round off or show decimals

# 2022 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 11/4/2021

| PROJECT INFORMATION | | | |
|---|---|---|---|
| Saddlehorn Ranch Filing 2 Improvements | 8/1/2022 | | SF-21-033 |
| Project Name | Date | | PCD File No. |

| Description | Quantity | Units | Unit Cost | | Total | (with Pre-Plat Construction) % Complete | (with Pre-Plat Construction) Remaining | |
|---|---|---|---|---|---|---|---|---|
| **SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)** | | | | | | | | |
| * Earthwork | | | | | | | | * |
| less than 1,000; $5,300 min | | CY | $ 8.00 | = | $ - | | $ - | * |
| 1,000-5,000; $8,000 min | | CY | $ 6.00 | = | $ - | | $ - | * |
| 5,001-20,000; $30,000 min | | CY | $ 5.00 | = | $ - | | $ - | * |
| 20,001-50,000; $100,000 min | | CY | $ 3.50 | = | $ - | | $ - | * |
| 50,001-200,000; $175,000 min | 50,633 | CY | $ 2.50 | = | $ 175,000.00 | | $ 175,000.00 | * |
| greater than 200,000; $500,000 min | | CY | $ 2.00 | = | $ - | | $ - | * |
| * Permanent Seeding (inc. noxious weed mgmnt.) | 6.36 6 | AC | $ 886.00 | = | $ 5,634.96 | | $ 5,634.96 | * |
| * Mulching | 6 | AC | $ 831.00 | = | $ 4,986.00 | | $ 4,986.00 | * |
| * Permanent Erosion Control Blanket | 0 | SY | $ 7.00 | = | $ - | | $ - | * |
| * Permanent Pond/BMP Construction | See Below | CY | $ 22.00 | = | | | $ - | * |
| * Permanent Pond/BMP (provide engineer's estimate) | | EA | | = | $ - | | $ - | * |
| *30" RCP | 44 | LF | $ 100.00 | = | $ 4,400.00 | | $ 4,400.00 | |
| *Detention Outlet Structure | 1 | EA | $ 5,000.00 | = | $ 5,000.00 | | $ 5,000.00 | |
| *Concrete/Riprap Forebay | 1 | EA | $ 3,000.00 | = | $ 3,000.00 | | $ 3,000.00 | |
| *Concrete Trickle Channel | 330 | CY | $ 95.00 | = | $ 31,350.00 | | $ 31,350.00 | |
| *Detention Emergency Spillway | 1 | EA | $ 4,000.00 | | $ 4,000.00 | | $ 4,000.00 | |
| *Drainageway riprap, d50 size from 6" to 24" | 694 | Tons | $ 83.00 | | $ 57,602.00 | | $ 57,602.00 | |
| *30" - Flared End Section (FES) | 1 | EA | $ 600.00 | = | $ 600.00 | | $ 600.00 | |
| *Permanent WQ Feature (EDB) | 1 | EA | $ 5,000.00 | | $ 5,000.00 | | $ 5,000.00 | |
| *Gravel Maintenance Access Road | 1,046 | SY | $ 45.00 | | $ 47,070.00 | | $ 47,070.00 | |
| | | EA | | = | $ - | | $ - | * |
| Safety Fence | 8,102 | LF | $ 3.00 | = | $ 24,306.00 | | $ 24,306.00 | |
| Temporary Erosion Control Blanket | 3,642 | SY | $ 3.00 | = | $ 10,926.00 | | $ 10,926.00 | |
| Vehicle Tracking Control | 2 | EA | $ 2,625.00 | = | $ 5,250.00 | | $ 5,250.00 | |
| Construction Fence | | LF | $ 3.00 | | $ - | | $ - | |
| Silt Fence | 11,010 | LF | $ 3.00 | = | $ 33,030.00 | | $ 33,030.00 | |
| Temporary Seeding | 13 | AC | $ 695.00 | = | $ 9,035.00 | | $ 9,035.00 | |
| Temporary Mulch | 13 | AC | $ 831.00 | = | $ 10,803.00 | | $ 10,803.00 | |
| Erosion Bales | 0 | EA | $ 28.00 | = | $ - | | $ - | |
| Erosion Logs/Straw Waddle | 0 | LF | $ 6.00 | = | $ - | | $ - | |
