

# 2015 Financial Assurance Estimate Form

(Basic form)

3/17/2015

## Project Information

MOUNTAINS EDGE

Project Name

8/28/2018  
Date

### Section 1 - Grading and Erosion Control BMPs

	Quantity	Units	Price		
Earthwork*	<u>1493</u>	CY	@ \$5	=	\$ <u>7465</u> *
Permanent Seeding*	<u>1</u>	AC	@ \$582	=	\$ <u>582</u> *
Mulching*	<u>1</u>	AC	@ \$507	=	\$ <u>507</u> *
Permanent Erosion Control Blanket*		SY	@ \$6	=	\$
Temporary Erosion Control Blanket		SY	@ \$3	=	\$
Vehicle Tracking Control	<u>1</u>	EA	@ \$1,625	=	\$ <u>1625</u>
Safety Fence		LF	@ \$3	=	\$
Silt Fence	<u>1240</u>	LF	@ \$4	=	\$ <u>4960</u>
Temporary Seeding		AC	@ \$485	=	\$
Temporary Mulch		AC	@ \$507	=	\$
Erosion Bales		EA	@ \$21	=	\$
Erosion Logs	<u>225</u>	LF	@ \$6	=	\$ <u>1350</u>
Rock Ditch Checks		EA	@	=	\$
Inlet Protection		EA	@ \$153	=	\$
Sediment Basin		EA	@ \$1,625	=	\$
Concrete Washout Basin		EA	@ \$776	=	\$
		@	\$	=	\$
<b>Section 1 Subtotal</b>					<b>\$ <u>16,489</u></b>

Specified items subject to defect warranty financial assurance

### Section 2 - Public Improvements\*\*

#### - Roadway Improvements

	Quantity	Units	Price		
Construction Traffic Control		LS	@ \$	=	\$
Aggregate Base Course	<u>1450</u>	Tons	@ \$18	=	\$ <u>26,100</u>
Asphalt Pavement		Tons	@ \$65	=	\$
Raised Median, Paved		SF	@ \$7	=	\$
Electrical Conduit, Size =		LF	@ \$14	=	\$
Traffic Signal, complete intersection		EA	@ \$250,000	=	\$
Regulatory Sign	<u>2</u>	EA	@ \$100	=	\$ <u>200</u>
Advisory Sign		EA	@ \$100	=	\$
Guide/Street Name Sign	<u>1</u>	EA	@ \$100	=	\$ <u>100</u>
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 <i>38" x 24"</i>	LF	@	\$	<i>100</i>	=	<i>\$ 4700</i>
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	=	\$
High Density Polyethylene (HDPE) Pipe	Size	LF	@	\$		=	\$
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	<i>+ 38" x 24"</i>	EA	@	\$	<i>800</i>	=	<i>\$ 1600</i>
Flared End Section (FES) HDPE	<i>+</i>	EA	@	\$		=	\$
Flared End Section (FES) CSP	<i>+</i>	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	@	\$ 4,675	=	\$
Geotextile (Erosion Control)	SY	@	\$ 5	=	\$
Rip Rap, d50 Size from 6" to 24"	11 CY	@	\$ 98	=	\$ 1078
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	@	\$	=	\$

\*\*all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6

Section 2 Subtotal = \$ 33,778 \*\*

**Section 3 - Common Development Improvements  
(Private or District)\*\*\***

**- 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

Quantity	Units	Price		
_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____
_____	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)

_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____
_____	@	\$ _____	=	\$ _____

**- Water System Improvements**

Water Main Pipe (PVC), Size 8"  
 Water Main Pipe (Ductile Iron), Size 8"  
 Gate Valves, 8"  
 Fire Hydrant Assembly w/ all valves  
 Water Service Line Installation, inc. tap & valves  
 Fire Cistern Installation, complete

_____	LF	@ \$ _____ \$94	=	\$ _____
_____	LF	@ \$ _____ \$137	=	\$ _____
_____	EA	@ \$ _____ \$1,852	=	\$ _____
_____	EA	@ \$ _____ \$6,430	=	\$ _____
_____	EA	@ \$ _____ \$1,253	=	\$ _____
_____	EA	@ \$ _____	=	\$ _____

**- Sanitary Sewer Improvements**

Sewer Main Pipe (PVC), Size 8"  
 Sanitary Sewer Manhole, Depth < 15 feet  
 Sanitary Service Line Installation, complete  
 Sanitary Sewer Lift Station, complete

_____	LF	@ \$ _____ \$94	=	\$ _____
_____	EA	@ \$ _____ \$4,575	=	\$ _____
_____	EA	@ \$ _____ 1,516	=	\$ _____
_____	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 = \$ \_\_\_\_\_**

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**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

( Inc. survey to verify detention pond volumes.)

Construction Financial Assurance Total =

\$ 50,267

(Sum of all Section Totals)

Public Improvements Total\*\*

\$ 50,267

Defect Warranty Financial Assurance Total =

\$ 10,053,40

(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.

Engineer

(P.E. Seal)

Date

Revise to \$8,466.40

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

# Markup Summary

Daniel Torres (3)

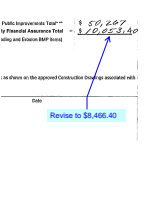
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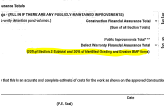
Public Organization Cost  
by Financial Assistance Type  
and Expense Type (USD)

Expense Type	Amount
Public Organization Cost	\$ 8,466.40

Revise to \$8,466.40

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Revise to \$8,466.40



Public Organization Cost  
by Financial Assistance Type  
and Expense Type (USD)

Expense Type	Amount
Public Organization Cost	\$ 8,466.40

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