

Financial Assurance

8/6/2015

Estimate Form (with pre-plat construction)

Project Information VR-18-010

Largest Subdivision (Big O Tires - Falcon)

7/12/2018

Project Name

Date

Section 1 - Grading and Erosion Control BMPs

	Quantity	Units	Price	% Complete	Remaining
Earthwork*	1,164.00	CY	@ \$ \$5	\$ 5,820.00	\$ 5,820.00 *
Permanent Seeding* (inc. noxious weed mgmt.)	0.10	AC	@ \$ \$582	\$ 58.20	\$ 58.20 *
Mulching*	0.10	AC	@ \$ \$507	\$ 50.70	\$ 50.70 *
Permanent Erosion Control Blanket*		SY	@ \$ \$6	\$	\$ *
Temporary Erosion Control Blanket		SY	@ \$ \$3	\$	\$ *
Vehicle Tracking Control	1.00	EA	@ \$ \$1,625	\$ 1,625.00	\$ 1,625.00
Safety Fence		LF	@ \$ \$3	\$	\$
Silt Fence	500.00	LF	@ \$ \$4	\$ 2,000.00	\$ 2,000.00
Temporary Seeding		AC	@ \$ \$485	\$	\$
Temporary Mulch		AC	@ \$ \$507	\$	\$
Erosion Bales		EA	@ \$ \$21	\$	\$
Erosion Logs		LF	@ \$ \$6	\$	\$
Rock Ditch Checks		EA	@ \$	\$	\$
Inlet Protection	3.00	EA	@ \$ \$153	\$ 459.00	\$ 459.00
Sediment Basin	1.00	EA	@ \$ \$1,625	\$ 1,625.00	\$ 1,625.00
Concrete Washout Basin	1.00	EA	@ \$ \$776	\$ 776.00	\$ 776.00
		@ \$	\$	\$	\$
* 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:				\$ 12,413.90	\$ 12,413.90

Section 2 - Public Improvements**

	Quantity	Units	Price	% Complete	Remaining
<u>- Roadway Improvements</u>					
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 (8" Vertical)		LF	@ \$ \$16	\$	\$ *
Curb and Gutter, Type B (Median)		LF	@ \$ \$13	\$	\$ *
Pedestrian Ramp		SY	@ \$ \$108	\$	\$ *

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	@	\$		=	\$	\$	-	*

* 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

Section 2 Subtotal

\$

**

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	@	\$	\$68	=	\$	\$	*
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	=	\$	\$	*
76" 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, #50 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	=	\$	\$	*

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	% Complete	Remaining
	@	\$		\$
	@	\$		\$
	@	\$		\$
	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)

Storm Inlet (Type 16)

12" HDPE Storm Sewer

18" RCP Culvert w/ FES

Detention Basin (including retaining walls)

	@	\$		\$
	@	\$		\$
	@	\$		\$
2.00	EA	\$ 3,270		\$ 6,540.00
91.00	LF	\$ 50		\$ 4,550.00
56.00	LF	\$ 69		\$ 3,864.00
1.00	LS	\$ 70,104		\$ 70,104.00
	@	\$		\$
	@	\$		\$

- 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, including tap and 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	@ \$ 34,575		\$
	EA	@ \$ 1,516		\$
	EA	@ \$		\$

- Landscaping (if Applicable)

(List landscaping 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 = \$ 85,058.00

85,058.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)
(Inc. survey to verify detention pond volumes.)

\$ \$1,000

Total Construction Financial Assurance \$98,471.90

(Sum of all section subtotals)

Total Remaining Construction Financial Assurance 98,471.90

(Sum of all section totals less credit for items complete)

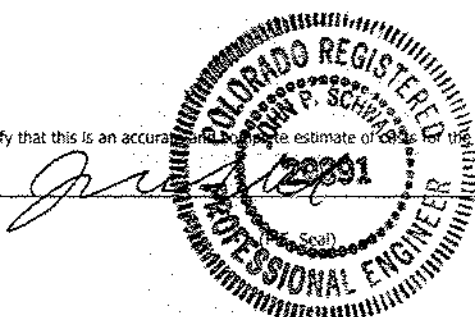
Total Defect Warranty Financial Assurance \$1,185.78

(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 cost for the work as shown on the approved Construction Drawings associated with the Project.

Engineer



7/18/18

Date

Approved by Owner / Applicant

Date

7-24-18

Approved by El Paso County Engineer / ECM Administrator

Approved

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



07/26/2018 5:18:13 PM