



Please use the 2023 Financial Assurance Estimate Form from El Paso County as done in previous submittal. Submit with signatures.

## 2023 Financial Assurance Estimate Form

Updated: 1/31/23

PROJECT INFORMATION					
Waterview East Early Grading Permit	6/15/2023	Jessica McCallum			
Project Name	Date	Engineer			
Description	Quantity	Units	Unit Cost		Total
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>					
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	60,000	CY	\$ 2.50	=	\$ 175,000.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -
Permanent Erosion Control Blanket		SY	\$ 8.00	=	\$ -
Permanent Seeding (inc. noxious weed mgmt.) & Mulching		AC	\$ 1,875.00	=	\$ -
Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -
Concrete Washout Basin	2	EA	\$ 1,089.00	=	\$ 2,178.00
Inlet Protection	23	EA	\$ 202.00	=	\$ 4,646.00
Rock Check Dam	88	EA	\$ 605.00	=	\$ 53,240.00
Safety Fence		LF	\$ 3.00	=	\$ -
Sediment Basin	3	EA	\$ 2,132.00	=	\$ 6,396.00
Sediment Trap		EA	\$ 500.00	=	\$ -
Silt Fence	3,902	LF	\$ 3.00	=	\$ 11,706.00
Slope Drain		LF	\$ 40.00	=	\$ -
Straw Bale		EA	\$ 31.00	=	\$ -
Straw Wattle/Rock Sock	36	LF	\$ 7.00	=	\$ 252.00
Surface Roughening	4.8	AC	\$ 250.00	=	\$ 1,197.50
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -
Temporary Seeding and Mulching		AC	\$ 1,666.00	=	\$ -
Vehicle Tracking Control	2	EA	\$ 2,867.00	=	\$ 5,734.00
<i>(insert items not listed but part of construction plans)</i>					\$ -
<b>MAINTENANCE (25% of Construction BMPs)</b>				=	\$ 21,337.38
<b>Section 1 Subtotal</b>				=	<b>\$ 281,686.88</b>

Please change to 4 due to new design.

## SECTION 2 - PUBLIC IMPROVEMENTS

### ROADWAY IMPROVEMENTS

Construction Traffic Control		LS		=	\$	-
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	=	\$	-
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	=	\$	-
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$	-
Asphalt Pavement (4" thick)		SY	\$ 23.00	=	\$	-
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$	-
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	=	\$	-
Raised Median, Paved		SF	\$ 10.00	=	\$	-
Regulatory Sign/Advisory Sign		EA	\$ 364.00	=	\$	-
Guide/Street Name Sign		EA		=	\$	-
Epoxy Pavement Marking		SF	\$ 16.00	=	\$	-
Thermoplastic Pavement Marking		SF	\$ 28.00	=	\$	-
Barricade - Type 3		EA	\$ 241.00	=	\$	-
Delineator - Type I		EA	\$ 29.00	=	\$	-
Curb and Gutter, Type A (6" Vertical)		LF	\$ 35.00	=	\$	-
Curb and Gutter, Type B (Median)		LF	\$ 35.00	=	\$	-
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	=	\$	-
4" Sidewalk (common areas only)		SY	\$ 58.00	=	\$	-
5" Sidewalk		SY	\$ 72.00	=	\$	-
6" Sidewalk		SY	\$ 87.00	=	\$	-
8" Sidewalk		SY	\$ 116.00	=	\$	-
Pedestrian Ramp		EA	\$ 1,390.00	=	\$	-
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	=	\$	-
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	=	\$	-
Curb Opening with Drainage Chase		EA	\$ 1,790.00	=	\$	-
Guardrail Type 3 (W-Beam)		LF	\$ 60.00	=	\$	-
Guardrail Type 7 (Concrete)		LF	\$ 87.00	=	\$	-
Guardrail End Anchorage		EA	\$ 2,538.00	=	\$	-
Guardrail Impact Attenuator		EA	\$ 4,556.00	=	\$	-
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	=	\$	-
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	=	\$	-
Electrical Conduit, Size =		LF	\$ 20.00	=	\$	-
Traffic Signal, (provide engineer's estimate)		EA		=	\$	-
<i>[insert items not listed but part of construction plans]</i>				=	\$	-

