2015 Financial Assurance Estimate Form

(Basic form)

Project Information

| Lot 1 - Academy Gateway - 7-Eleven | 11/13/2017 |
|------------------------------------|------------|
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | | | Price | | |
|---|----------|-------|---|------|----------------|---|-----------------|
| Earthwork* | 1,140.00 | CY | @ | \$ | \$5 | = | \$ 5,700.00 |
| Permanent Seeding* (inc. noxious weed management) | | AC | @ | \$ | \$582 | = | \$ |
| Mulching* | | AC | @ | \$ | \$507 | = | \$ |
| Permanent Erosion Control Blanket* | | SY | @ | \$ | \$6 | = | \$ |
| Temporary Erosion Control Blanket | | SY | @ | \$ | \$3 | | \$ |
| Vehicle Tracking Control | 1.00 | EA | @ | \$ | \$1,625 | = | \$ 1,625.00 |
| Safety Fence | 200.00 | LF | @ | \$ | \$3 | = | \$ 600.00 |
| Silt Fence | 455.00 | LF | @ | \$ | \$4 | = | \$ 1,820.00 |
| Temporary Seeding | | AC | @ | \$ | \$485 | = | \$ |
| Temporary Mulch | | AC | @ | \$ | \$507 | = | \$ |
| Erosion Bales | | EA | @ | \$ | \$21 | = | \$ |
| Erosion Logs | 80.00 | LF | @ | \$ | \$6 | = | \$ 480.00 |
| Rock Ditch Checks | | EA | @ | \$ | | = | \$ |
| Inlet Protection | 3.00 | EA | @ | \$ | \$153 | = | \$ 459.00 |
| Sediment Basin | | EA | @ | \$ | \$1,625 | = | \$ |
| Concrete Washout Basin | 1.00 | EA | @ | \$ | \$776 | = | \$ 776.00 |
| | | | @ | \$ | | = | \$ |
| pecified items subject to defect warranty financial assurance | | | | | | | |
| | | | | Sect | ion 1 Subtotal | = | \$ 11,460.00 |

| Section 2 - Public Improvements** | Quantity | Units | | Price | | |
|---------------------------------------|----------|-------|---|-----------------|---|----|
| - Roadway Improvements | | | | | | |
| Construction Traffic Control | | LS | @ | \$ | = | \$ |
| Aggregate Base Course | | Tons | @ | \$ \$18 | = | \$ |
| Asphalt Pavement | | 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 | @ | \$ | | \$ |
| 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) | | 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 | 3 = | \$ |
|--|----------|---|--------------------------|------------|----------|
| Curb Chase | EA | @ | \$ \$1,300 |) = | \$ |
| Guardrail Type 3 (W-Beam) | LF | @ | \$\$18 | 3 = | \$ |
| Guardrail Type 7 (Concrete) | LF | @ | \$\$67 | / = | \$ |
| Guardrail End Anchorage | EA | @ | \$ \$1,978 | 3 = | \$ |
| 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 | @ | \$ \$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 | 3 = | \$ |
| 24" Corrugated Steel Pipe | LF | @ | \$ \$96 | - | \$ |
| 30" Corrugated Steel Pipe | LF | @ | \$ \$101 | _ | \$ |
| 36" Corrugated Steel Pipe | LF | @ | \$ \$136 | _ | \$ |
| 42" Corrugated Steel Pipe | LF | @ | \$ \$147 | - | \$ |
| 18" Corrugated Steel Pipe | LF | @ | \$ \$169 | _ | \$ |
| 54" Corrugated Steel Pipe | LF | @ | \$ \$193 | - | \$ |
| 60" Corrugated Steel Pipe | LF | @ | \$ \$227 | _ | \$ |
| 56" Corrugated Steel Pipe | LF | @ | \$ \$278 | - | \$ |
| 72" Corrugated Steel Pipe | LF | @ | \$ \$330 | _ | \$ |
| 78" Corrugated Steel Pipe | LF | @ | \$ \$381 | - | \$ |
| 34" 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 | @ | <u>↓</u> \$\$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 = $3'$, $10'-13'$ Depth Curb Inlet (Type R) L = $10'$, Depth < 5 feet | EA | @ | \$\$5,528 \$ | _ | \$ |
| Curb Inlet (Type R) L =10', 5'-10' Depth | EA | @ | \$\$,520 \$\$6,694 | - | \$ |
| Curb Inlet (Type R) L =10', 5-10' Deptn | EA EA | @ | \$\$6,692 \$\$7,500 | _ | \$ |
| Curb Inlet (Type R) L =10', 10-15 Depth Curb Inlet (Type R) L =15', Depth < 5 feet | EA EA | @ | \$ \$7,500 \$ \$7,923 | _ | \$ |
| | EA EA | @ | | _ | \$ |
| Curb Inlet (Type R) L =15', 5'-10' Depth | | @ | • | - | \$ |
| Curb Inlet (Type R) L =15' , 10'-15' Depth | EA | @ | | _ | |
| 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 | @ | \$ | = | D |

