

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

8/6/2015

| | |
|-----------------------------------|------------------|
| Project Information | |
| North Bay at Lake Woodmoor | 12/1/2017 |
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | Price | % Complete | Remaining |
|--|----------|--------|------------|--------------|----------------|
| Earthwork* (21,350 @ 20%) | 4,270.00 | CY | @ \$ 5 | \$ 21,350.00 | \$ 21,350.00 * |
| Permanent Seeding* (inc. noxious weed mgmnt.) | 0.87 | AC | @ \$ 582 | \$ 506.34 | \$ 506.34 * |
| Mulching* | 0.87 | AC | @ \$ 507 | \$ 441.09 | \$ 441.09 * |
| Permanent Erosion Control Blanket* | 2,110.00 | SY | @ \$ 6 | \$ 12,660.00 | \$ 12,660.00 * |
| 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 | 2.86 | AC | @ \$ 485 | \$ 1,387.10 | \$ 1,387.10 |
| Temporary Mulch | 2.86 | AC | @ \$ 507 | \$ 1,450.02 | \$ 1,450.02 |
| Erosion Bales | | EA | @ \$ 21 | \$ - | \$ - |
| Erosion Logs | 1,450.00 | LF | @ \$ 6 | \$ 8,700.00 | \$ 8,700.00 |
| Rock Ditch Checks | | EA | @ \$ - | \$ - | \$ - |
| Inlet Protection | 8.00 | EA | @ \$ 153 | \$ 1,224.00 | \$ 1,224.00 |
| Sediment Basin | 2.00 | EA | @ \$ 1,625 | \$ 3,250.00 | \$ 3,250.00 |
| Concrete Washout Basin | 2.00 | EA | @ \$ 776 | \$ 1,552.00 | \$ 1,552.00 |
| | | @ \$ - | \$ - | \$ - | \$ - |
| * 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 | | | | \$ 55,770.55 | \$ 55,770.55 |

| Section 2 - Public Improvements** | Quantity | Units | Price | % Complete | Remaining |
|---------------------------------------|----------|-------|--------------|------------|-------------|
| - 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 | 3.00 | EA | @ \$ 100 | \$ 300.00 | \$ 300.00 * |
| Advisory Sign | | EA | @ \$ 100 | \$ - | \$ - * |
| Guide/Street Name Sign | 3.00 | EA | @ \$ 100 | \$ 300.00 | \$ 300.00 * |
| 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 | = | \$ | \$ | - | * |
| 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 | | 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 | @ | \$ | | = | \$ | \$ | - | * |
| 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 | = | \$ | \$ | - | * |
| 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 | | | | | | | |
| Section 2 Subtotal | | | | | \$ | 600.00 | 600.00 ** |