| Rock Check Dams | 38 | EA | $ 554.00 | = | $ 21,052.00 | | $ 21,052.00 | |
| Temporary Slope Drain | | LF | $ 30.00 | | $ - | | $ - | |
| Inlet/outlet Protection | 17 | EA | $ 185.00 | = | $ 3,145.00 | | $ 3,145.00 | |
| Sediment Basin | 3 | EA | $ 1,952.00 | = | $ 5,856.00 | | $ 5,856.00 | |
| Diversion Ditch | | LF | $ 2.00 | | $ - | | $ - | |
| Stabalized Staging Area | 5,000 | SY | $ 3.00 | | $ 15,000.00 | | $ 15,000.00 | |
| Concrete Washout Basin | 1 | EA | $ 997.00 | = | $ 997.00 | | $ 997.00 | |
| | | | | = | $ - | | $ - | |
| *[insert items not listed but part of construction plans]* | | | | = | $ - | | $ - | |
| | **MAINTENANCE (35% of Construction BMPs)** | | | = | $ 40,282.90 | | $ 40,282.90 | |
| * - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED) | | | **Section 1 Subtotal** | **=** | **$ 523,325.86** | | **$ 523,325.86** | |
| **SECTION 2 - PUBLIC IMPROVEMENTS *** | | | | | | | | |
| **ROADWAY IMPROVEMENTS** | | | | | | | | * |
| Construction Traffic Control | 1 | LS | $ 50,000.00 | = | $ 50,000.00 | | $ 50,000.00 | * |
| Removal of Asphalt (Full Depth) | 210 | SY | $ 10.00 | | $ 2,100.00 | | $ 2,100.00 | * |
| Removal of Asphalt (Planing-4") | 837 | SY | $ 5.00 | | $ 4,185.00 | | $ 4,185.00 | * |
| Removal of Striping | 7,534 | LF | $ 1.00 | | $ 7,534.00 | | $ 7,534.00 | * |
| Removal of Fencing | 1,096 | LF | $ 5.00 | | $ 5,480.00 | | $ 5,480.00 | * |
| Aggregate Base Course (135 lbs/cf) | 5,080 | Tons | $ 31.00 | = | $ 157,480.00 | | $ 157,480.00 | * |
| Aggregate Base Course (135 lbs/cf) (8" thick) | | CY | $ 56.00 | | $ - | | $ - | * |
| Asphalt Pavement (3" thick) | | SY | $ 16.00 | | $ - | | $ - | * |
| Asphalt Pavement (4" thick) | | SY | $ 21.00 | | $ - | | $ - | * |
| Asphalt Pavement (6" thick) | | SY | $ 32.00 | | $ - | | $ - | * |
| Asphalt Pavement (147 lbs/cf) _" thick | 20,805 | Tons | $ 97.00 | = | $ 2,018,085.00 | | $ 2,018,085.00 | * |
| Raised Median, Paved | | SF | $ 9.00 | = | $ - | | $ - | * |
| Regulatory Sign/Advisory Sign | 7 | EA | $ 333.00 | = | $ 2,331.00 | | $ 2,331.00 | * |
| Guide/Street Name Sign | 13 | EA | $ 200.00 | = | $ 2,600.00 | | $ 2,600.00 | * |
| Epoxy Pavement Marking | 4,122 | SF | $ 15.00 | = | $ 61,830.00 | | $ 61,830.00 | * |
| Thermoplastic Pavement Marking | 87 | SF | $ 26.00 | = | $ 2,262.00 | | $ 2,262.00 | * |
| Barricade - Type 3 | 8 | EA | $ 221.00 | = | $ 1,768.00 | | $ 1,768.00 | * |
| Delineator - Type I | | EA | $ 27.00 | = | $ - | | $ - | * |
| Curb and Gutter, Type A (6" Vertical) | | LF | $ 32.00 | = | $ - | | $ - | * |
| Curb and Gutter, Type B (Median) | | LF | $ 32.00 | = | $ - | | $ - | * |
| Curb and Gutter, Type C (Ramp) | | LF | $ 32.00 | = | $ - | | $ - | * |
| 4" Sidewalk (common areas only) | | SY | $ 53.00 | = | $ - | | $ - | * |
| 5" Sidewalk | | SY | $ 66.00 | = | $ - | | $ - | * |
| 6" Sidewalk | | SY | $ 80.00 | = | $ - | | $ - | * |

