

To be reviewed in detail with complete CDs.

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

11/14/18

| | |
|----------------------------|-----------------|
| Project Information | |
| MONUMENT ACADEMY | 2/8/2019 |
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | Price | | % Complete | Remaining |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|----------|------|---------------|-----------------|
| Earthwork* | 92,750.00 | CY @ | \$ 5 | = \$ | 463,750.00 | \$ 463,750.00 * |
| Permanent Seeding* (inc. noxious weed mgmnt.) | 20.00 | AC @ | \$ 582 | = \$ | 11,640.00 | \$ 11,640.00 * |
| Mulching* | 20.00 | AC @ | \$ 507 | = \$ | 10,140.00 | \$ 10,140.00 * |
| Permanent Erosion Control Blanket* | 2,800.00 | SY @ | \$ 6 | = \$ | 16,800.00 | \$ 16,800.00 * |
| 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 | 2,000.00 | LF @ | \$ 4 | = \$ | 8,000.00 | \$ 8,000.00 |
| Temporary Seeding | | AC @ | \$ 485 | = \$ | | \$ - |
| Temporary Mulch | | AC @ | \$ 507 | = \$ | | \$ - |
| Erosion Bales | | EA @ | \$ 21 | = \$ | | \$ - |
| Erosion Logs | | LF @ | \$ 6 | = \$ | | \$ - |
| Rock Ditch Checks | | EA @ | \$ | = \$ | | \$ - |
| Inlet Protection | 6.00 | EA @ | \$ 153 | = \$ | 918.00 | \$ 918.00 |
| Sediment Basin | 2.00 | EA @ | \$ 1,625 | = \$ | 3,250.00 | \$ 3,250.00 |
| 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 final acceptance process. | | | | | | |
| Section 1 Subtotal | | | | | \$ 516,899.00 | \$ 516,899.00 |

| 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 | 4,800.00 | Tons @ | \$ 18 | = \$ | 86,400.00 | \$ 86,400.00 * |
| Asphalt Pavement | 3,120.00 | Tons @ | \$ 65 | = \$ | 202,800.00 | \$ 202,800.00 * |
| Raised Median, Paved | | SF @ | \$ 7 | = \$ | | \$ - * |
| Electrical Conduit, Size = | | LF @ | \$ 14 | = \$ | | \$ - * |
| Traffic Signal, complete intersection | | EA @ | \$ 250,000 | = \$ | | \$ - * |
| Regulatory Sign | 4.00 | EA @ | \$ 100 | = \$ | 400.00 | \$ 400.00 * |
| Advisory Sign | 2.00 | EA @ | \$ 100 | = \$ | 200.00 | \$ 200.00 * |
| Guide/Street Name Sign | 4.00 | EA @ | \$ 100 | = \$ | 400.00 | \$ 400.00 * |
| Epoxy Pavement Marking | | SF @ | \$ 12 | = \$ | | \$ - * |
| Thermoplastic Pavement Marking | | SF @ | \$ 22 | = \$ | | \$ - * |
| Barricade - Type 3 | 1.00 | EA @ | \$ 115 | = \$ | 115.00 | \$ 115.00 * |
| 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 | = \$ | | \$ - * |
| Concrete Sidewalk, 4" | | SY @ | \$ 38 | = \$ | | \$ - * |
| Concrete Sidewalk, 5" | | SY @ | \$ 48 | = \$ | | \$ - * |
| Concrete Sidewalk, 6" | | SY @ | \$ 57 | = \$ | | \$ - * |
| 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) Size | | LF | @ | \$ | = | \$ | | \$ - | * |
| 18" Reinforced Concrete Pipe | 564.00 | LF | @ | \$ 69 | = | \$ 38,916.00 | | \$ 38,916.00 | * |
| 24" Reinforced Concrete Pipe | | LF | @ | \$ 84 | = | \$ | | \$ - | * |
| 30" Reinforced Concrete Pipe | 116.00 | LF | @ | \$ 94 | = | \$ 10,904.00 | | \$ 10,904.00 | * |
| 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 | @ | \$ | = | \$ | | \$ - | * |
| 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 | 1.00 | EA | @ | \$ 3,270 | = | \$ 3,270.00 | | \$ 3,270.00 | * |
| Grated Inlet (Type D), < 5' deep | 1.00 | EA | @ | \$ 3,908 | = | \$ 3,908.00 | | \$ 3,908.00 | * |
| 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" | 10.00 | CY | @ | \$ 98 | = | \$ 980.00 | | \$ 980.00 | * |
| 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 | @ | \$ | | = | \$ | | \$ | - | * | |
| <p>* 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</p> | | | | | | | | | | | | |
| Section 2 Subtotal | | | | | | | | | | | | |
| | | | | | | | = | 353,293.00 | | | 353,293.00 | ** |
| | | | | | | | | \$ | | | | |

