00 *  |
| 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                  | 1.00   | EA | @ | \$ 3,908 | = | \$ 3,908.00   | \$ 3,908.00 *   |
| Storm Sewer Manhole, Box Base, Depth < 15 feet    | 2.00   | EA | @ | \$ 8,592 | = | \$ 17,184.00  | \$ 17,184.00 *  |
| Storm Sewer Manhole, Slab Base, Depth < 15 feet   | 3.00   | EA | @ | \$ 4,575 | = | \$ 13,725.00  | \$ 13,725.00 *  |
| 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 | = | \$            | \$ - *          |



| 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 Improvements list, that are to be private and NOT maintained by El Paso County) |          |       | @ \$         | = | \$            |               | \$ -          |
|   |          |       | @ \$         | = | \$            |               | \$ -          |
|   |          |       | @ \$         | = | \$            |               | \$ -          |
|   |          |       | @ \$         | = | \$            |               | \$ -          |
|   |          |       | @ \$         | = | \$            |               | \$ -          |
| <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) |          |       | @ \$         | = | \$            |               | \$ -          |
|   |          |       | @ \$         | = | \$            |               | \$ -          |
|   |          |       | @ \$         | = | \$            |               | \$ -          |
| FES   |          | EA    | @ \$ 250     | = | \$            |               | \$ -          |
| 36" Corrugated  |          | LF    | @ \$ 136     | = | \$            |               | \$ -          |
| Channel Rip Rap   |          | CY    | @ \$ 98      | = | \$            |               | \$ -          |
| Permanent Water Quality   |          | EA    | @ \$ 7,500   | = | \$            |               | \$ -          |
| <b>- Water System Improvements</b>  |          |       |              |   |               |               |               |
| Water Main Pipe (PVC), Size 8"  | 3,909.00 | LF    | @ \$ \$94    | = | \$ 367,446.00 |               | \$ 367,446.00 |
| Water Main Pipe (Ductile Iron), Size 8"   |          | LF    | @ \$ \$137   | = | \$            |               | \$ -          |
| Gate Valves, 8"   | 17.00    | EA    | @ \$ \$1,852 | = | \$ 31,484.00  |               | \$ 31,484.00  |
| Fire Hydrant Assembly w/ all valves   | 5.00     | EA    | @ \$ \$6,430 | = | \$ 32,150.00  |               | \$ 32,150.00  |
| Water Service Line Installation, including tap and valves   | 85.00    | EA    | @ \$ 1,253   | = | \$ 106,505.00 |               | \$ 106,505.00 |
| Fire Cistern Installation, complete   |          | EA    | @ \$         | = | \$            |               | \$ -          |
| <b>- Sanitary Sewer Improvements</b>  |          |       |              |   |               |               |               |
| Sewer Main Pipe (PVC), Size 8"  | 2,725.00 | LF    | @ \$ \$94    | = | \$ 256,150.00 |               | \$ 256,150.00 |
| Sanitary Sewer Manhole, Depth < 15 feet   | 9.00     | EA    | @ \$ \$4,575 | = | \$ 41,175.00  |               | \$ 41,175.00  |
| Sanitary Service Line Installation, complete  | 85.00    | EA    | @ \$ 1,516   | = | \$ 128,860.00 |               | \$ 128,860.00 |
| 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>   |          |       |              |   | =             | \$ 963,770.00 | 963,770.00    |

**Financial Assurance Totals**

|  |   |
|--|---|
| As-built drawings - <b>(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)</b> | \$ <u>\$2,000</u>   |
| ( Inc. survey to verify detention pond volumes.)                                       | <b>Total Construction Financial Assurance</b> <u>\$1,976,644.00</u>   |
|  | (Sum of all section subtotals)  |
|  | <b>Total Remaining Construction Financial Assurance</b> <u>1,976,644.00</u>                                     |
|  | (Sum of all section totals less credit for items complete)  |
|  | <b>Total Defect Warranty Financial Assurance</b> <u>\$199,421.20</u>  |
|  | (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 |