| PROJECT INFORMATION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Saddlehorn Ranch Filing 2 Improvements** | | | **8/1/2022** | | | | **SF-21-033** | |
| **Project Name** | | | **Date** | | | | **PCD File No.** | |
| **Description** | **Quantity** | **Units** | **Unit Cost** | | **Total** | | **(with Pre-Plat Construction) % Complete** | **Remaining** |
| 8" Sidewalk | | SY | $ 106.00 | | $ - | | | $ - * |
| Pedestrian Ramp | | EA | $ 1,273.00 | = | $ - | | | $ - * |
| Cross Pan, local (8" thick, 6' wide to include return) | | LF | $ 67.00 | = | $ - | | | $ - * |
| Cross Pan, collector (9" thick, 8' wide to include return) | | LF | $ 102.00 | | $ - | | | $ - * |
| Curb Chase | | EA | $ 1,639.00 | = | $ - | | | $ - * |
| Guardrail Type 3 (W-Beam) | | LF | $ 55.00 | = | $ - | | | $ - * |
| Guardrail Type 7 (Concrete) | | LF | $ 80.00 | = | $ - | | | $ - * |
| Guardrail End Anchorage | | EA | $ 2,324.00 | = | $ - | | | $ - * |
| Guardrail Impact Attenuator | | EA | $ 4,172.00 | = | $ - | | | $ - * |
| Sound Barrier Fence (CMU block, 6' high) | | LF | $ 87.00 | | $ - | | | $ - * |
| Sound Barrier Fence (panels, 6' high) | | LF | $ 89.00 | = | $ - | | | $ - * |
| Electrical Conduit, Size = | | LF | $ 18.00 | = | $ - | | | $ - * |
| Traffic Signal, complete intersection | | EA | $ 470,666 | = | $ - | | | $ - * |
| | | | | = | $ - | | | $ - |
| *[insert items not listed but part of construction plans]* | | | | = | $ - | | | $ - * |
| **STORM DRAIN IMPROVEMENTS** | | | | | | | | * |
| Concrete Box Culvert (M Standard), Size ( W x H ) | | LF | | = | $ - | | | $ - * |
| 18" Reinforced Concrete Pipe | 223 | LF | $ 70.00 | = | $ 15,610.00 | | | $ 15,610.00 * |
| 24" Reinforced Concrete Pipe | 62 | LF | $ 83.00 | = | $ 5,146.00 | | | $ 5,146.00 * |
| 19" x 30" Horizontal Elliptical Reinforced Concrete Pipe | 68 | LF | $ 100.00 | = | $ 6,800.00 | | | $ 6,800.00 |
| 30" Reinforced Concrete Pipe | 63 | LF | $ 104.00 | = | $ 6,552.00 | | | $ 6,552.00 * |
| 36" Reinforced Concrete Pipe | | LF | $ 128.00 | = | $ - | | | $ - * |
| 42" Reinforced Concrete Pipe | | LF | $ 171.00 | = | $ - | | | $ - * |
| 48" Reinforced Concrete Pipe | | LF | $ 209.00 | = | $ - | | | $ - * |
| 54" Reinforced Concrete Pipe | | LF | $ 272.00 | = | $ - | | | $ - * |
| 60" Reinforced Concrete Pipe | | LF | $ 319.00 | = | $ - | | | $ - * |
| 66" Reinforced Concrete Pipe | | LF | $ 368.00 | = | $ - | | | $ - * |
| 72" Reinforced Concrete Pipe | | LF | $ 421.00 | = | $ - | | | $ - * |
| 18" Corrugated Steel Pipe | | LF | $ 90.00 | = | $ - | | | $ - * |
| 24" Corrugated Steel Pipe | | LF | $ 103.00 | = | $ - | | | $ - * |
| 30" Corrugated Steel Pipe | 16 | LF | $ 131.00 | = | $ 2,096.00 | | | $ 2,096.00 * |
| 36" Corrugated Steel Pipe | | LF | $ 157.00 | = | $ - | | | $ - * |
| 42" Corrugated Steel Pipe | | LF | $ 180.00 | = | $ - | | | $ - * |
| 48" Corrugated Steel Pipe | | LF | $ 190.00 | = | $ - | | | $ - * |
| 54" Corrugated Steel Pipe | | LF | $ 278.00 | = | $ - | | | $ - * |
| 60" Corrugated Steel Pipe | | LF | $ 300.00 | = | $ - | | | $ - * |
| 66" Corrugated Steel Pipe | | LF | $ 364.00 | = | $ - | | | $ - * |
| 72" Corrugated Steel Pipe | | LF | $ 428.00 | = | $ - | | | $ - * |
| 78" Corrugated Steel Pipe | | LF | $ 492.00 | = | $ - | | | $ - * |
| 84" Corrugated Steel Pipe | | LF | $ 588.00 | = | $ - | | | $ - * |
| Flared End Section (FES) RCP Size = 18 (unit cost = 6x pipe unit cost) | 14 | EA | $ 420.00 | = | $ 5,880.00 | | | $ 5,880.00 * |
| Flared End Section (FES) RCP Size = 24 (unit cost = 6x pipe unit cost) | 4 | EA | $ 498.00 | = | $ 1,992.00 | | | $ 1,992.00 * |
| Flared End Section (FES) RCP Size = 19"x30" (unit cost = 6x pipe unit cost) | 2 | EA | $ 600.00 | = | $ 1,200.00 | | | $ 1,200.00 * |
| Flared End Section (FES) RCP Size = 30 (unit cost = 6x pipe unit cost) | 2 | EA | $ 624.00 | = | $ 1,248.00 | | | $ 1,248.00 * |
| Flared End Section (FES) CSP Size = 30 (unit cost = 6x pipe unit cost) | 1 | EA | $ 786.00 | = | $ 786.00 | | | $ 786.00 * |
| End Treatment- Headwall | | EA | | = | $ - | | | $ - * |
| End Treatment- Wingwall | | EA | | = | $ - | | | $ - * |
| End Treatment - Cutoff Wall | | EA | | = | $ - | | | $ - * |
| Curb Inlet (Type R) L=5', Depth < 5' | | EA | $ 6,138.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' | | EA | $ 7,981.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' | | EA | $ 9,242.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =10', Depth < 5' | | EA | $ 8,447.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' | | EA | $ 8,706.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' | | EA | $ 10,898.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =15', Depth < 5' | | EA | $ 10,984.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' | | EA | $ 11,775.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =15', 10' ≤ Depth < 15' | | EA | $ 12,876.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =20', Depth < 5' | | EA | $ 11,706.00 | = | $ - | | | $ - * |
| Curb Inlet (Type R) L =20', 5' ≤ Depth < 10' | | EA | $ 12,920.00 | = | $ - | | | $ - * |
| Grated Inlet (Type C), Depth < 5' | | EA | $ 5,138.00 | = | $ - | | | $ - * |
| Grated Inlet (Type D), Depth < 5' | | EA | $ 6,347.00 | = | $ - | | | $ - * |
| Storm Sewer Manhole, Box Base | | EA | $ 12,876.00 | = | $ - | | | $ - * |
| Storm Sewer Manhole, Slab Base | | EA | $ 7,082.00 | = | $ - | | | $ - * |
| Geotextile (Erosion Control) | | SY | $ 7.00 | = | $ - | | | $ - * |
| Rip Rap, d50 size from 6" to 24" | 476 | Tons | $ 89.00 | = | $ 42,364.00 | | | $ 42,364.00 * |
| Rip Rap, Grouted | | Tons | $ 105.00 | = | $ - | | | $ - * |
| Drainage Channel Construction, Size ( W x H ) | | LF | | = | $ - | | | $ - * |
| Drainage Channel Lining, Concrete | | CY | $ 631.00 | = | $ - | | | $ - * |
| Drainage Channel Lining, Rip Rap | | CY | $ 124.00 | = | $ - | | | $ - * |
| Drainage Channel Lining, Grass | | AC | $ 1,626.00 | = | $ - | | | $ - |
| Drainage Channel Lining, Other Stabilization | | | | = | $ - | | | $ - * |