| 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 | 1,522.50 | SY | @ | \$ 38 | = | \$ 57,855.00 | \$ 57,855.00 |
| Pedestrian Ramp | 30.60 | SY | @ | \$ 108 | = | \$ 3,304.80 | \$ 3,304.80 |
| Aggregate Base Course | 1,102.41 | Tons | @ | \$ 18 | = | \$ 19,843.34 | \$ 19,843.34 |
| Asphalt Pavement | 551.20 | Tons | @ | \$ 65 | = | \$ 35,828.25 | \$ 35,828.25 |
| Curb and Gutter, Type C (Ramp) | 2,105.00 | LF | @ | \$ 21 | = | \$ 44,205.00 | \$ 44,205.00 |
| Cross Pan | 19.20 | SY | @ | \$ 53 | = | \$ 1,017.60 | \$ 1,017.60 |
| | | | @ | \$ | = | \$ | \$ - |
| - Storm Drain Improvements | | | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| 24" Corrugated Metal Pipe (CMP) 45° Bend | 1.00 | EA | @ | \$ 800 | = | \$ 800.00 | \$ 800.00 |
| 18" Reinforced Concrete Pipe (RCP) Prefab. Bend | 2.00 | EA | @ | \$ 1,000 | = | \$ 2,000.00 | \$ 2,000.00 |
| 18" Reinforced Concrete Pipe | 581.00 | LF | @ | \$ 71 | = | \$ 41,251.00 | \$ 41,251.00 |
| 14"x23" Horiz. Elliptical Reinforced Concrete Pipe | 11.00 | LF | @ | \$ 79 | = | \$ 869.00 | \$ 869.00 |
| 36" Reinforced Concrete Pipe | 283.00 | LF | @ | \$ 124 | = | \$ 35,092.00 | \$ 35,092.00 |
| 29"x45" Horiz. Elliptical Reinforced Concrete Pipe | 216.00 | LF | @ | \$ 134 | = | \$ 28,944.00 | \$ 28,944.00 |
| Flared End Section (FES) RCP † 18" | 4.00 | EA | @ | \$ 800 | = | \$ 3,200.00 | \$ 3,200.00 |
| Curb Inlet (Type R) L =10', Depth < 5 feet | 1.00 | EA | @ | \$ 5,528 | = | \$ 5,528.00 | \$ 5,528.00 |
| Curb Inlet (Type R) L =10' , 5'-10' Depth | 1.00 | EA | @ | \$ 6,694 | = | \$ 6,694.00 | \$ 6,694.00 |
| Curb Inlet (Type R) L =15' , Depth < 5 feet | 1.00 | EA | @ | \$ 7,923 | = | \$ 7,923.00 | \$ 7,923.00 |
| Grated Inlet (Type D), Depth < 5 feet | 2.00 | EA | @ | \$ 3,908 | = | \$ 7,816.00 | \$ 7,816.00 |
| Grated Inlet (Type D), 10'-15' Depth | 1.00 | EA | @ | \$ 5,200 | = | \$ 5,200.00 | \$ 5,200.00 |
| 4' Dia. Storm Sewer Manhole, Slab Base, Depth < 5 feet | 1.00 | EA | @ | \$ 4,000 | = | \$ 4,000.00 | \$ 4,000.00 |
| 4' Dia. Storm Sewer Manhole, Slab Base, 5'-10' Depth | 3.00 | EA | @ | \$ 4,600 | = | \$ 13,800.00 | \$ 13,800.00 |
| 5' Dia. Storm Sewer Manhole, Slab Base, 10'-15' Depth | 1.00 | EA | @ | \$ 5,600 | = | \$ 5,600.00 | \$ 5,600.00 |
| 5' Dia. Storm Sewer Manhole, Slab Base, 15'-20' Depth | 2.00 | EA | @ | \$ 6,600 | = | \$ 13,200.00 | \$ 13,200.00 |
| Riprap, d50 9" and 12" | 786.00 | CY | @ | \$ 98 | = | \$ 77,028.00 | \$ 77,028.00 |
| Riprap, d50 18" | 140.00 | CY | @ | \$ 120 | = | \$ 16,800.00 | \$ 16,800.00 |
| Concrete Cutoff Wall (18" RCP pipe outfall) | 4.00 | EA | @ | \$ 800 | = | \$ 3,200.00 | \$ 3,200.00 |
| Concrete Collar (24" CMP) | 1.00 | EA | @ | \$ 500 | = | \$ 500.00 | \$ 500.00 |
| Triple (3) 12' W x 4' H RCB Crossing | 1.00 | LS | @ | \$ 140,000 | = | \$ 140,000.00 | \$ 140,000.00 |
| Check Structures (LFDW Creek) | 3.00 | EA | @ | \$ 11,000 | = | \$ 33,000.00 | \$ 33,000.00 |
| Water Quality Basin Outlet Structure | 2.00 | EA | @ | \$ 5,000 | = | \$ 10,000.00 | \$ 10,000.00 |
| Stormceptor | 1.00 | EA | @ | \$ 14,000 | = | \$ 14,000.00 | \$ 14,000.00 |
| Sand Filter Basin w/ Underdrain System | 2.00 | EA | @ | \$ 7,000 | = | \$ 14,000.00 | \$ 14,000.00 |
| Gravel Maintenance Access Trail | 445.00 | SY | @ | \$ 20 | = | \$ 8,900.00 | \$ 8,900.00 |
| | | | @ | \$ | = | \$ | \$ - |

| - Water System Improvements | | | | | | | |
|---|----------|----|---|---------------------------|---|---------------|--------------|
| Water Main Pipe (PVC), Size 6" | 1,365.90 | LF | @ | \$ \$72 | = | \$ 98,344.80 | \$ 98,344.80 |
| Water Main Pipe (Ductile Iron), Size 6" | | LF | @ | \$ \$128 | = | \$ | \$ - |
| Gate Valves, 6" | 10.00 | EA | @ | \$ \$1,852 | = | \$ 18,520.00 | \$ 18,520.00 |
| Fire Hydrant Assembly w/ all valves | 3.00 | EA | @ | \$ \$6,430 | = | \$ 19,290.00 | \$ 19,290.00 |
| Water Service Line Installation, including tap and valves | 28.00 | EA | @ | \$ 1,253 | = | \$ 35,084.00 | \$ 35,084.00 |
| Fire Cistern Installation, complete | | EA | @ | \$ | = | \$ | \$ - |
| - Sanitary Sewer Improvements | | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | 638.42 | LF | @ | \$ \$94 | = | \$ 60,011.48 | \$ 60,011.48 |
| Sanitary Sewer Manhole, Depth < 15 feet | 6.00 | EA | @ | \$ \$4,575 | = | \$ 27,450.00 | \$ 27,450.00 |
| Sanitary Service Line Installation, complete | 28.00 | EA | @ | \$ 1,516 | = | \$ 42,448.00 | \$ 42,448.00 |
| 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 | @ | \$ | = | \$ | \$ - |
| ***items in this section are not subject to defect warranty financial assurance | | | | | | | |
| | | | | Section 3 Subtotal | | \$ 962,547.27 | 962,547.27 |

Financial Assurance Totals

| | | |
|---|---|----------------------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) | \$ | <u>\$5,000</u> |
| (Inc. survey to verify detention pond volumes.) | Total Construction Financial Assurance | \$1,023,917.82 |
| | (Sum of all section subtotals) | |
| | Total Remaining Construction Financial Assurance | <u>1,023,917.82</u> |
| | (Sum of all section totals less credit for items complete) | |
| | Total Defect Warranty Financial Assurance | <u>\$7,111.49</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 |
|---|------|