

2015 Financial Assurance

06/22/2018

Estimate Form (with pre-plat construction)

| | |
|--|------------------|
| Project Information | |
| Lorson Ranch East Filing No. 3-Grading & Wet Utilities | <u>1/15/2019</u> |
| 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* | 1.00 | AC | @ \$ \$582 | = \$ 582.00 | | \$ 582.00 * |
| Mulching* | 1.00 | AC | @ \$ \$507 | = \$ 507.00 | | \$ 507.00 * |
| 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 | | LF | @ \$ \$4 | = \$ | | \$ - |
| Temporary Seeding | 10.00 | AC | @ \$ \$485 | = \$ 4,850.00 | | \$ 4,850.00 |
| Temporary Mulch | 10.00 | AC | @ \$ \$507 | = \$ 5,070.00 | | \$ 5,070.00 |
| Erosion Bales | 20.00 | EA | @ \$ \$21 | = \$ 420.00 | | \$ 420.00 |
| Erosion Logs | | LF | @ \$ \$6 | = \$ | | \$ - |
| Rock Ditch Checks | | EA | @ \$ | = \$ | | \$ - |
| Inlet Protection | 4.00 | EA | @ \$ \$153 | = \$ 612.00 | | \$ 612.00 |
| Sediment Basin | 1.00 | EA | @ \$ \$4,000 | = \$ 4,000.00 | | \$ 4,000.00 |
| 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 | | | | = \$ 25,067.00 | | \$ 25,067.00 |

Final acceptance, note new form.

| Section 2 - Public Improvements** | Quantity | Units | Price | | % Complete | Remaining |
|---------------------------------------|----------|-------|----------------|------|------------|-----------|
| - Roadway Improvements | | | | | | |
| Construction Traffic Control | | LS | @ \$ 5,000 | = \$ | | \$ - * |
| Aggregate Base Course, 6" thick | | Tons | @ \$ \$18 | = \$ | | \$ - * |
| Asphalt Pavement, 5" thick | | 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 | = \$ | | \$ - * |

| | | | | | | | | | |
|---|------|----|---|-----------|---|----|-----------|------|---|
| 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 | = | \$ | | \$ - | * |
| - Storm Drain Improvements | | | | | | | | | |
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | @ | \$ | = | \$ | | \$ - | * |
| Reinforced Concrete Pipe (RCP) | | LF | @ | \$ 90 | = | \$ | | \$ - | * |
| 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 | @ | \$ 800 | = | \$ | | \$ - | * |
| 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 = 30' , 5' - 10' Depth | | EA | @ | \$ 10,000 | = | \$ | | \$ - | * |
| 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 | @ | \$ 20 | = | \$ | | \$ - | * |
| 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 | = | \$ | 23,000.00 | \$ - | * |
| Channel Lining, Grass | | AC | @ | \$ 1,287 | = | \$ | | \$ - | * |

| | | | | | | | | | |
|---|------|----|---|-----------|---|--------------|--|--------------|--------------|
| Channel Lining, Other Stabilization | | SY | @ | \$ 3 | = | \$ | | \$ - | * |
| Detention Outlet Structure (standpipes/trash racks) | 2.00 | EA | @ | \$ 4,000 | = | \$ 8,000.00 | | \$ 8,000.00 | * |
| Detention Emergency Spillway (Pond C3) | 1.00 | EA | @ | \$ 15,000 | = | \$ 15,000.00 | | \$ 15,000.00 | * |
| Permanent Water Quality Facility (Describe) | | EA | @ | \$ 25,000 | = | \$ | | \$ - | * |
| * 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 | | | | | | | | 23,000.00 | |
| Section 2 Subtotal | | | | | | | | 23,000.00 | 23,000.00 ** |

Final acceptance, note new form.

| 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 - 5" THICK | | SY @ | \$ 58 | = | \$ | \$ - |
| | | @ | \$ | = | \$ | \$ - |
| | | @ | \$ | = | \$ | \$ - |
| - 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" | 3,150.00 | LF @ | \$ 94 | = | \$ 296,100.00 | \$ - |
| Water Main Pipe (Ductile Iron), Size 8" | | LF @ | \$ 137 | = | \$ | \$ - |
| Gate Valves, 8" | 27.00 | EA @ | \$ 1,852 | = | \$ 50,004.00 | \$ - |
| Fire Hydrant Assembly w/ all valves | 8.00 | EA @ | \$ 6,430 | = | \$ 51,440.00 | \$ - |
| Water Service Line Installation, including tap and valves | 81.00 | EA @ | \$ 1,253 | = | \$ 101,493.00 | \$ - |
| Watermain crossing Marksheffel Road | | EA @ | \$ 120,000 | = | \$ | \$ - |
| - Sanitary Sewer Improvements | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | 3,200.00 | LF @ | \$ 94 | = | \$ 300,800.00 | \$ - |
| Sanitary Sewer Manhole, Depth < 15 feet | 13.00 | EA @ | \$ 4,575 | = | \$ 59,475.00 | \$ - |
| Sanitary Service Line Installation, complete | 81.00 | EA @ | \$ 1,516 | = | \$ 122,796.00 | \$ - |
| Underdrain | 3,200.00 | LF @ | \$ 10 | = | \$ 32,000.00 | \$ - |
| - 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 | = \$ 1,014,108.00 | |

Financial Assurance Totals

| | |
|--|---|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) | \$ <u>\$6,000</u> |
| (Inc. survey to verify detention pond volumes.) | Total Construction Financial Assurance <u>\$1,068,175.00</u> |
| | (Sum of all section subtotals) |
| | Total Remaining Construction Financial Assurance <u>54,067.00</u> |
| | (Sum of all section totals less credit for items complete) |
| | Total Defect Warranty Financial Assurance <u>\$5,817.80</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 _____ Date _____
(P.E. Seal)

Approved by Owner / Applicant _____ Date _____

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