



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

3/17/2015

Project Information	
The Vistas Filing 1 at Meridian Ranch	4/13/2017
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Comple	Remaining
Earthwork*	288,500.00	CY	@ \$ \$5 = \$ 1,442,500.00	80	\$ 288,500.00 *
Permanent Seeding*	69.20	AC	@ \$ \$582 = \$ 40,274.40	50	\$ 20,137.20 *
Mulching*	69.20	AC	@ \$ \$507 = \$ 35,084.40	50	\$ 17,542.20 *
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	3,630.00	LF	@ \$ \$4 = \$ 14,520.00		\$ 14,520.00
Temporary Seeding		AC	@ \$ \$485 = \$		\$ -
Temporary Mulch		AC	@ \$ \$507 = \$		\$ -
Erosion Bales	222.00	EA	@ \$ \$21 = \$ 4,662.00		\$ 4,662.00
Erosion Logs		LF	@ \$ \$6 = \$		\$ -
Rock Ditch Checks		EA	@ \$ = \$		\$ -
Inlet Protection	11.00	EA	@ \$ \$153 = \$ 1,683.00		\$ 1,683.00
Sediment Basin		EA	@ \$ \$1,625 = \$		\$ -
Concrete Washout Basin	1.00	EA	@ \$ \$776 = \$ 776.00		\$ 776.00
		@	\$ = \$		\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.					
Section 1 Subtotal				\$ 1,541,124.80	\$ 349,445.40

Section 2 - Public Improvements**	Quantity	Units	Price	% Comple	Remaining
- Roadway Improvements					
Construction Traffic Control		LS	@ \$ = \$		\$ - *
Aggregate Base Course (6" @ 150 lbs/cu.ft.)	11,149.00	Tons	@ \$ \$18 = \$ 200,682.00		\$ 200,682.00 *
Asphalt Pavement (3" @ 145 lbs/cu.ft.)	5,389.00	Tons	@ \$ \$65 = \$ 350,285.00		\$ 350,285.00 *
Raised Median, Paved		SF	@ \$ \$7 = \$		\$ - *
Electrical Conduit, Size =		LF	@ \$ \$14 = \$		\$ - *
Traffic Signal, complete intersection		EA	@ \$ \$250,000 = \$		\$ - *
Regulatory Sign	13.00	EA	@ \$ \$100 = \$ 1,300.00		\$ 1,300.00 *
Advisory Sign	8.00	EA	@ \$ \$100 = \$ 800.00		\$ 800.00 *
Guide/Street Name Sign	26.00	EA	@ \$ \$100 = \$ 2,600.00		\$ 2,600.00 *
Epoxy Pavement Marking	2,143.00	SF	@ \$ \$12 = \$ 25,716.00		\$ 25,716.00 *
Thermoplastic Pavement Marking	136.00	SF	@ \$ \$22 = \$ 2,992.00		\$ 2,992.00 *
Barricade - Type 3	2.00	EA	@ \$ \$115 = \$ 230.00		\$ 230.00 *
Delineator (Type I)		EA	@ \$ \$21 = \$		\$ - *
Curb and Gutter, Type C (Ramp)	11,324.00	LF	@ \$ \$21 = \$ 237,804.00		\$ 237,804.00 *
Curb and Gutter, Type A (6" Vertical)	6,264.00	LF	@ \$ \$16 = \$ 100,224.00		\$ 100,224.00 *
Curb and Gutter, Type B (Median)		LF	@ \$ \$13 = \$		\$ - *
5' Pedestrian Ramp	281.20	SY	@ \$ \$108 = \$ 30,369.60		\$ 30,369.60 *
6' Pedestrian Ramp	72.00	SY	@ \$ \$108 = \$ 7,776.00		\$ 7,776.00 *
Mid Block Pedestrian Ramp	90.80	SY	@ \$ \$108 = \$ 9,806.40		\$ 9,806.40 *

