

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

06/22/2018

SF 19-0x

SF-19-003

| | |
|--------------------------------|-----------|
| Project Information | |
| Lorson Ranch East Filing No. 3 | 1/15/2019 |
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | Price | | % Complete | Remaining |
|---|----------|-------|----------|------|------------|-----------|
| Earthwork* | | CY @ | \$ 5 | = \$ | | \$ - * |
| Permanent Seeding* | | AC @ | \$ 582 | = \$ | | \$ - * |
| Mulching* | | AC @ | \$ 507 | = \$ | | \$ - * |
| Permanent Erosion Control Blanket* | | SY @ | \$ 6 | = \$ | | \$ - * |
| Temporary Erosion Control Blanket | | SY @ | \$ 3 | = \$ | | \$ - |
| Vehicle Tracking Control | | EA @ | \$ 1,625 | = \$ | | \$ - |
| Safety Fence | | LF @ | \$ 3 | = \$ | | \$ - |
| Silt Fence | | LF @ | \$ 4 | = \$ | | \$ - |
| Temporary Seeding | | AC @ | \$ 485 | = \$ | | \$ - |
| Temporary Mulch | | AC @ | \$ 507 | = \$ | | \$ - |
| Erosion Bales | | EA @ | \$ 21 | = \$ | | \$ - |
| Erosion Logs | | LF @ | \$ 6 | = \$ | | \$ - |
| Rock Ditch Checks | | EA @ | \$ | = \$ | | \$ - |
| Inlet Protection | | EA @ | \$ 153 | = \$ | | \$ - |
| Sediment Basin | | EA @ | \$ 4,000 | = \$ | | \$ - |
| Concrete Washout Basin | | EA @ | \$ 776 | = \$ | | \$ - |
| | | @ | \$ | = \$ | | \$ - |
| * specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. | | | | | | |
| Section 1 Subtotal | | | | = \$ | | \$ - |

Final acceptance, note new form.

| Section 2 - Public Improvements** | Quantity | Units | Price | | % Complete | Remaining |
|---------------------------------------|----------|--------|------------|-----------------|------------|-----------------|
| - Roadway Improvements | | | | | | |
| Construction Traffic Control | 1.00 | LS @ | \$ 5,000 | = \$ 5,000.00 | | \$ 5,000.00 * |
| Aggregate Base Course, 6" thick | 3,605.00 | Tons @ | \$ 18 | = \$ 64,890.00 | | \$ 64,890.00 * |
| Asphalt Pavement, 5" thick | 2,773.00 | Tons @ | \$ 65 | = \$ 180,245.00 | | \$ 180,245.00 * |
| Raised Median, Paved | | SF @ | \$ 7 | = \$ | | \$ - * |
| Electrical Conduit, Size = | | LF @ | \$ 14 | = \$ | | \$ - * |
| Traffic Signal, complete intersection | | EA @ | \$ 250,000 | = \$ | | \$ - * |
| Regulatory Sign | 5.00 | EA @ | \$ 100 | = \$ 500.00 | | \$ 500.00 * |
| Advisory Sign | | EA @ | \$ 100 | = \$ | | \$ - * |
| Guide/Street Name Sign | 12.00 | EA @ | \$ 200 | = \$ 2,400.00 | | \$ 2,400.00 * |
| 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) | 5,440.00 | LF @ | \$ 21 | = \$ 114,240.00 | | \$ 114,240.00 * |
| Curb and Gutter, Type A (6" Vertical) | 900.00 | LF @ | \$ 16 | = \$ 14,400.00 | | \$ 14,400.00 * |
| Curb and Gutter, Type B (Median) | | LF @ | \$ 13 | = \$ | | \$ - * |
| Pedestrian Ramp | 85.00 | SY @ | \$ 108 | = \$ 9,180.00 | | \$ 9,180.00 * |

