

Comment Responses

DRAFT

2017 Financial Assurance Estimate Form (with pre-plat construction)

Project Information

Waterbury Filing No. 2

Project Name

8/8/2017

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	20,000.00	CY	@ \$ \$5 = \$ 100,000.00		\$ 100,000.00 *
Permanent Seeding* (inc. noxious weed mgmt.)	17.00	AC	@ \$ \$582 = \$ 9,894.00		\$ 9,894.00 *
Mulching*	17.00	AC	@ \$ \$507 = \$ 8,619.00		\$ 8,619.00 *
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	3,400.00	LF	@ \$ \$4 = \$ 13,600.00		\$ 13,600.00
Temporary Seeding	3.00	AC	@ \$ \$485 = \$ 1,455.00		\$ 1,455.00
Temporary Mulch	3.00	AC	@ \$ \$507 = \$ 1,521.00		\$ 1,521.00
Erosion Bales	18.00	EA	@ \$ \$21 = \$ 378.00		\$ 378.00
Erosion Logs		LF	@ \$ \$6 = \$		\$ -
Rock Ditch Checks		EA	@ \$ = \$		\$ -
Inlet Protection	7.00	EA	@ \$ \$153 = \$ 1,071.00		\$ 1,071.00
Sediment Basin	2.00	EA	@ \$ \$1,625 = \$ 3,250.00		\$ 3,250.00
Concrete Washout Basin	1.00	EA	@ \$ \$776 = \$ 776.00		\$ 776.00
		@ \$ = \$			\$ -
Section 1 Subtotal				\$ 142,189.00	\$ 142,189.00

* 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 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<u>- Roadway Improvements</u>					
Construction Traffic Control	1.00	LS	@ \$ 2,000 = \$ 2,000.00		\$ 2,000.00 *
Aggregate Base Course	4,250.00	Tons	@ \$ \$18 = \$ 76,500.00		\$ 76,500.00 *
Asphalt Pavement	3,200.00	Tons	@ \$ \$65 = \$ 208,000.00		\$ 208,000.00 *
Raised Median, Paved		SF	@ \$ \$7 = \$		\$ - *
Electrical Conduit, Size =		LF	@ \$ \$14 = \$		\$ - *
Traffic Signal, complete intersection		EA	@ \$ \$250,000 = \$		\$ - *
Regulatory Sign	8.00	EA	@ \$ \$100 = \$ 800.00		\$ 800.00 *
Advisory Sign	3.00	EA	@ \$ \$100 = \$ 300.00		\$ 300.00 *
Guide/Street Name Sign	8.00	EA	@ \$ \$300 = \$ 2,400.00		\$ 2,400.00 *
Epoxy Pavement Marking	650.00	SF	@ \$ \$12 = \$ 7,800.00		\$ 7,800.00 *
Thermoplastic Pavement Marking		SF	@ \$ \$22 = \$		\$ - *
Barricade - Type 3	4.00	EA	@ \$ \$115 = \$ 460.00		\$ 460.00 *
Delineator (Type I)		EA	@ \$ \$21 = \$		\$ - *
Curb and Gutter, Type C (Ramp)	3,300.00	LF	@ \$ \$21 = \$ 69,300.00		\$ 69,300.00 *
Curb and Gutter, Type A (6" Vertical)	1,800.00	LF	@ \$ \$16 = \$ 28,800.00		\$ 28,800.00 *
Curb and Gutter, Type B (Median)		LF	@ \$ \$13 = \$		\$ - *
Pedestrian Ramp	80.00	SY	@ \$ \$108 = \$ 8,640.00		\$ 8,640.00 *
Cross Pan	125.00	SY	@ \$ \$53 = \$ 6,625.00		\$ 6,625.00 *
Curb Chase		EA	@ \$ \$1,300 = \$		\$ - *

Add separate lines for Stapleton Road
auxiliary lanes.

provided with Filing 1 Improvements.

specify 5" thickness

Guardrail Type 3 (W-Beam)	LF	@	\$ 18	=	\$	\$ - *
Guardrail Type 7 (Concrete)	LF	@	\$ 87	=	\$	\$ - *
Guardrail End Anchorage	EA	@	\$ 1,978	=	\$	\$ - *
Guardrail Impact Attenuator	EA	@	\$ 3,564	=	\$	\$ - *
Sound Barrier Fence	LF	@	\$ 100	=	\$	\$ - *
Concrete Sidewalk	1,900.00 SY	@	\$ 38	=	\$ 72,200.00	\$ 72,200.00

