

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

Provide mulching equal to the permanent seeding quantity

Provide quantity for construction fence

3/17/2015

<b>Project Information</b>	
<b>The Shops at Meridian Ranch Phase 2</b>	<b>5/22/2018</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	2,273	CY @	\$ 5 = \$	11,365	\$ 11,365 *
Permanent Seeding*	0.8	AC @	\$ 582 = \$	437	\$ 437 *
Mulching*		AC @	\$ 507 = \$		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ 6 = \$		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3 = \$		\$ -
Vehicle Tracking Control	1	EA @	\$ 1,625 = \$	1,625	\$ 1,625
Safety Fence		LF @	\$ 3 = \$		\$ -
Silt Fence	192	LF @	\$ 4 = \$	768	\$ 768
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	3	EA @	\$ 153 = \$	459	\$ 459
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>				\$ 15,430	\$ 15,430

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
Construction Traffic Control		LS @	\$ 5,000 = \$		\$ - *
Aggregate Base Course (8" @ 150 lbs/cu.ft.)		Tons @	\$ 18 = \$		\$ - *
Asphalt Pavement (3" @ 145 lbs/cu.ft.)		Tons @	\$ 65 = \$		\$ - *
Raised Median, Paved		SF @	\$ 7 = \$		\$ - *
Electrical Conduit, Size =		LF @	\$ 14 = \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000 = \$		\$ - *
Regulatory Sign	1.0	EA @	\$ 100 = \$	100	\$ 100 *
Advisory Sign		EA @	\$ 100 = \$		\$ - *
Guide/Street Name Sign		EA @	\$ 100 = \$		\$ - *
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 = \$		\$ - *
5' Pedestrian Ramp	139.0	SY @	\$ 108 = \$	15,012	\$ 15,012 *
6' Pedestrian Ramp		SY @	\$ 108 = \$		\$ - *
Mid Block Pedestrian Ramp		SY @	\$ 108 = \$		\$ - *

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Cross Pan	430.0	SY	@	\$ 53	=	\$ 22,790	\$ 22,790 *
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		LF	@	\$ 69	=	\$	\$ - *
24" Reinforced Concrete Pipe		LF	@	\$ 84	=	\$	\$ - *
30" Reinforced Concrete Pipe		LF	@	\$ 94	=	\$	\$ - *
36" Reinforced Concrete Pipe		LF	@	\$ 124	=	\$	\$ - *
42" Reinforced Concrete Pipe(62' from grading)		LF	@	\$ 134	=	\$	\$ - *
48" Reinforced Concrete Pipe		LF	@	\$ 178	=	\$	\$ - *
54" Reinforced Concrete Pipe		LF	@	\$ 182	=	\$	\$ - *
Flared End Section (FES) RCP(1) from grading		EA	@	\$ 650	=	\$	\$ - *
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		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) 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		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	@	\$	=	\$	\$ - *
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							
				<b>Section 2 Subtotal</b>	=	\$ 37,902	\$ 37,902 **

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>	<b>% Comple</b>	<b>Remaining</b>
<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')	88.0	SY	\$ 38	=	\$ 3,344
Concrete Sidewalk (6')		SY	\$ 38	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
<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"		LF	\$ 94	=	\$ -
Water Main Pipe (PVC), Size 10"		LF	\$ 105	=	\$ -
Water Main Pipe (PVC), Size 12"		LF	\$ 115	=	\$ -
Raw Water Main Pipe (PVC), Size 12"		LF	\$ 115	=	\$ -
Raw Water Main Pipe (PVC), Size 6"		LF	\$ 89	=	\$ -
Gate Valves, 8"		EA	\$ 1,852	=	\$ -
Gate Valves, 10"		EA	\$ 1,925	=	\$ -
Gate Valves, 12"		EA	\$ 2,000	=	\$ -
Butterfly Valves, 14"		EA	\$ 2,100	=	\$ -
Fire Hydrant Assembly w/ all valves		EA	\$ 6,430	=	\$ -
Water Service Line Installation, including tap and valves		EA	\$ 1,253	=	\$ -
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"		LF	\$ 94	=	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,575	=	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,516	=	\$ -
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>				=	\$ 3,344
					\$ 3,344

Remove this item since there is no proposed detention ponds requiring pond volume verification.