| **all items this section subject to defect warranty financial assurance. + For flared end sections, multiply pipe LF cost by 6 | | | • | ion 2 Subtota | | \$ ** |
|--|----|---|----|---------------|---|----------|
| Permanent Water Quality Facility (Describe) | EA | @ | \$ | | = | \$ _ |
| Detention Emergency Spillway | EA | @ | \$ | | = | \$ _ |
| Detention Outlet Structure | EA | @ | \$ | | = | \$ _ |
| Channel Lining, Other Stabilization | SY | @ | \$ | \$3 | = | \$ |
| Channel Lining, Grass | AC | @ | \$ | \$1,287 | = | \$ |
| Channel Lining, Rip Rap | CY | @ | \$ | \$98 | = | \$ |
| Channel Lining, Concrete | CY | @ | \$ | \$450 | = | \$ |
| Drainage Channel Construction, Size (W x H) | LF | @ | \$ | | = | \$ |
| Rip Rap, Grouted | CY | @ | \$ | \$215 | = | \$ |
| Rip Rap, d50 Size from 6" to 24" | CY | @ | \$ | \$98 | = | \$ |
| Geotextile (Erosion Control) | SY | @ | \$ | \$5 | = | \$ |
| Storm Sewer Manhole, Slab Base, Depth < 15 feet | EA | @ | \$ | \$4,575 | = | \$ |
| Storm Sewer Manhole, Box Base, Depth < 15 feet | EA | @ | \$ | \$8,592 | = | \$ |
| Grated Inlet (Type D), < 5' deep | EA | @ | \$ | \$3,908 | = | \$ _ |
| Grated Inlet (Type C), < 5' deep | EA | @ | \$ | \$3,270 | = | \$ |

| Section 3 - Common Development Improvements (Private or District)*** | Quantity | Units | | | Price | | |
|---|-------------|-------|---|----|---------------|---|-----------------|
| - 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 | @ | \$ | \$38 | = | \$ |
| | - <u></u> . | | @ | \$ | | = | \$ |
| | | | @ | \$ | | = | \$ |
| - Storm Drain Improvements | | | | | | | |
| (Include any applicable items from above Public | | | @ | \$ | | = | \$ |
| Improvements list, that are to be private and NOT | | | @ | \$ | | = | \$ |
| maintained by El Paso County) | | | @ | \$ | | = | \$ |
| 4" PVC | 109.00 | lf | @ | \$ | 21 | = | \$ 2,289.00 |
| 6" PVC | 172.00 | lf | @ | \$ | 30 | = | \$ 5,160.00 |
| 8" PVC | 29.00 | lf | @ | \$ | 38 | = | \$ 1,102.00 |
| Type R 5' Inlet, 5-10' depth | 1.00 | ea | @ | \$ | 5,044 | = | \$ 5,044.00 |
| 5' Storm Manhole | 1.00 | ea | @ | \$ | 1 | = | \$ 1.00 |
| - 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, inc. tap & valves | 1.00 | EA | @ | \$ | \$1,253 | = | \$ 1,253.00 |
| 1" Water Service Line Type K Copper | 247.00 | LF | @ | \$ | \$25 | = | \$ 6,175.00 |
| 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 | = | \$ |
| 4" PVC SDR 35 Sanitary Service Line Installation | 218.00 | LF | @ | \$ | 35 | = | \$ 7,630.00 |
| Sanitary Sewer Lift Station, complete | | EA | @ | \$ | | = | \$ |
| - Landscaping (If Applicable) | | | | | | | |
| (List landscaping line items and cost - usually only in case | | EA | @ | \$ | | = | \$ |
| of subdivision specific condition of approval, or PUD) | | EA | @ | \$ | | = | \$ |
| | | EA | @ | \$ | | = | \$ |
| | | EA | @ | \$ | | = | \$ |
| | | EA | @ | \$ | | = | \$ |
| ***items in this section are not subject to defect warranty | | | | | | | |
| financial assurance | | | | 0 | on 3 Subtotal | | \$ 28,654.00 |

| Financial Assurance Totals | | | | | | | | | |
|--|--|---|----|-----------|--|--|--|--|--|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLIC | LY-MAINTAINED IMPROVEMENTS) | | \$ | | | | | | |
| (Inc. survey to verify detention pond volumes.) | Construction Financial Assurance Total | = | \$ | 40,114.00 | | | | | |
| | (Sum of all Section Totals) | | | | | | | | |
| | | | | | | | | | |
| | Public Improvements Total* ** | | \$ | 5,700.00 | | | | | |
| | Defect Warranty Financial Assurance Total | = | \$ | 1,140.00 | | | | | |
| (20%of Section 2 Subtotal | and 20% of identified Grading and Erosion BMP items) | | | | | | | | |
| | | | | | | | | | |

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.

| Sean McIntosh, CO PE 50038 | 3 | | 11/13/17 |
|--|--------------|------|----------|
| Engineer | | Date | |
| | (P.E. Seal) | | |
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| Approved by Owner / Applicant | | Date | |
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| Approved by El Paso Couny Engineer / ECM A | dministrator | Date | |
| | | | |