### STORM DRAIN IMPROVEMENTS

Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$	-
18" Reinforced Concrete Pipe		LF	\$ 76.00	=	\$	-
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$	-
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$	-
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$	-
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$	-
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$	-
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$	-
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$	-
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$	-
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$	-
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$	-
24" Corrugated Steel Pipe		LF	\$ 112.00	=	\$	-
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$	-
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$	-
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$	-
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$	-
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$	-
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$	-
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$	-
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$	-
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$	-
84" Corrugated Steel Pipe		LF	\$ 642.00	=	\$	-
Flared End Section (FES) RCP Size =		EA		=	\$	-
<i>(unit cost = 6x pipe unit cost)</i>						



Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA		=	\$	-
End Treatment- Headwall		EA		=	\$	-
End Treatment- Wingwall		EA		=	\$	-
End Treatment - Cutoff Wall		EA		=	\$	-
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$	-
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$	-
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$	-
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$	-
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$	-
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$	-
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$	-
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$	-
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$	-
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$	-
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$	-
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$	-
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$	-
Storm Sewer Manhole, Box Base	1	EA	\$ 14,061.00	=	\$	14,061.00
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$	-
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$	-
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00	=	\$	-
Rip Rap, Grouted		Tons	\$ 115.00	=	\$	-
Drainage Channel Construction, Size ( W x H )		LF	\$ -	=	\$	-
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$	-
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$	-
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$	-
Drainage Channel Lining, Other Stabilization				=	\$	-
				=	\$	-
[insert items not listed but part of construction plans]						
<b>WATER SYSTEM IMPROVEMENTS</b>						
Water Main Pipe (PVC), Size 6"		LF	\$ 70.00	=	\$	-
Gate Valves, 6"		EA	\$ 2,000.00	=	\$	-
Water Main Pipe (PVC), Size 8"		LF	\$ 85.00	=	\$	-
Gate Valves, 8"		EA	\$ 3,000.00	=	\$	-
Water Main Pipe (PVC), Size 12"		LF	\$ 130.00	=	\$	-
Gate Valves, 12"		EA	\$ 6,000.00	=	\$	-
Fire Hydrant Assembly, w/ all valves		EA	\$ 15,500.00	=	\$	-
Water Service Line Installation, inc. tap and valves		EA	\$ 1,850.00	=	\$	-
Fire Service Line Installation, includes tap and valves		EA	\$ 8,500.00	=	\$	-
				=	\$	-
[insert items not listed but part of construction plans]						
<b>Section 2 Subtotal</b>					<b>= \$</b>	<b>14,061.00</b>

**SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District, NOT City)\*****ROADWAY IMPROVEMENTS**

				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-

**STORM DRAIN IMPROVEMENTS**

(Exception: Permanent Pond/BMP shall be itemized under Section 1)

				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-

**WATER SYSTEM IMPROVEMENTS**

				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-
				=	\$	-

\* Section 3 is not subject to defect warranty requirements

Section 3 Subtotal = \$ -

Grading and Erosion Control Financial Assurance \$ 281,686.88

(Sum of Section 1 - Amount to be provided as a separate financial assurance)

Public and Common Development Improvements Financial Assurance \$ 14,061.00

(Sum of Sections 2 and 3 - Amount to be provided separately from the Grading and Erosion Control financial assurance)

Total Defect Warranty Financial Assurance \$ 2,812.20

(20% of Section 2 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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.

JESSICA MCCALUM, P.E.

Engineer (P.E. Seal Required)



6/26/23

Date

Waterview Commercial Restors, LLC  
 by Heath A. Herbert, Manager  
 Approved by Owner / Applicant

Date

7/10/2023

Approved by City Engineer

Date