

2015 Financial Assurance
Estimate Form

Include the 7.50 AC of Permanent Seeding
shown on the initial submittal.

8/6/2015

Project Information	
Lot 111 Cherry Creek Crossing Filing No. 1	9/20/2017
Project Name	

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork* (7.7 acres 12-inches deep)	11,290.00	CY @	\$ 5	56,430.00	\$ 56,450.00 *
Permanent Seeding*		AC @	\$ 582		\$ - *
Mulching*	7.50	AC @	\$ 507	3,802.50	\$ 3,802.50 *
Permanent Erosion Control Blanket*		SY @	\$ 6		\$ - *
Temporary Erosion Control Blanket	1,615.00	SY @	\$ 3	4,845.00	\$ 4,845.00
Vehicle Tracking Control	1.00	EA @	\$ 1,625	1,625.00	\$ 1,625.00
Safety Fence		LF @	\$ 3		\$ -
Silt Fence	1,750.00	LF @	\$ 4	7,000.00	\$ 7,000.00
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Mulch		AC @	\$ 507		\$ -
Erosion Control Bales		EA @	\$ 21		\$ -
Erosion Logs		LF @	\$ 6		\$ -
Rock Ditch Checks		EA @	\$		\$ -
Inlet Protection	1.00	EA @	\$ 153	153.00	\$ 153.00
Sediment Basin	1.00	EA @	\$ 1,625	1,625.00	\$ 1,625.00
Concrete Washout Basin	1.00	EA @	\$ 776	776.00	\$ 776.00
Stabilized stockpile and staging area	2.00	EA @	\$ 1,000	2,000.00	\$ 2,000.00
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.					
Section 1 Subtotal				\$ 78,276.50	\$ 78,276.50

Does not match the plans which shows approximately 240 LF more

Move from Temporary to Permanent Erosion Control Blanket

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		EA @	\$ 100		\$ - *
Advisory Sign		EA @	\$ 100		\$ - *
Guide/Street Name Sign		EA @	\$ 50		\$ - *
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		\$ - *
Concrete Sidewalk		SY @	\$ 38		\$ - *

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	215.00	LF	@	\$ 182	=	\$ 39,130.00	\$ 39,130.00	*
60" Reinforced Concrete Pipe		LF	@	\$ 216	=	\$	\$ -	*
66" Reinforced Concrete Pipe		LF	@	\$ 263	=	\$	\$ -	*
72" Reinforced Concrete Pipe		LF	@	\$ 283	=	\$	\$ -	*
43"x68"Horiz. Ell. Reinforced Concrete Pipe		LF	@	\$ 190	=	\$	\$ -	*
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 24"		EA	@	\$ 900	=	\$	\$ -	*
Flared End Section (FES) RCP 30"		EA	@	\$ 1,000	=	\$	\$ -	*
Flared End Section (FES) RCP 42"		EA	@	\$ 1,200	=	\$	\$ -	*
Flared End Section (FES) 54-INCH	1.00	EA	@	\$ 1,500	=	\$ 1,500.00	\$ 1,500.00	*
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 =25' , <5' Depth		EA	@	\$ 9,000	=	\$	\$ -	*
Curb Inlet (Type R) L =25' , 5' - 10' Depth		EA	@	\$ 10,000	=	\$	\$ -	*
Curb Inlet (Type R Modified) L =25' , 5' - 10' Depth		EA	@	\$ 13,500	=	\$	\$ -	*
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	1.00	EA	@	\$ 4,575	=	\$ 4,575.00	\$ 4,575.00	*

Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap, d50 Size from 6" to 24"	55.00	CY	@	\$	\$98	=	\$	5,390.00	\$	5,390.00	*
Rip Rap, Grouted		CY	@	\$	\$215	=	\$		\$	-	*
Drainage Channel Construction, Size (W x H)		LF	@	\$		=	\$		\$	-	*
Channel Lining, Concrete (Trickle Channel)		CY	@	\$	\$450	=	\$		\$	-	*
Channel Lining, Rip Rap		CY	@	\$	\$98	=	\$		\$	-	*
Channel Lining, Grass		AC	@	\$	\$1,287	=	\$		\$	-	*
Concrete Cutoff Wall (30" RCP FES)		EA	@	\$	\$500	=	\$		\$	-	*
Detention Outlet Structure		EA	@	\$	\$12,000	=	\$		\$	-	*
Detention Emergency Spillway		EA	@	\$	\$18,300	=	\$		\$	-	*
Presedimentation Forebay		EA	@	\$	\$7,000	=	\$		\$	-	*
Gravel Maintenance Access Trail		SY	@	\$	\$20	=	\$		\$	-	*
Type II Bedding		CY	@	\$	\$35	=	\$		\$	-	*
Detention Basin Seeding and Mulch		AC	@	\$	\$520	=	\$		\$	-	*
Permanent Water Quality Facility (Describe)		EA	@	\$		=	\$		\$	-	*
Low tailwater protection	1.00	EA		\$	6,000	=	\$	6,000.00	\$	6,000.00	*
<p>* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6</p>											
Section 2 Subtotal							=	\$	50,595.00		50,595.00 **

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		@	\$ \$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 6"		LF @	\$ \$94	=	\$	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF @	\$ \$137	=	\$	\$ -
Water Main Pipe (PVC), Size 12"		LF @	\$ \$122	=	\$	\$ -
Gate Valves, 6"		EA @	\$ \$1,852	=	\$	\$ -
Gate Valves, 12"		EA @	\$ \$2,400	=	\$	\$ -
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	=	\$	\$ -
Sewer Main Pipe (PVC), Size 12"		LF @	\$ \$165	=	\$	\$ -
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				=	\$	

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$5,500</u>
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	<u>\$134,371.50</u>
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	<u>134,371.50</u>
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	<u>\$22,169.50</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



(P.E. Seal)

Date

9/20/17

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

Markup Summary

Callout (2)

9/20/2017				
Qty	Units	Price	Quantity	Resubmitting
250.00	CY	\$5	1	56,450.00
AC	\$	8485	1	
7.50	AC	\$497	1	3,680
213.00	RY	\$5	1	4,481
1.00	EA	\$1,625	1	1,625.00
LF	\$	35	1	7,000.00
250.00	LF	\$5	1	7,000
AC	\$	8485	1	
AC	\$	8507	1	
EA	\$	352	1	

Subject: Callout
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Move from Temporary to Permanent Erosion Control Blanket

100

Include the 7.50 AC of Permanent Seeding shown on the initial submittal

8/6/2015

9/20/2017				
Items	Quantity	Units	Price	% Complete
Earthwork (7.7 acres 13 inches deep)	11,200.00	CY	\$5	1
Permanent Seeding*	7.50	AC	\$497	1
Blanketing	7.50	AC	\$8507	1
Permanent Erosion Control Blanket*	1.00	EA	\$1,625	1
Vehicle Tracking Control	1.00	EA	\$1,625	1
Temporary Erosion Control Blanket	1.00	EA	\$1,625	1
Temporary Seeding	1.00	EA	\$1,625	1
Concrete Washout Basin	1.00	EA	\$1,625	1
Stabilized stockpile and staging area	2.00	EA	\$1,625	1

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Include the 7.50 AC of Permanent Seeding shown on the initial submittal.

Cloud+ (1)

Earthwork (7.7 acres 13 inches deep)	11,200.00	CY	\$5	1
Permanent Seeding*	7.50	AC	\$497	1
Blanketing	7.50	AC	\$8507	1
Permanent Erosion Control Blanket*	1.00	EA	\$1,625	1
Vehicle Tracking Control	1.00	EA	\$1,625	1
Temporary Erosion Control Blanket	1.00	EA	\$1,625	1
Temporary Seeding	1.00	EA	\$1,625	1
Concrete Washout Basin	1.00	EA	\$1,625	1
Stabilized stockpile and staging area	2.00	EA	\$1,625	1

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Does not match the plans which shows approximately 240 LF more