SF-16-7


Cross Pan	224.40	SY	@	\$ 53	=	\$ 11,893.20		\$ 11,893.20 *
Curb Chase		EA	@	\$ 1,300	=	\$		\$ - *
- Storm Drain Improvements								
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$		\$ - *
Reinforced Concrete Pipe (RCP) Size		LF	@	\$	=	\$		\$ - *
18" Reinforced Concrete Pipe	68.00	LF	@	\$ 69	=	\$ 4,692.00		\$ 4,692.00 *
24" Reinforced Concrete Pipe	54.00	LF	@	\$ 84	=	\$ 4,536.00	50	\$ 2,268.00 *
30" Reinforced Concrete Pipe	28.00	LF	@	\$ 94	=	\$ 2,632.00	80	\$ 526.40 *
36" Reinforced Concrete Pipe	56.00	LF	@	\$ 124	=	\$ 6,944.00	80	\$ 1,388.80 *
42" Reinforced Concrete Pipe	697.00	LF	@	\$ 134	=	\$ 93,398.00		\$ 93,398.00 *
48" Reinforced Concrete Pipe	991.00	LF	@	\$ 178	=	\$ 176,398.00	80	\$ 35,279.60 *
Flared End Section (FES) RCP 48"	2.00	EA	@	\$ 650	=	\$ 1,300.00	50	\$ 650.00 *
End Treatment - Cutoff Wall	2.00	EA	@	\$ 1,000	=	\$ 2,000.00		\$ 2,000.00 *
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$ 3,791	=	\$		\$ - *
Curb Inlet (Type R) L=5', 5'-10' Depth	1.00	EA	@	\$ 5,044	=	\$ 5,044.00	80	\$ 1,008.80 *
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	4.00	EA	@	\$ 6,694	=	\$ 26,776.00	75	\$ 6,694.00 *
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	1.00	EA	@	\$ 8,000	=	\$ 8,000.00		\$ 8,000.00 *
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	3.00	EA	@	\$ 8,830	=	\$ 26,490.00	66	\$ 9,006.60 *
Curb Inlet (Type R) L = , ' - ' Depth		EA	@	\$	=	\$		\$ - *
Curb Inlet (Type R) L = , ' - ' Depth		EA	@	\$	=	\$		\$ - *
Grated Inlet (Type C), < 5' deep		EA	@	\$ 3,270	=	\$		\$ - *
Temp. CMP Inlet	2.00	EA	@	\$ 2,800	=	\$ 5,600.00		\$ 5,600.00 *
Storm Sewer Manhole, Box Base, Depth < 15 feet	1.00	EA	@	\$ 8,592	=	\$ 8,592.00	80	\$ 1,718.40 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	5.00	EA	@	\$ 4,575	=	\$ 22,875.00	40	\$ 13,725.00 *
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$		\$ - *
Rip Rap, d50 Size from 6" to 24"	98.10	CY	@	\$ 98	=	\$ 9,613.80		\$ 9,613.80 *
Rip Rap, Grouted		CY	@	\$ 215	=	\$		\$ - *
Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$		\$ - *
Channel Lining, Concrete	124.60	CY	@	\$ 450	=	\$ 56,070.00		\$ 56,070.00 *
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	@	\$	=	\$		\$ - *
* 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								
Section 2 Subtotal						\$ 1,443,439.00		\$ 1,234,117.60 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price			% Compleat	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 (5')	8,476.00	SY	@	\$ 38	=	\$ 322,088.00	\$ 322,088.00	
Concrete Sidewalk (6')	2,131.00	SY	@	\$ 38	=	\$ 80,978.00	\$ 80,978.00	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
- Storm Drain Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
Modification to Pond E Outlet Structure	1.00	LS	@	\$ 1,000	=	\$ 1,000.00	\$ 1,000.00	
			@	\$	=	\$	\$ -	
			@	\$	=	\$	\$ -	
- Water System Improvements								
Water Main Pipe (PVC), Size 8"	5,937.00	LF	@	\$ 94	=	\$ 558,078.00	40 \$ 334,846.80	
Water Main Pipe (PVC), Size 12"	2,753.00	LF	@	\$ 115	=	\$ 316,595.00	50 \$ 158,297.50	
Raw Water Main Pipe (PVC), Size 14"	3,495.00	LF	@	\$ 120	=	\$ 419,400.00	\$ 419,400.00	
Raw Water Main Pipe (PVC), Size 12"	5,975.00	LF	@	\$ 115	=	\$ 687,125.00	\$ 687,125.00	
Raw Water Main Pipe (PVC), Size 6"	829.00	LF	@	\$ 89	=	\$ 73,781.00	\$ 73,781.00	
Gate Valves, 6"	2.00	EA	@	\$ 1,600	=	\$ 3,200.00	\$ 3,200.00	
Gate Valves, 8"	21.00	EA	@	\$ 1,852	=	\$ 38,892.00	40 \$ 23,335.20	
Butterfly Valves, 12"	16.00	EA	@	\$ 2,000	=	\$ 32,000.00	25 \$ 24,000.00	
Butterfly Valves, 14"	3.00	EA	@	\$ 2,100	=	\$ 6,300.00	\$ 6,300.00	
Fire Hydrant Assembly w/ all valves	21.00	EA	@	\$ 6,430	=	\$ 135,030.00	40 \$ 81,018.00	
Water Service Line Installation, including tap and valves	222.00	EA	@	\$ 1,253	=	\$ 278,166.00	40 \$ 166,899.60	
Pump Station, complete	1.00	EA	@	\$ 50,000	=	\$ 100,000.00	\$ 100,000.00	
Air/Vac Valve & Vault, complete	3.00	EA	@	\$ 3,500	=	\$ 10,500.00	\$ 10,500.00	
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"	7,572.00	LF	@	\$ 94	=	\$ 711,768.00	45 \$ 391,472.40	
Sanitary Sewer Manhole, Depth < 15 feet	22.00	EA	@	\$ 4,575	=	\$ 100,650.00	50 \$ 50,325.00	
Sanitary Service Line Installation, complete	221.00	EA	@	\$ 1,516	=	\$ 335,036.00	45 \$ 184,269.80	
Sewer Main Pipe (PVC), Size 15"	446.00	LF	@	\$ 96	=	\$ 42,816.00	100 \$ -	
- 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		=	\$ 4,253,403.00	3,118,836.30

Financial Assurance Totals	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ 1,000
(Inc. survey to verify detention pond volumes.)	Total Construction Final \$7,238,966.80
	(Sum of all section subtotals)
	Total Remaining Constructor 4,703,399.30
	(Sum of all section totals less credit for items complete)
	Total Defect Warranty Fin \$592,259.56
(20% of all items identified as public improvements(*). To be collateralized at time of preli	

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.



THOMAS A. KERBY, PE
Engineer


31429

4-17-17

Date

April 13, 2017

Date

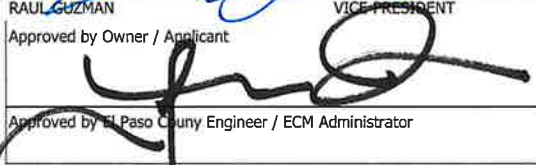


RAUL GUZMAN
VICE PRESIDENT

Approved by Owner / Applicant

19 APRIL 2017

Date



Approved by El Paso County Engineer / ECM Administrator