

2017 Financial Assurance Estimate Form

(Basic form)

6/2/2017

Project Information	
The Sands	5/16/2018
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		
Earthwork*	54,635.00	CY @	\$ 5	=	\$ 273,175.00 *
Permanent Seeding*		AC @	\$ 582	=	\$ *
Mulching*		AC @	\$ 507	=	\$ *
Permanent Erosion Control Blanket *		SY @	\$ 6	=	\$ *
Temporary Erosion Control Blanket		SY @	\$ 3	=	\$
Vehicle Tracking Control	4.00	EA @	\$ 1,625	=	\$ 6,500.00
Safety Fence		LF @	\$ 3	=	\$
Silt Fence		LF @	\$ 4	=	\$
Temporary Seeding	76.00	AC @	\$ 485	=	\$ 36,860.00
Temporary Mulch	76.00	AC @	\$ 507	=	\$ 38,532.00
Erosion Bales	49.00	EA @	\$ 21	=	\$ 1,029.00
Erosion Logs		LF @	\$ 6	=	\$
Rock Ditch Checks		EA @	\$ 98	=	\$
Inlet Protection		EA @	\$ 153	=	\$
Sediment Basin	5.00	EA @	\$ 1,625	=	\$ 8,125.00
Concrete Washout Basin		EA @	\$ 776	=	\$
		@	\$	=	\$
Specified items subject to defect warranty financial assurance					
Section 1 Subtotal					\$ 364,221.00

Section 2 - Public Improvements**	Quantity	Units	Price		
- Roadway Improvements					
Construction Traffic Control		LS @	\$ 25,000	=	\$
Aggregate Base Course - 8"		Tons @	\$ 18	=	\$
Asphalt Pavement - 5"		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 @	\$ 200	=	\$
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	=	\$
Sidewalks		LF	@	\$	\$23	=	\$
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	@	\$	1,800	=	\$
Flared End Section (FES) CSP †		EA	@	\$		=	\$
End Treatment- Headwall		EA	@	\$	5,000	=	\$
End Treatment- Wingwall		EA	@	\$	9,000	=	\$
End Treatment - Cutoff Wall		EA	@	\$	500	=	\$
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) Modified L =15', W =5'		EA		\$	\$9,000		
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	@	\$ 1,984,422	=	\$
Channel Lining, Concrete	CY	@	\$ 450	=	\$
Channel Lining, Rip Rap	CY	@	\$ 98	=	\$
Channel Lining, Grass	AC	@	\$ 1,287	=	\$
Channel Lining, Other Stabilization	SY	@	\$ 3	=	\$

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				=	\$ _____ **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		
- Roadway Improvements					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
			@ \$	=	\$
Utility Relocates			@ \$ 112,500	=	\$
			@ \$	=	\$
- 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 Pond 4		EA	@ \$ 40,000	=	\$
Detention Pond 8		EA	@ \$ 50,000	=	\$
Detention Pond W-2		EA	@ \$ 65,000	=	\$
Temporary Detention Pond BB		EA	@ \$ 20,000	=	\$
- Water System Improvements					
Water Main Pipe (PVC), Size 8"		LF	@ \$ 94	=	\$
Water Main Pipe (PVC), Size 12"		LF	@ \$ 120	=	\$
Water Main Pipe (PVC), Size 16"		LF	@ \$ 135	=	\$
Water Main Pipe (Ductile Iron), Size 8"		LF	@ \$ 137	=	\$
Gate Valves, 8"		EA	@ \$ 1,852	=	\$
Gate Valves, 12"		EA	@ \$ 4,951	=	\$
Butterfly Valves, 16"		EA	@ \$ 6,448	=	\$
Fire Hydrant Assembly w/ all valves		EA	@ \$ 6,430	=	\$
Water Service Line Installation, inc. tap & 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	@ \$ 120	=	\$
Sewer Main Pipe (PVC), Size 15"		LF	@ \$ 135	=	\$
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	@ \$	=	\$
LS Tracts and Buffers		SF	@ \$ 3.75	=	\$
Trails		SY	@ \$ 2.50	=	\$
		EA	@ \$	=	\$
***items in this section are not subject to defect warranty financial assurance					
				Section 3 Subtotal	\$

Financial Assurance Totals

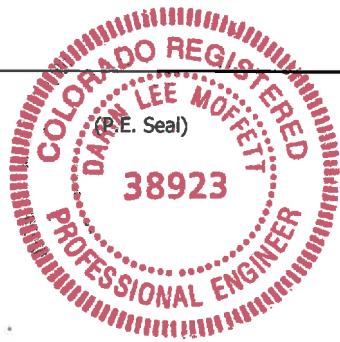
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)		\$	
	Construction Financial Assurance Total	=	\$ 364,221.00
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	273,175.00
	Defect Warranty Financial Assurance Total	=	\$ 54,635.00
	(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		327,810.00

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

[Handwritten signature]



5.16.2018

Date

Approved by Owner / Applicant

[Handwritten signature]

Date

5/18/18

Approved by El Paso County Engineer / ECM Administrator

Date