

# 2015 Financial Assurance Estimate Form (with pre-plate construction)

3/17/2015

<b>Project Information</b>	
<b>Windingwalk Filing 2 at Meridian Ranch</b>	<b>6/28/2018</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Compleat	Remaining
Earthwork*	1,330	CY @	\$ 5	=	\$ 6,650	\$ 6,650 *
Permanent Seeding*	0.3	AC @	\$ 582	=	\$ 146	\$ 146 *
Mulching*	0.3	AC @	\$ 507	=	\$ 127	\$ 127 *
Permanent Erosion Control Blanket*		SY @	\$ 6	=	\$ -	\$ - *
Temporary Erosion Control Blanket	200	SY @	\$ 3	=	\$ 600	\$ 600
Vehicle Tracking Control	1	EA @	\$ 1,625	=	\$ 1,625	\$ 1,625
Safety Fence		LF @	\$ 3	=	\$ -	\$ -
Silt Fence		LF @	\$ 4	=	\$ -	\$ -
Temporary Seeding		AC @	\$ 485	=	\$ -	\$ -
Temporary Mulch		AC @	\$ 507	=	\$ -	\$ -
Erosion Bales		EA @	\$ 21	=	\$ -	\$ -
Erosion Logs		LF @	\$ 6	=	\$ -	\$ -
Rip Rap, d50 Size from 6" to 24"		CY @	\$ 98	=	\$ -	\$ - *
Rock Ditch Checks		EA @	\$ -	=	\$ -	\$ -
Inlet Protection	9	EA @	\$ 153	=	\$ 1,377	\$ 1,377
Sediment Basin		EA @	\$ 1,625	=	\$ -	\$ -
Concrete Washout Basin	1	EA @	\$ 776	=	\$ 776	\$ 776
Detention Basin Outlet Structures		@	\$ 10,000	=	\$ -	\$ -
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.						
<b>Section 1 Subtotal</b>				=	\$ 11,300	\$ 11,300

Section 2 - Public Improvements**	Quantity	Units	Price		% Compleat	Remaining
<b>- Roadway Improvements</b>						
Construction Traffic Control		LS @	\$ 5,000	=	\$ -	\$ - *
Concrete Treated Subgrade (8")	20,674.0	SY @	\$ 6	=	\$ 124,044	\$ 124,044 *
Asphalt Pavement (4" @ 145 lbs/cu.ft.)	4,496.0	Tons @	\$ 65	=	\$ 292,240	\$ 292,240 *
Raised Median, Paved		SF @	\$ 7	=	\$ -	\$ - *
Electrical Conduit, Size =		LF @	\$ 14	=	\$ -	\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	=	\$ -	\$ - *
Regulatory Sign	9.0	EA @	\$ 100	=	\$ 900	\$ 900 *
Advisory Sign		EA @	\$ 100	=	\$ -	\$ - *
Guide/Street Name Sign	8.0	EA @	\$ 100	=	\$ 800	\$ 800 *
Epoxy Pavement Marking	2,750.0	SF @	\$ 12	=	\$ 33,000	\$ 33,000 *
Thermoplastic Pavement Marking		SF @	\$ 22	=	\$ -	\$ - *
Barricade - Type 3		EA @	\$ 115	=	\$ -	\$ - *
Delineator (Type I)		EA @	\$ 21	=	\$ -	\$ - *
Curb and Gutter, Type C (Ramp)	3,758.0	LF @	\$ 21	=	\$ 78,918	\$ 78,918 *
Curb and Gutter, Type A (6" Vertical)	5,726.0	LF @	\$ 16	=	\$ 91,616	\$ 91,616 *
Curb and Gutter, Type B (Median)		LF @	\$ 13	=	\$ -	\$ - *
5' Pedestrian Ramp	90.0	SY @	\$ 108	=	\$ 9,720	\$ 9,720 *
6' Pedestrian Ramp		SY @	\$ 108	=	\$ -	\$ - *
Mid Block Pedestrian Ramp	23.0	SY @	\$ 108	=	\$ 2,484	\$ 2,484 *