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	<u>\$1,000</u>
( Inc. survey to verify detention pond volumes.)		
<b>Total Construction Financial Assurance</b>		<b><u>\$57,676</u></b>
(Sum of all section subtotals)		
<b>Total Remaining Construction Financial Assurance</b>		<b><u>\$57,676</u></b>
(Sum of all section totals less credit for items complete)		
<b>Total Defect Warranty Financial Assurance</b>		<b><u>\$9,941</u></b>
(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 Engineer	(P.E. Seal)	31429	Date
RAUL GUZMAN	VICE PRESIDENT		Date
Approved by Owner / Applicant			
Approved by El Paso County Engineer / ECM Administrator			Date

# Markup Summary

dsdgrimm (4)

Add File  
"PPR18033"

**Subject:** Engineer  
**Page Label:** 1  
**Author:** dsdgrimm  
**Date:** 8/2/2018 8:39:58 AM  
**Color:** ■

Add File "PPR18033"

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

Provide mulching equal to the permanent seeding quantity.

Item	Quantity	Unit	Price	Amount
1.0000	1.00	sq ft	1.00	1.00
2.0000	2.00	sq ft	2.00	4.00
3.0000	3.00	sq ft	3.00	9.00
4.0000	4.00	sq ft	4.00	16.00
5.0000	5.00	sq ft	5.00	25.00
6.0000	6.00	sq ft	6.00	36.00
7.0000	7.00	sq ft	7.00	49.00
8.0000	8.00	sq ft	8.00	64.00
9.0000	9.00	sq ft	9.00	81.00
10.0000	10.00	sq ft	10.00	100.00

**Subject:** Engineer  
**Page Label:** 1  
**Author:** dsdgrimm  
**Date:** 8/6/2018 2:55:34 PM  
**Color:** ■

Provide mulching equal to the permanent seeding quantity

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

Provide quantity for construction fence

Item	Quantity	Unit	Price	Amount
1.0000	1.00	sq ft	1.00	1.00
2.0000	2.00	sq ft	2.00	4.00
3.0000	3.00	sq ft	3.00	9.00
4.0000	4.00	sq ft	4.00	16.00
5.0000	5.00	sq ft	5.00	25.00
6.0000	6.00	sq ft	6.00	36.00
7.0000	7.00	sq ft	7.00	49.00
8.0000	8.00	sq ft	8.00	64.00
9.0000	9.00	sq ft	9.00	81.00
10.0000	10.00	sq ft	10.00	100.00

**Subject:** Engineer  
**Page Label:** 1  
**Author:** dsdgrimm  
**Date:** 8/6/2018 2:55:44 PM  
**Color:** ■

Provide quantity for construction fence

Remove this item since there is no proposed detention ponds requiring pond volume verification.

Item	Quantity	Unit	Price	Amount
1.0000	1.00	sq ft	1.00	1.00
2.0000	2.00	sq ft	2.00	4.00
3.0000	3.00	sq ft	3.00	9.00
4.0000	4.00	sq ft	4.00	16.00
5.0000	5.00	sq ft	5.00	25.00
6.0000	6.00	sq ft	6.00	36.00
7.0000	7.00	sq ft	7.00	49.00
8.0000	8.00	sq ft	8.00	64.00
9.0000	9.00	sq ft	9.00	81.00
10.0000	10.00	sq ft	10.00	100.00

MENTS) \$ 1,000  
 Total Construction Financial Assurance \$57,676  
 (Sum of all section subtotals)  
 Remaining Construction Financial Assurance \$57,676  
 (Sum of all section totals less credit for items removed)

**Subject:** Engineer  
**Page Label:** 4  
**Author:** dsdgrimm  
**Date:** 8/6/2018 4:11:47 PM  
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Remove this item since there is no proposed detention ponds requiring pond volume verification.