

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

8/6/2015

Project Information	
Clear Springs Ranch Fire Break Access Road	10/24/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*		CY @	\$ 5		\$ - *
Permanent Seeding* (inc. noxious weed mgmnt.)	1.00	AC @	\$ 582		\$ 582.00 *
Mulching*		AC @	\$ 507		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ 6		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3		\$ -
Vehicle Tracking Control	1.00	EA @	\$ 1,625		\$ 1,625.00
Safety Fence		LF @	\$ 3		\$ -
Silt Fence	50.00	LF @	\$ 4		\$ 200.00
Temporary Seeding		AC @	\$ 485		\$ -
Temporary Mulch		AC @	\$ 507		\$ -
Erosion Bales		EA @	\$ 21		\$ -
Erosion Logs	50	LF @	\$ 6		\$ 300.00
Rock Ditch Checks		EA @	\$		\$ -
Inlet Protection		EA @	\$ 153		\$ -
Sediment Basin		EA @	\$ 1,625		\$ -
Concrete Washout Basin		EA @	\$ 776		\$ -
		@	\$		\$ -
* 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					\$ 2,707.00
					\$ 2,707.00

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 @	\$		\$ - *
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	@	\$		=	\$		\$	-	*
<p>* 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</p>											
Section 2 Subtotal											
\$											
**											

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		SY	\$ 338	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- 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"		LF	\$ 94	=	\$	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 137	=	\$	\$ -
Gate Valves, 8"		EA	\$ 1,852	=	\$	\$ -
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	=	\$	\$ -
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) (Inc. survey to verify detention pond volumes.)	\$	<u>2,707.00</u>
(Sum of all section subtotals)		
Total Remaining Construction Financial Assurance		<u>2,707.00</u>
(Sum of all section totals less credit for items complete)		
Total Defect Warranty Financial Assurance		<u>\$116.40</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.

N/A DRAWINGS NOT REQUIRED AS NO DETENTION STRUCTURE WILL BE USED

Engineer Date


(P.E. Seal)

9-4-18

Approved by Owner / Applicant

Date

Approved
by Elizabeth Nijkamp
El Paso County Planning and Community Development
on behalf of Jennifer Irvine, County Engineer, ECM Administrator



10/25/2018 10:02:50 AM

Approved by El Paso County Engineer / ECM Administrator

Date