Cross Pan	119.0	SY	@	\$ 53	=	\$ 6,307	\$ 6,307 *
Curb Chase		EA	@	\$ 1,300	=	\$	\$ - *
<b>- Storm Drain Improvements</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF	@	\$	=	\$	\$ - *
Reinforced Concrete Pipe (RCP) Size		LF	@	\$	=	\$	\$ - *
18" Reinforced Concrete Pipe	54.0	LF	@	\$ 69	=	\$ 3,726	\$ 3,726 *
24" Reinforced Concrete Pipe	276.0	LF	@	\$ 84	=	\$ 23,184	\$ 23,184 *
30" Reinforced Concrete Pipe	613.0	LF	@	\$ 94	=	\$ 57,622	\$ 57,622 *
36" Reinforced Concrete Pipe		LF	@	\$ 124	=	\$	\$ - *
42" Reinforced Concrete Pipe	80.5	LF	@	\$ 134	=	\$ 10,787	\$ 10,787 *
48" Reinforced Concrete Pipe		LF	@	\$ 178	=	\$	\$ - *
54" Reinforced Concrete Pipe		LF	@	\$ 182	=	\$	\$ - *
Flared End Section (FES)	2.0	EA	@	\$ 650	=	\$ 1,300	\$ 1,300 *
End Treatment - Cutoff Wall		EA	@	\$ 1,000	=	\$	\$ - *
Curb Inlet (Type R) L=5', Depth < 5 feet	1.0	EA	@	\$ 3,791	=	\$ 3,791	\$ 3,791 *
Curb Inlet (Type R) L=5', 5'-10' Depth	1.0	EA	@	\$ 5,044	=	\$ 5,044	\$ 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	4.0	EA	@	\$ 6,694	=	\$ 26,776	\$ 26,776 *
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	=	\$	\$ - *
Temp. CMP Inlet		EA	@	\$ 2,800	=	\$	\$ - *
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	\$ 8,592	=	\$	\$ - *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	3.0	EA	@	\$ 4,575	=	\$ 13,725	\$ 13,725 *
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$	\$ - *
Rip Rap, d50 Size from 6" to 24"	20.3	CY	@	\$ 98	=	\$ 1,989	\$ 1,989 *
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	=	\$	\$ - *
Sub-Regional Detention Pond		LS	@	\$ 220,957	=	\$	\$ - *
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					=	\$ 787,973	\$ 787,973 **
<b>Section 2 Subtotal</b>					=	\$	\$

Are the sidewalks along the public roads maintained by the district? If not, then place the public sidewalks maintained by the County under Section 2. Similar comments apply to the Enclaves FAE.

Revised

				Price			% Comple	Remaining
<b>- Roadway Improvements</b>								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
Concrete Sidewalk (5')	2,993.0	SY	@	\$ 38	=	\$ 113,734		\$ 113,734
Concrete Sidewalk (6')	1,797.0	SY	@	\$ 38	=	\$ 68,286		\$ 68,286
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
<b>- Storm Drain Improvements</b>								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
			@	\$	=	\$		\$ -
<b>- Water System Improvements</b>								
Water Main Pipe (PVC), Size 8"	1,824.0	LF	@	\$ 94	=	\$ 171,456		\$ 171,456
Gate Valves, 8"	5.0	EA	@	\$ 1,852	=	\$ 9,260		\$ 9,260
Fire Hydrant Assembly w/ all valves	5.0	EA	@	\$ 6,430	=	\$ 32,150		\$ 32,150
Water Service Line Installation, including tap and valves	40.0	EA	@	\$ 1,253	=	\$ 50,120		\$ 50,120
Pump Station, complete		EA	@	\$ 50,000	=	\$		\$ -
Air/Vac Valve & Vault, complete		EA	@	\$ 3,500	=	\$		\$ -
<b>- Sanitary Sewer Improvements</b>								
Sewer Main Pipe (PVC), Size 8"	2,364.0	LF	@	\$ 94	=	\$ 222,216		\$ 222,216
Sanitary Sewer Manhole, Depth < 15 feet	11.0	EA	@	\$ 4,575	=	\$ 50,325		\$ 50,325
Sanitary Service Line Installation, complete	45.0	EA	@	\$ 1,516	=	\$ 68,220		\$ 68,220
Sewer Main Pipe (PVC), Size 15"		LF	@	\$ 96	=	\$		\$ -
<b>- Landscaping (If Applicable)</b>								
(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								
<b>Section 3 Subtotal</b>					=	\$ 785,767		\$ 785,767

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$1,000</u>
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( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b><u>\$1,586,041</u></b>
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(Sum of all section subtotals)

	<b>Total Remaining Construction Financial Assurance</b>	<b><u>\$1,586,041</u></b>
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(Sum of all section totals less credit for items complete)

	<b>Total Defect Warranty Financial Assurance</b>	<b><u>\$158,979</u></b>
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(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.

THOMAS A. KERBY, PE	31429	Date
Engineer	(P.E. Seal)	

RAUL GUZMAN	VICE PRESIDENT	Date
Approved by Owner / Applicant		

Approved by El Paso County Engineer / ECM Administrator	Date
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