- Storm Drain Improvements

Concrete Box Culvert (M Standard), Size (W x H)	LF	@	\$	=	\$	\$ - *
Reinforced Concrete Pipe (RCP) Size	LF	@	\$	=	\$	\$ - *
18" Reinforced Concrete Pipe	60.00 LF	@	\$ 89	=	\$ 4,140.00	\$ 4,140.00 *
24" Reinforced Concrete Pipe	765.00 LF	@	\$ 84	=	\$ 64,260.00	\$ 64,260.00 *
30" Reinforced Concrete Pipe	65.00 LF	@	\$ 94	=	\$ 6,110.00	\$ 6,110.00 *
36" Reinforced Concrete Pipe	1,015.00 LF	@	\$ 124	=	\$ 125,860.00	\$ 125,860.00 *
42" Reinforced Concrete Pipe	150.00 LF	@	\$ 134	=	\$ 20,100.00	\$ 20,100.00 *
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	@	\$ 86	=	\$	\$ - *
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)	2.00 EA	@	\$ 744	=	\$ 1,488.00	\$ 1,488.00 *
Flared End Section (FES) CSP	EA	@	\$	=	\$	\$ - *
End Treatment- Headwall	EA	@	\$ 4,000	=	\$	\$ - *
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=4', 5'-10' Depth	1.00 EA	@	\$ 5,300	=	\$ 5,300.00	\$ 5,300.00 *
Curb Inlet (Type R) L=6', 5'-10' Depth	3.00 EA	@	\$ 6,000	=	\$ 18,000.00	\$ 18,000.00 *
Curb Inlet (Type R) L=8', 5'-10' Depth	EA	@	\$ 7,000	=	\$	\$ - *
Curb Inlet (Type R) L=10', 5'-10' Depth	EA	@	\$ 7,500	=	\$	\$ - *
Curb Inlet (Type R) L=12', 5'-10' Depth	EA	@	\$ 8,300	=	\$	\$ - *
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	5.00 EA	@	\$ 8,592	=	\$ 42,960.00	\$ 42,960.00 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	4.00 EA	@	\$ 4,575	=	\$ 18,300.00	\$ 18,300.00 *
Geotextile (Erosion Control)	SY	@	\$ 55	=	\$	\$ - *
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	=	\$	\$ - *

\$58

detention
pond outfall?

Included with Pond 1 contr.
(Section 3)

provide as applicable

for disturbed area @
channel crossing

Channel Lining, Grass
Channel Lining, Other Stabilization
Detention Outlet Structure
Detention Emergency Spillway
Permanent Water Quality Facility (Describe)

AC	@	\$	\$1,287	=	\$	\$	-	*
SY	@	\$	\$3	=	\$	\$	-	*
EA	@	\$	8,000	=	\$	\$	-	*
EA	@	\$	1,000	=	\$	\$	-	*
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 = \$ 790,343.00 790,343.00 **

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)

Private Alley

Aggregate Base Course	750.00	Tons	@	\$	18	=	\$	13,500.00	\$	13,500.00
Asphalt Pavement	600.00	Tons	@	\$	65	=	\$	39,000.00	\$	39,000.00
Curb and Gutter	435.00	LF	@	\$	16	=	\$	6,960.00	\$	6,960.00
Concrete Center Pan	140.00	SY	@	\$	53	=	\$	7,420.00	\$	7,420.00

- Storm Drain Improvements

(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)

Detention Facility Construction (Pond 1)

Detention Outlet Structure	1.00	EA	@	\$	8,000	=	\$	8,000.00	\$	8,000.00
Detention Emergency Spillway	1.00	EA	@	\$	2,000	=	\$	2,000.00	\$	2,000.00
Rip Rap, d50 Size from 6" to 24"	35.00	CY	@	\$	\$98	=	\$	3,430.00	\$	3,430.00
Grated Inlet in Alley	1.00	EA	@	\$	\$3,000	=	\$	3,000.00	\$	3,000.00

- Water System Improvements

Water Main Pipe (PVC), Size 8"	2,800.00	LF	@	\$	\$94	=	\$	263,200.00	\$	263,200.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$	\$137	=	\$		\$	-
Gate Valves, 8"		EA	@	\$	\$1,852	=	\$		\$	-
Fire Hydrant Assembly w/ all valves	6.00	EA	@	\$	\$6,430	=	\$	38,580.00	\$	38,580.00
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"	2,700.00	LF	@	\$	\$94	=	\$	253,800.00	\$	253,800.00
Sanitary Sewer Manhole, Depth < 15 feet	9.00	EA	@	\$	\$4,575	=	\$	41,175.00	\$	41,175.00
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 = \$ 696,065.00 696,065.00

Financial Assurance Totals

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

(Inc. survey to verify detention pond volumes.)

