

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

1/21/2019

| | |
|----------------------------|-----------|
| Project Information | |
| Falcon Landing | 1/21/2019 |
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | Price | | % Complete | Remaining |
|--|----------|-------|----------|----------------|------------|---------------|
| Earthwork* | 1,000.00 | CY @ | \$ 5 | = \$ 5,000.00 | | \$ 5,000.00 * |
| Permanent Seeding* (inc. noxious weed mgmnt.) | 0.37 | AC @ | \$ 582 | = \$ 215.34 | | \$ 215.34 * |
| Mulching* | 0.37 | AC @ | \$ 507 | = \$ 187.59 | | \$ 187.59 * |
| Permanent Erosion Control Blanket* | | SY @ | \$ 6 | = \$ | | \$ - * |
| 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 | 380.00 | LF @ | \$ 4 | = \$ 1,520.00 | | \$ 1,520.00 |
| Temporary Seeding | | AC @ | \$ 485 | = \$ | | \$ - |
| Temporary Mulch | | AC @ | \$ 507 | = \$ | | \$ - |
| Erosion Bales | | EA @ | \$ 21 | = \$ | | \$ - |
| Erosion Logs | | LF @ | \$ 6 | = \$ | | \$ - |
| Rock Ditch Checks | | EA @ | \$ | = \$ | | \$ - |
| Inlet Protection | 1.00 | EA @ | \$ 153 | = \$ 153.00 | | \$ 153.00 |
| Sediment Basin | | EA @ | \$ 1,625 | = \$ | | \$ - |
| Concrete Washout Basin | 2.00 | EA @ | \$ 776 | = \$ 1,552.00 | | \$ 1,552.00 |
| | | @ | \$ | = \$ | | \$ - |
| * 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. | | | | | | |
| Section 1 Subtotal | | | | = \$ 10,252.93 | | \$ 10,252.93 |

| Section 2 - Public Improvements** | Quantity | Units | Price | | % Complete | Remaining |
|---------------------------------------|----------|--------|------------|---------------|------------|---------------|
| - Roadway Improvements | | | | | | |
| Construction Traffic Control | | LS @ | \$ | = \$ | | \$ - * |
| Aggregate Base Course | | Tons @ | \$ 18 | = \$ | | \$ - * |
| Asphalt Pavement | | Tons @ | \$ 65 | = \$ | | \$ - * |
| Concrete Sidewalk | | SY @ | \$ 38 | = \$ | | \$ - * |
| 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 | = \$ | | \$ - * |
| Baricade - Type 3 | | EA @ | \$ 115 | = \$ | | \$ - * |
| Deineator (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 | 47.38 | SY @ | \$ 53 | = \$ 2,511.14 | | \$ 2,511.14 * |
| 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 | = \$ | | \$ - * |

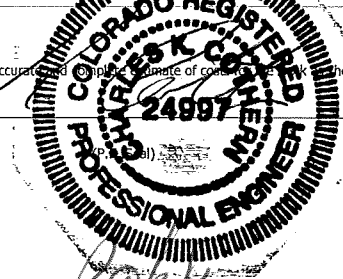
| - Storm Drain Improvements | | | | | | | | |
|--|------|----|---|------------|---|-------------|--|----------------|
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | @ | \$ | = | \$ | | \$ - * |
| Reinforced Concrete Pipe (RCP) Size | | LF | @ | \$ | = | \$ | | \$ - * |
| 18" Reinforced Concrete 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 | @ | \$ \$218 | = | \$ | | \$ - * |
| 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" | 1.37 | CY | @ | \$ \$98 | = | \$ 134.26 | | \$ 134.26 * |
| Rip Rap, Grouted | | CY | @ | \$ \$215 | = | \$ | | \$ - * |
| Drainage Channel Construction, Size (W x H) | | LF | @ | \$ | = | \$ | | \$ - * |
| Channel Lining, Concrete | 3.30 | CY | @ | \$ \$450 | = | \$ 1,485.00 | | \$ 1,485.00 * |
| 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 (PLD) | 1.00 | EA | @ | \$ \$5,000 | = | \$ 5,000.00 | | \$ 5,000.00 * |
| * 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. † For flared end sections, multiply pipe LF cost by 6 | | | | | | | | |
| Section 2 Subtotal | | | | | | \$ 9,130.40 | | \$ 9,130.40 ** |

| Section 3 - Common Development Improvements (Private or District)*** | Quantity | Units | Price | % Complete | Remaining |
|---|----------|-------|----------|------------|-------------|
| - Roadway Improvements | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| Concrete Sidewalk | 144.30 | @ | \$ 33 | = | \$ 4,761.90 |
| | | @ | \$ | = | \$ - |
| - Storm Drain Improvements | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| | | @ | \$ | = | \$ - |
| - Water System Improvements | | | | | |
| 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 @ | \$ | = | \$ - |
| - Sanitary Sewer Improvements | | | | | |
| 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 @ | \$ | = | \$ - |
| - Landscaping (If Applicable) | | | | | |
| (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 | | | | | |
| Section 3 Subtotal | | | | = | \$ 4,761.90 |
| | | | | | 4,761.90 |

| Financial Assurance Totals | |
|--|--------------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.) | \$ 2,000 |
| Total Construction Financial Assurance | \$26,145.23 |
| (Sum of all section subtotals) | |
| Total Remaining Construction Financial Assurance | 26,145.23 |
| (Sum of all section totals less credit for items complete) | |
| Total Defect Warranty Financial Assurance | \$2,906.67 |
| (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 construction work shown on the approved Construction Drawings associated with the Project.



 Engineer *Charles K. Cameron* Date *3/26/19*

Approved by Owner / Applicant *Chen* Date *3/26/19*

Approved by El Paso County Engineer / ECM Administrator _____ Date _____