| PROJECT INFORMATION | | | | | | | |
|---|---|---|---|---|---|---|---|
| Saddlehorn Ranch Filing 2 Improvements | | | 8/1/2022 | | | SF-21-033 | |
| Project Name | | | Date | | | PCD File No. | |
| | | | | | | (with Pre-Plat Construction) | |
| Description | Quantity | Units | Unit Cost | | Total | % Complete | Remaining |
| | | | | = | $ - | | $ - |
| *[insert items not listed but part of construction plans]* | | | | = | $ - | | $ - |
| * - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED) | | | **Section 2 Subtotal** | **=** | **$ 2,405,329.00** | | **$ 2,405,329.00** |

| PROJECT INFORMATION | | | | | | | |
|---|---|---|---|---|---|---|---|
| Saddlehorn Ranch Filing 2 Improvements | | 8/1/2022 | | | | SF-21-033 | |
| Project Name | | Date | | | | PCD File No. | |
| | | | | | | (with Pre-Plat Construction) | |
| Description | Quantity | Units | Unit Cost | | Total | % Complete | Remaining |
| **SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**** | | | | | | | |
| **ROADWAY IMPROVEMENTS** | | | | | | | |
| | | | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| **STORM DRAIN IMPROVEMENTS** (Exception: Permanent Pond/BMP shall be itemized under Section 1) | | | | | | | |
| 18" Reinforced Concrete Pipe | | LF | $ 70.00 | = | $ - | | $ - |
| 48" Reinforced Concrete Pipe | | LF | $ 209.00 | = | $ - | | $ - |
| 36" Reinforced Concrete Pipe | | LF | $ 128.00 | = | $ - | | $ - |
| Flared End Section (FES) RCP Size = 18" (unit cost = 6x pipe unit cost) | | EA | $ 402.00 | = | $ - | | $ - |
| Flared End Section (FES) RCP Size = 36" (unit cost = 6x pipe unit cost) | | EA | $ 744.00 | | $ - | | $ - |
| Drainage Channel Lining, Rip Rap 6" depth | | CY | $ 124.00 | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| **WATER SYSTEM IMPROVEMENTS** | | | | | | | |
| Water Main Pipe (PVC), Size 8" | 6,800 | LF | $ 71.00 | = | $ 482,800.00 | | $ 482,800.00 |
| Water Main Pipe (PVC), Size 12" | 1,696 | LF | $ 100.00 | = | $ 169,600.00 | | $ 169,600.00 |
| Water Main Pipe (Ductile Iron), Size 8" | | LF | $ 83.00 | = | $ - | | $ - |
| Gate Valves, 8" | 22 | EA | $ 2,058.00 | = | $ 45,276.00 | | $ 45,276.00 |
| Gate Valves, 12" | 6 | EA | $ 2,058.00 | = | $ 12,348.00 | | $ 12,348.00 |
| Fire Hydrant Assembly, w/ all valves (3 valves/FH | 18 | EA | $ 7,306.00 | = | $ 131,508.00 | | $ 131,508.00 |
| Water Service Line Installation, inc. tap and valves | 42 | EA | $ 1,466.00 | = | $ 61,572.00 | | $ 61,572.00 |
| Fire Cistern Installation, complete | | EA | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| *[insert items not listed but part of construction plans]* | | | | = | $ - | | $ - |
| **SANITARY SEWER IMPROVEMENTS** | | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | | LF | $ 71.00 | = | $ - | | $ - |
| Sanitary Sewer Manhole, Depth < 15 feet | | EA | $ 4,858.00 | = | $ - | | $ - |
| Sanitary Service Line Installation, complete | | EA | $ 1,553.00 | = | $ - | | $ - |
| Sanitary Sewer Lift Station, complete | | EA | | = | $ - | | $ - |
| | | | | = | $ - | | $ - |
| *[insert items not listed but part of construction plans]* | | | | = | $ - | | $ - |
| **LANDSCAPING IMPROVEMENTS** (For subdivision specific condition of approval, or PUD) | | | | | | | |
| | | SF | | = | $ - | | $ - |
| | | EA | | = | $ - | | $ - |
| | | EA | | = | $ - | | $ - |
| | | EA | | = | $ - | | $ - |
| | | EA | | = | $ - | | $ - |
| ** - Section 3 is not subject to defect warranty requirements | | | **Section 3 Subtotal** | **=** | **$ 903,104.00** | | **$ 903,104.00** |