\$ \$2,500
Total Construction Financial Assurance **\$1,631,097.00**
(Sum of all section subtotals)

Total Remaining Construction Financial Assurance **1,631,097.00**
(Sum of all section totals less credit for items complete)

Total Defect Warranty Financial Assurance **\$181,771.20**
(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

Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator Date

2017 Financial Assurance

Estimate Form (with pre-plat construction)

Project Information	
Waterbury Filing No. 2	10/17/2017
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price			% Complete	Remaining
Earthwork*	20,000.00	CY	@	\$ \$5	=	\$ 100,000.00		\$ 100,000.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	17.00	AC	@	\$ \$582	=	\$ 9,894.00		\$ 9,894.00 *
Mulching*	17.00	AC	@	\$ \$507	=	\$ 8,619.00		\$ 8,619.00 *
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	3,400.00	LF	@	\$ \$4	=	\$ 13,600.00		\$ 13,600.00
Temporary Seeding	3.00	AC	@	\$ \$485	=	\$ 1,455.00		\$ 1,455.00
Temporary Mulch	3.00	AC	@	\$ \$507	=	\$ 1,521.00		\$ 1,521.00
Erosion Bales	18.00	EA	@	\$ \$21	=	\$ 378.00		\$ 378.00
Erosion Logs		LF	@	\$ \$6	=	\$		\$ -
Rock Ditch Checks		EA	@	\$	=	\$		\$ -
Inlet Protection	7.00	EA	@	\$ \$153	=	\$ 1,071.00		\$ 1,071.00
Sediment Basin	3.00	EA	@	\$ \$1,625	=	\$ 4,875.00		\$ 4,875.00
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					=	\$ 143,814.00		\$ 143,814.00

Section 2 - Public Improvements**	Quantity	Units		Price			% Complete	Remaining
- Roadway Improvements								
Construction Traffic Control	1.00	LS	@	\$ 2,000	=	\$ 2,000.00		\$ 2,000.00 *
Aggregate Base Course	4,250.00	Tons	@	\$ \$18	=	\$ 76,500.00		\$ 76,500.00 *
Asphalt Pavement	3,200.00	Tons	@	\$ \$65	=	\$ 208,000.00		\$ 208,000.00 *
Raised Median, Paved		SF	@	\$ \$7	=	\$		\$ - *
Electrical Conduit, Size =		LF	@	\$ \$14	=	\$		\$ - *
Traffic Signal, complete intersection		EA	@	\$ \$250,000	=	\$		\$ - *
Regulatory Sign	8.00	EA	@	\$ \$100	=	\$ 800.00		\$ 800.00 *
Advisory Sign	3.00	EA	@	\$ \$100	=	\$ 300.00		\$ 300.00 *
Guide/Street Name Sign	8.00	EA	@	\$ \$300	=	\$ 2,400.00		\$ 2,400.00 *
Epoxy Pavement Marking	650.00	SF	@	\$ \$12	=	\$ 7,800.00		\$ 7,800.00 *
Thermoplastic Pavement Marking		SF	@	\$ \$22	=	\$		\$ - *
Barricade - Type 3	4.00	EA	@	\$ \$115	=	\$ 460.00		\$ 460.00 *
Delineator (Type I)		EA	@	\$ \$21	=	\$		\$ - *
Curb and Gutter, Type C (Ramp)	3,300.00	LF	@	\$ \$21	=	\$ 69,300.00		\$ 69,300.00 *
Curb and Gutter, Type A (6" Vertical)	1,800.00	LF	@	\$ \$16	=	\$ 28,800.00		\$ 28,800.00 *
Curb and Gutter, Type B (Median)		LF	@	\$ \$13	=	\$		\$ - *
Pedestrian Ramp	80.00	SY	@	\$ \$108	=	\$ 8,640.00		\$ 8,640.00 *
Cross Pan	125.00	SY	@	\$ \$53	=	\$ 6,625.00		\$ 6,625.00 *
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	=	\$	\$ -	*
Concrete Sidewalk (5" thickness)	1,900.00	SY	@	\$ \$58	=	\$ 110,200.00	\$ 110,200.00	
- Storm Drain Improvements								
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$	\$ -	*
Reinforced Concrete Pipe (RCP) Size		LF	@	\$	=	\$	\$ -	*
18" Reinforced Concrete Pipe	42.00	LF	@	\$ \$69	=	\$ 2,898.00	\$ 2,898.00	*
24" Reinforced Concrete Pipe	670.00	LF	@	\$ \$84	=	\$ 56,280.00	\$ 56,280.00	*
30" Reinforced Concrete Pipe	30.00	LF	@	\$ \$94	=	\$ 2,820.00	\$ 2,820.00	*
36" Reinforced Concrete Pipe	1,090.00	LF	@	\$ \$124	=	\$ 135,160.00	\$ 135,160.00	*
42" Reinforced Concrete Pipe	153.00	LF	@	\$ \$134	=	\$ 20,502.00	\$ 20,502.00	*
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) †	1.00	EA	@	\$ 744	=	\$ 744.00	\$ 744.00	*
Flared End Section (FES) CSP †		EA	@	\$	=	\$	\$ -	*
End Treatment- Headwall		EA	@	\$ 4,000	=	\$	\$ -	*
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=4', 5'-10' Depth	1.00	EA	@	\$ \$5,300	=	\$ 5,300.00	\$ 5,300.00	*
Curb Inlet (Type R) L =6' , 5'-10' Depth	3.00	EA	@	\$ \$6,000	=	\$ 18,000.00	\$ 18,000.00	*
Curb Inlet (Type R) L =8' , 5'-10' Depth		EA	@	\$ \$7,000	=	\$	\$ -	*
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$ \$7,500	=	\$	\$ -	*
Curb Inlet (Type R) L =12' , 5'-10' Depth		EA	@	\$ \$8,300	=	\$	\$ -	*
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	5.00	EA	@	\$ \$8,592	=	\$ 42,960.00	\$ 42,960.00	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet	3.00	EA	@	\$ \$4,575	=	\$ 13,725.00	\$ 13,725.00	*
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 Stabilization (40' wide utility crossing)	450.00	SY	@	\$ \$3	=	\$ 1,350.00	\$ 1,350.00 *
Detention Outlet Structure		EA	@	\$ 8,000	=	\$	\$ - *
Detention Emergency Spillway		EA	@	\$ 1,000	=	\$	\$ - *
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			=	821,564.00	821,564.00 **
				\$			