Provide per FDR comments.

trails?

| 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, 4" thick | | SY | \$ 38 | = | \$ | \$ - |
| | | @ | \$ | = | \$ | \$ - |
| | | @ | \$ | = | \$ | \$ - |
| - Storm Drain Improvements | | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | @ | \$ | = | \$ | \$ - |
| | | @ | \$ | = | \$ | \$ - |
| | | @ | \$ | = | \$ | \$ - |
| 18" Reinforced Concrete Pipe | 911.00 | LF | \$ 69 | = | \$ 62,859.00 | \$ 62,859.00 * |
| 24" Reinforced Concrete Pipe | 891.00 | LF | \$ 84 | = | \$ 74,844.00 | \$ 74,844.00 * |
| 30" Reinforced Concrete Pipe | | LF | \$ 94 | = | \$ | \$ - * |
| Curb Inlet (Type R) L=5', Depth < 5 feet | 1.00 | EA | \$ 3,791 | = | \$ 3,791.00 | \$ 3,791.00 * |
| Curb Inlet (Type R) L =10', Depth < 5 feet | 2.00 | EA | \$ 5,528 | = | \$ 11,056.00 | \$ 11,056.00 * |
| Grated Inlet (Type C), < 5' deep | 1.00 | EA | \$ 3,270 | = | \$ 3,270.00 | \$ 3,270.00 * |
| Rip Rap, d50 Size from 6" to 24" | 10.00 | CY | \$ 98 | = | \$ 980.00 | \$ 980.00 * |
| Channel Lining, Rip Rap | 65.00 | CY | \$ 98 | = | \$ 6,370.00 | \$ 6,370.00 * |
| Detention Outlet Structure | 2.00 | EA | \$ 8,000 | = | \$ 16,000.00 | \$ 16,000.00 * |
| Detention Emergency Spillway | 2.00 | EA | \$ 3,000 | = | \$ 6,000.00 | \$ 6,000.00 * |
| - 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, 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 | = \$ 185,170.00 | 185,170.00 |

Financial Assurance Totals

| | |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) | \$ |
| (Inc. survey to verify detention pond volumes.) | Total Construction Financial Assurance <u><u>\$1,055,362.00</u></u> |
| | (Sum of all section subtotals) |
| | |
| | Total Remaining Construction Financial Assurance <u><u>1,055,362.00</u></u> |
| | (Sum of all section totals less credit for items complete) |
| | |
| | Total Defect Warranty Financial Assurance <u><u>\$171,124.60</u></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) | |

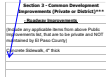
| | |
|-------------------------------|------|
| Approved by Owner / Applicant | Date |
|-------------------------------|------|

| | |
|---------------------------------------------------------|------|
| Approved by El Paso County Engineer / ECM Administrator | Date |
|---------------------------------------------------------|------|

Markup Summary

dsdrice (3)

trails?



Subject: Callout
Page Label: 4
Author: dsdrice
Date: 4/8/2019 12:08:30 AM
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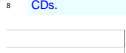
trails?



Subject: Cloud+
Page Label: 3
Author: dsdrice
Date: 4/8/2019 12:09:19 AM
Color: ■

Provide per FDR comments.

To be reviewed in detail with complete CDs.



Subject: Text Box
Page Label: 1
Author: dsdrice
Date: 4/8/2019 12:10:01 AM
Color: ■

To be reviewed in detail with complete CDs.