| PROJECT INFORMATION | | | | | | | |
|---|---|---|---|---|---|---|---|
| Saddlehorn Ranch Filing 2 Improvements | | | 8/1/2022 | | | SF-21-033 | |
| Project Name | | | Date | | | PCD File No. | |
| | | | | | | (with Pre-Plat Construction) | |
| Description | Quantity | Units | Unit Cost | | Total | % Complete | Remaining |
| AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs) | | LS | $ 10,000.00 | = | $ 10,000.00 | | $ 10,000.00 |
| POND/BMP CERTIFICATION (inc. elevations and volume calculations) | | LS | $ 10,000.00 | = | $ 10,000.00 | | $ 10,000.00 |

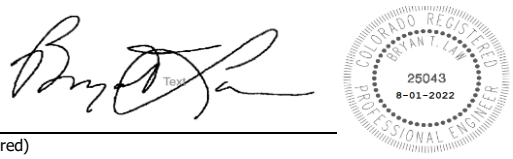
**Total Construction Financial Assurance** **$ 3,851,758.86**
(Sum of all section subtotals plus as-builts and pond/BMP certification)

**Total Remaining Construction Financial Assurance (with Pre-Plat Construction)** **$ 3,851,758.86**
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

**Total Defect Warranty Financial Assurance** **$ 549,794.39**
(20% of all items identified as (*). 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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.




Engineer (P.E. Seal Required)

Approved by Owner / Applicant — Date

Approved by El Paso County Engineer / ECM Administrator — Date

Provide signature

If any channel improvements are needed they will need to be added.