| | | | | | | | | |
|---|--------|----|---|-----------|---|--------------|--------------|---|
| Cross Pan | 202.00 | SY | @ | \$ 53 | = | \$ 10,706.00 | \$ 10,706.00 | * |
| 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 | = | \$ | \$ - | * |
| - Storm Drain Improvements | | | | | | | | |
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | @ | \$ | = | \$ | \$ - | * |
| Reinforced Concrete Pipe (RCP) | | LF | @ | \$ 90 | = | \$ | \$ - | * |
| 18" Reinforced Concrete Pipe | 7.00 | LF | @ | \$ 69 | = | \$ 483.00 | \$ 483.00 | * |
| 24" Reinforced Concrete Pipe | 254.00 | LF | @ | \$ 84 | = | \$ 21,336.00 | \$ 21,336.00 | * |
| 30" Reinforced Concrete Pipe | 300.00 | LF | @ | \$ 94 | = | \$ 28,200.00 | \$ 28,200.00 | * |
| 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 † | | 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 | 1.00 | EA | @ | \$ 5,044 | = | \$ 5,044.00 | \$ 5,044.00 | * |
| 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 | 4.00 | EA | @ | \$ 7,923 | = | \$ 31,692.00 | \$ 31,692.00 | * |
| 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 | | 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 | 2.00 | EA | @ | \$ 4,575 | = | \$ 9,150.00 | \$ 9,150.00 | * |
| Geotextile (Erosion Control) | 60.00 | SY | @ | \$ 20 | = | \$ 1,200.00 | \$ 1,200.00 | * |
| 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 | = | \$ | \$ - | * |

| | | | | | | | | |
|---|--|----|---|---------------------------|---|----|------------|---------------|
| Channel Lining, Other Stabilization | | SY | @ | \$ 3 | = | \$ | | \$ - * |
| Detention Outlet Structure | | EA | @ | \$ 4,000 | = | \$ | | \$ - * |
| Detention Emergency Spillway | | EA | @ | \$ 15,000 | = | \$ | | \$ - * |
| 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 | | | | | = | | 498,666.00 | 498,666.00 ** |
| | | | | Section 2 Subtotal | = | \$ | | |

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 | 7,820.00 | SY | @ \$ \$58 | = \$ 453,560.00 | | \$ 453,560.00 |
| | | | @ \$ | = \$ | | \$ - |
| | | | @ \$ | = \$ | | \$ - |
| - 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" | 7,100.00 | LF | @ \$ \$94 | = \$ 667,400.00 | | \$ 667,400.00 |
| Water Main Pipe (Ductile Iron), Size 8" | | LF | @ \$ \$137 | = \$ | | \$ - |
| Gate Valves, 8" | 56.00 | EA | @ \$ \$1,852 | = \$ 103,712.00 | | \$ 103,712.00 |
| Fire Hydrant Assembly w/ all valves | 16.00 | EA | @ \$ \$6,430 | = \$ 102,880.00 | | \$ 102,880.00 |
| Water Service Line Installation, including tap and valves | 196.00 | EA | @ \$ 1,253 | = \$ 245,588.00 | | \$ 245,588.00 |
| Watermain crossing Marksheffel Road | | EA | @ \$ \$120,000 | = \$ | | \$ - |
| - Sanitary Sewer Improvements | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | 7,000.00 | LF | @ \$ \$94 | = \$ 658,000.00 | | \$ 658,000.00 |
| Sanitary Sewer Manhole, Depth < 15 feet | 27.00 | EA | @ \$ \$4,575 | = \$ 123,525.00 | | \$ 123,525.00 |
| Sanitary Service Line Installation, complete | 196.00 | EA | @ \$ 1,516 | = \$ 297,136.00 | | \$ 297,136.00 |
| Underdrain | 7,000.00 | LF | @ \$ 10 | = \$ 70,000.00 | | \$ 70,000.00 |
| - Landscaping (If Applicable) | | | | | | |
| (List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD) | | EA | @ \$ | = \$ | | \$ - |
| | | EA | @ \$ | = \$ | | \$ - |
| Landscape n. side of fontaine from creek to roundabout | 1.00 | EA | @ \$ 35,000 | = \$ 35,000.00 | | \$ 35,000.00 |
| | | EA | @ \$ | = \$ | | \$ - |
| | | EA | @ \$ | = \$ | | \$ - |
| ***items in this section are not subject to defect warranty financial assurance | | | | | | |
| Section 3 Subtotal | | | | = \$ | 2,756,801.00 | 2,756,801.00 |

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>\$3,261,467.00</u> |
| | (Sum of all section subtotals) |
| | Total Remaining Construction Financial Assurance <u>3,261,467.00</u> |
| | (Sum of all section totals less credit for items complete) |
| | Total Defect Warranty Financial Assurance <u>\$99,733.20</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 _____ Date _____
(P.E. Seal)

Approved by Owner / Applicant _____ Date _____

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

Markup Summary

Steve Kuehster (5)

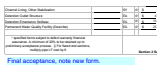


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Final acceptance, note new form.

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Final acceptance, note new form.

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