

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

3/17/2015

<b>Project Information</b>	
<b>Windingwalk Filing 1 at Meridian Ranch</b>	<b>12/12/2017</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Compleat	Remaining
Earthwork*	459,000.000	CY @	\$ 5	=	\$ 2,295,000	\$ 2,295,000 *
Permanent Seeding*	163.900	AC @	\$ 582	=	\$ 95,390	\$ 95,390 *
Mulching*	163.900	AC @	\$ 507	=	\$ 83,097	\$ 83,097 *
Permanent Erosion Control Blanket*		SY @	\$ 6	=	\$	\$ - *
Temporary Erosion Control Blanket	15,495.000	SY @	\$ 3	=	\$ 46,485	\$ 46,485
Vehicle Tracking Control	1.000	EA @	\$ 1,625	=	\$ 1,625	\$ 1,625
Safety Fence		LF @	\$ 3	=	\$	\$ -
Silt Fence	6,811.000	LF @	\$ 4	=	\$ 27,244	\$ 27,244
Temporary Seeding		AC @	\$ 485	=	\$	\$ -
Temporary Mulch		AC @	\$ 507	=	\$	\$ -
Erosion Bales	871.000	EA @	\$ 21	=	\$ 18,291	\$ 18,291
Erosion Logs	1,328.000	LF @	\$ 6	=	\$ 7,968	\$ 7,968
Rip Rap, d50 Size from 6" to 24"	1,218.000	CY @	\$ 98	=	\$ 119,364	\$ 119,364 *
Rock Ditch Checks		EA @	\$	=	\$	\$ -
Inlet Protection	26.000	EA @	\$ 153	=	\$ 3,978	\$ 3,978
Sediment Basin		EA @	\$ 1,625	=	\$	\$ -
Concrete Washout Basin	1.000	EA @	\$ 776	=	\$ 776	\$ 776
Detention Basin Outlet Structures	3.000	@	\$ 10,000	=	\$ 30,000	\$ 30,000
* 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>				=	\$ 2,729,218	\$ 2,729,218

Provide a cost. Proposed restriping of Stapleton will require traffic control.

Section 2 - Public Improvements**	Quantity	Units		% Compleat	Remaining	
<b>- Roadway Improvements</b>						
Construction Traffic Control		LS			\$ - *	
Aggregate Base Course (8" @ 150 lbs/cu.ft.)	29,715.0	Tons @	\$ 18	=	\$ 534,870	\$ 534,870 *
Asphalt Pavement (3" @ 145 lbs/cu.ft.)	10,772.0	Tons @	\$ 65	=	\$ 700,180	\$ 700,180 *
Raised Median, Paved		SF @	\$ 7	=	\$	\$ - *
Electrical Conduit, Size =		LF @	\$ 14	=	\$	\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	=	\$	\$ - *
Regulatory Sign	21.0	EA @	\$ 100	=	\$ 2,100	\$ 2,100 *
Advisory Sign	9.0	EA @	\$ 100	=	\$ 900	\$ 900 *
Guide/Street Name Sign	19.0	EA @	\$ 100	=	\$ 1,900	\$ 1,900 *
Epoxy Pavement Marking	5,702.0	SF @	\$ 12	=	\$ 68,424	\$ 68,424 *
Thermoplastic Pavement Marking	72.0	SF @	\$ 22	=	\$ 1,584	\$ 1,584 *
Barricade - Type 3	8.0	EA @	\$ 115	=	\$ 920	\$ 920 *
Delineator (Type I)		EA @	\$ 21	=	\$	\$ - *
Curb and Gutter, Type C (Ramp)	19,734.0	LF @	\$ 21	=	\$ 414,414	\$ 414,414 *
Curb and Gutter, Type A (6" Vertical)	14,150.0	LF @	\$ 16	=	\$ 226,400	\$ 226,400 *
Curb and Gutter, Type B (Median)		LF @	\$ 13	=	\$	\$ - *
5' Pedestrian Ramp	439.0	SY @	\$ 108	=	\$ 47,412	\$ 47,412 *
6' Pedestrian Ramp	320.0	SY @	\$ 108	=	\$ 34,560	\$ 34,560 *
Mid Block Pedestrian Ramp	135.0	SY @	\$ 108	=	\$ 14,580	\$ 14,580 *

Cross Pan	236.0	SY	@	\$ 53	=	\$ 12,508	\$ 12,508 *
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	1,600.0	LF	@	\$ 69	=	\$ 110,400	\$ 110,400 *
24" Reinforced Concrete Pipe	1,310.0	LF	@	\$ 84	=	\$ 110,040	\$ 110,040 *
30" Reinforced Concrete Pipe	1,215.0	LF	@	\$ 94	=	\$ 114,210	\$ 114,210 *
36" Reinforced Concrete Pipe	902.0	LF	@	\$ 124	=	\$ 111,848	\$ 111,848 *
42" Reinforced Concrete Pipe(62' from grading)	1,309.0	LF	@	\$ 134	=	\$ 175,406	\$ 175,406 *
48" Reinforced Concrete Pipe	1,277.0	LF	@	\$ 178	=	\$ 227,306	\$ 227,306 *
Flared End Section (FES) RCP(1) from grading	3.0	EA	@	\$ 650	=	\$ 1,950	\$ 1,950 *
End Treatment - Cutoff Wall		EA	@	\$ 1,000	=	\$	\$ - *
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$ 3,791	=	\$	\$ - *
Curb Inlet (Type R) L=5', 5'-10' Depth	3.0	EA	@	\$ 5,044	=	\$ 15,132	\$ 15,132 *
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	12.0	EA	@	\$ 6,694	=	\$ 80,328	\$ 80,328 *
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	7.0	EA	@	\$ 8,000	=	\$ 56,000	\$ 56,000 *
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	4.0	EA	@	\$ 8,830	=	\$ 35,320	\$ 35,320 *
Curb Inlet (Type R) L = ___' , ___' - ___' Depth		EA	@	\$	=	\$	\$ - *
Curb Inlet (Type R) L = ___' , ___' - ___' Depth		EA	@	\$	=	\$	\$ - *
Grated Inlet (Type C), < 5' deep	4.0	EA	@	\$ 3,270	=	\$ 13,080	\$ 13,080 *
Temp. CMP Inlet	1.0	EA	@	\$ 2,800	=	\$ 2,800	\$ 2,800 *
Storm Sewer Manhole, Box Base, Depth < 15 feet	6.0	EA	@	\$ 8,592	=	\$ 51,552	\$ 51,552 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	23.0	EA	@	\$ 4,575	=	\$ 105,225	\$ 105,225 *
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$	\$ - *
Rip Rap, d50 Size from 6" to 24"	42.9	CY	@	\$ 98	=	\$ 4,204	\$ 4,204 *
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	=	\$	\$ - *
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					=	\$ 3,275,553	\$ 3,275,553 **
				<b>Section 2 Subtotal</b>		\$	

Add the sub-regional pond. Cost must equal either the engineer's estimate or the DBPS cost estimate listed in the FDR, whichever is lesser.



**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>\$11,509,468</u></b>
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(Sum of all section subtotals)

	<b>Total Remaining Construction Financial Assurance</b>	<b><u>\$11,509,468</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>\$1,149,808</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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# Markup Summary

dsdlaforce (2)

**Subject:** Callout  
**Page Label:** 1  
**Lock:** Unlocked  
**Author:** dsdlaforce

Provide a cost. Proposed restriping of Stapleton will require traffic control.

**Subject:** Callout  
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Add the sub-regional pond. Cost must equal either the engineer's estimate or the DBPS cost estimate listed in the FDR, whichever is lesser.