

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

11/7/18

Project Information

Judge Orr Road RV Park & Storage Development

11/7/2018

Project Name

Date

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | | Price | | % Complete | Remaining |
|--|-----------|-------|---|------------|-----------------|------------|-----------------|
| Earthwork* | 60,000.00 | CY | @ | \$ 5 | = \$ 300,000.00 | | \$ 300,000.00 * |
| Permanent Seeding* (inc. noxious weed mgmnt.) | 5.00 | AC | @ | \$ \$582 | = \$ 2,910.00 | | \$ 2,910.00 * |
| Mulching* | 5.00 | AC | @ | \$ \$507 | = \$ 2,535.00 | | \$ 2,535.00 * |
| 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 | 3,555.00 | LF | @ | \$ \$4 | = \$ 14,220.00 | | \$ 14,220.00 |
| Temporary Seeding | | AC | @ | \$ \$485 | = \$ | | \$ - |
| Temporary Mulch | | AC | @ | \$ \$507 | = \$ | | \$ - |
| Erosion Bales | 3.00 | EA | @ | \$ \$21 | = \$ 63.00 | | \$ 63.00 |
| Erosion Logs | | LF | @ | \$ \$6 | = \$ | | \$ - |
| Rock Ditch Checks | | EA | @ | \$ | = \$ | | \$ - |
| Inlet Protection | 1.00 | EA | @ | \$ \$153 | = \$ 153.00 | | \$ 153.00 |
| Sediment Basin | 1.00 | EA | @ | \$ \$1,625 | = \$ 1,625.00 | | \$ 1,625.00 |
| Concrete Washout Basin | 1.00 | EA | @ | \$ \$776 | = \$ 776.00 | | \$ 776.00 |
| | | | @ | \$ | = \$ | | \$ - |
| * 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. | | | | | | | |
| Section 1 Subtotal | | | | | = \$ 323,907.00 | | \$ 323,907.00 |

| Section 2 - Public Improvements** | Quantity | Units | | Price | | % Complete | Remaining |
|---------------------------------------|----------|-------|---|--------------|----------------|------------|----------------|
| - Roadway Improvements | | | | | | | |
| Construction Traffic Control | 1.00 | LS | @ | \$ 4,000 | = \$ 4,000.00 | | \$ 4,000.00 * |
| Aggregate Base Course | 1,290.00 | Tons | @ | \$ \$18 | = \$ 23,220.00 | | \$ 23,220.00 * |
| Asphalt Pavement | 678.00 | Tons | @ | \$ \$65 | = \$ 44,070.00 | | \$ 44,070.00 * |
| Raised Median, Paved | | SF | @ | \$ \$7 | = \$ | | \$ - * |
| Electrical Conduit, Size = | | LF | @ | \$ \$14 | = \$ | | \$ - * |
| Traffic Signal, complete intersection | | EA | @ | \$ \$250,000 | = \$ | | \$ - * |
| Regulatory Sign | 1.00 | EA | @ | \$ \$100 | = \$ 100.00 | | \$ 100.00 * |
| Advisory Sign | | EA | @ | \$ \$100 | = \$ | | \$ - * |
| Guide/Street Name Sign | 2.00 | EA | @ | \$ \$177 | = \$ 354.00 | | \$ 354.00 * |
| Epoxy Pavement Marking | | SF | @ | \$ \$12 | = \$ | | \$ - * |
| Thermoplastic Pavement Marking | 546.00 | SF | @ | \$ \$22 | = \$ 12,012.00 | | \$ 12,012.00 * |
| 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) | 1,027.00 | LF | @ | \$ \$16 | = \$ 16,432.00 | | \$ 16,432.00 * |
| Curb and Gutter, Type B (Median) | | LF | @ | \$ \$13 | = \$ | | \$ - * |
| Pedestrian Ramp | 35.00 | SY | @ | \$ \$108 | = \$ 3,780.00 | | \$ 3,780.00 * |

| | | | | | | | |
|---|----------|----|---|------------|---|-------------|----------------|
| Cross Pan | 135.00 | SY | @ | \$ \$53 | = | \$ 7,155.00 | \$ 7,155.00 * |
| Curb Chase | | EA | @ | \$ \$1,300 | = | \$ | \$ - * |
| Concrete Sidewalk | 1,008.00 | LF | @ | \$ \$3 | = | 3,024.00 | \$ 3,024.00 |
| 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 | = | \$ | \$ - * |
| 36"x24" Reinforced Concrete Pipe | 130.00 | LF | @ | \$ \$94 | = | 12,220.00 | \$ 12,220.00 * |
| 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 36"x24" | 2.00 | EA | @ | \$ 700 | = | \$ 1,400.00 | \$ 1,400.00 * |
| 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 | | 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 | = | 90.00 | \$ - * |
| 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 | | EA | @ | \$ | = | \$ | | \$ - * |
| Detention Emergency Spillway | | EA | @ | \$ | = | \$ | | \$ - * |
| Permanent Water Quality Facility (Describe) | | EA | @ | \$ | = | \$ | | \$ - * |
| * 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. † For flared end sections, multiply pipe LF cost by 6 | | | | | = | 127,767.00 | | 127,767.00 ** |
| | | | | | = | \$ | | |
| | | Section 2 Subtotal | | | = | | | |

| 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 | | SY | @ | \$ 338 | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| - Storm Drain Improvements | | | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| High Density Polyethylene (HDPE) Pipe 30" | | LF | | 75 | = | \$ 100.00 | \$ - |
| 18" Reinforced Concrete Pipe | | LF | | \$69 | = | \$ | \$ - |
| Flared End Section (FES) RCP 18" | | EA | | 500 | = | \$ | \$ - |
| Flared End Section (FES) HDPE 30" | | EA | | 650 | = | \$ 100.00 | \$ - |
| Detention Outlet Structure | 1.00 | EA | | 8,000 | = | \$ 8,000.00 100.00 | \$ - |
| Detention Emergency Spillway | 1.00 | EA | | 2,500 | = | \$ 2,500.00 100.00 | \$ - |
| | | EA | | | = | \$ | \$ - |
| | | EA @ | \$ | | = | \$ | \$ - |
| | | CY @ | \$ | | = | \$ | \$ - |
| | | @ | \$ | | = | \$ | \$ - |
| - 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 | = | \$ | \$ - |
| Sewer Main Pipe (PVC), Size 10" | | | | \$100 | = | \$ | \$ - |
| 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 | | = \$ 10,500.00 | |

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) \$ \$1,500

(Inc. survey to verify detention pond volumes.)

Total Construction Financial Assurance \$463,674.00

(Sum of all section subtotals)

Total Remaining Construction Financial Assurance 453,174.00

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

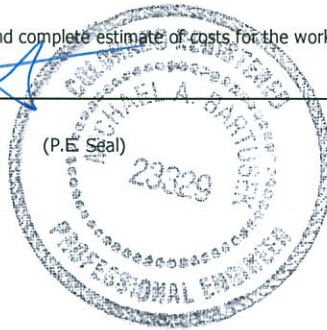
Total Defect Warranty Financial Assurance \$86,642.40

(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



Date

11/6/18

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date