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)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
Private Alley			@	\$	=	\$	\$ -
Aggregate Base Course	750.00	Tons	@	\$ 18	=	\$ 13,500.00	\$ 13,500.00
Asphalt Pavement	600.00	Tons	@	\$ 65	=	\$ 39,000.00	\$ 39,000.00
Curb and Gutter	435.00	LF	@	\$ 16	=	\$ 6,960.00	\$ 6,960.00
Concrete Center Pan	140.00	SY	@	\$ 53	=	\$ 7,420.00	\$ 7,420.00
- Storm Drain Improvements							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
Detention Facility Construction (Pond 1)	4,000.00	CY	@	\$ \$4	=	\$ 16,000.00	\$ 16,000.00
Detention Outlet Structure	1.00	EA	@	\$ 8,000	=	\$ 8,000.00	\$ 8,000.00
Detention Emergency Spillway	1.00	EA	@	\$ 2,000	=	\$ 2,000.00	\$ 2,000.00
Concrete Forebay w/ Headwall	1.00	EA	@	\$ 12,000	=	\$ 12,000.00	\$ 12,000.00
18" Storm Outfall	70.00	LF	@	\$ 69	=	\$ 4,830.00	\$ 4,830.00
Rip Rap, d50 Size from 6" to 24"	50.00	CY	@	\$ \$98	=	\$ 4,900.00	\$ 4,900.00
		EA	@	\$	=	\$	\$ -
Grated Inlet in Alley	1.00	EA	@	\$ \$3,000	=	\$ 3,000.00	\$ 3,000.00
- Water System Improvements							
Water Main Pipe (PVC), Size 8"	2,800.00	LF	@	\$ \$94	=	\$ 263,200.00	\$ 263,200.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ \$137	=	\$	\$ -
Gate Valves, 8"		EA	@	\$ \$1,852	=	\$	\$ -
Fire Hydrant Assembly w/ all valves	6.00	EA	@	\$ \$6,430	=	\$ 38,580.00	\$ 38,580.00
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"	2,700.00	LF	@	\$ \$94	=	\$ 253,800.00	\$ 253,800.00
Sanitary Sewer Manhole, Depth < 15 feet	9.00	EA	@	\$ \$4,575	=	\$ 41,175.00	\$ 41,175.00
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			=	\$ 714,365.00	714,365.00

Financial Assurance Totals		
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$2,500
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$1,682,243.00
(Sum of all section subtotals)		
	Total Remaining Construction Financial Assurance	1,682,243.00
(Sum of all section totals less credit for items complete)		
	Total Defect Warranty Financial Assurance	\$188,015.40
(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

Approved by Owner / Applicant

Date

Approved by El Paso Couny Engineer / ECM Administrator

Date