

Adjust significant digits and rounding so that the numbers add up when multiplied as shown on the spreadsheet.

2019 Financial Assurance Estimate Form

include maintenance

(with pre-plat construction)

Updated: 4/18/2019

PROJECT INFORMATION		
FALCON MARKETPLACE	7/22/2019	SF-9-001
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min	78,000	CY	\$ 2.50	=	\$ 195,000.00		\$ 195,000.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	10.4	10 AC	\$ 800.00	=	\$ 8,320.00		\$ 8,320.00
* Mulching	10	10 AC	\$ 750.00	=	\$ 7,800.00		\$ 7,800.00
* Permanent Erosion Control Blanket	5,900	SY	\$ 6.00	=	\$ 35,400.00		\$ 35,400.00
* Permanent Pond/BMP Construction (SR4)	5,000	CY	\$ 20.00	=	\$ 100,000.00		\$ 100,000.00
* Permanent Pond/BMP Construction (Ponds 2&3)	3,000	CY	\$ 20.00	=	\$ 60,000.00		\$ 60,000.00
* Permanent Pond/BMP (Spillway) (SR4)	1	EA	\$ 40,000.00	=	\$ 40,000.00		\$ 40,000.00
* Permanent Pond/BMP (Spillway) (Ponds 2&3)	2	EA	\$ 10,000.00	=	\$ 20,000.00		\$ 20,000.00
* Permanent Pond/BMP (Outlet Structure) (SR4)	1	EA	\$ 50,000.00	=	\$ 50,000.00		\$ 50,000.00
* Permanent Pond/BMP (Outlet Structure) (Ponds 2&3)	2	EA	\$ 12,000.00	=	\$ 24,000.00		\$ 24,000.00
Safety Fence	5,000	LF	\$ 3.00	=	\$ 15,000.00		\$ 15,000.00
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,370.00	=	\$ 2,370.00		\$ 2,370.00
Silt Fence	4,900	LF	\$ 2.50	=	\$ 12,250.00		\$ 12,250.00
Temporary Seeding	22	AC	\$ 628.00	=	\$ 13,690.40		\$ 13,690.40
Temporary Mulch	22	AC	\$ 750.00	=	\$ 16,350.00		\$ 16,350.00
Erosion Bales	31	EA	\$ 25.00	=	\$ 775.00		\$ 775.00
Erosion Logs/Straw Waddle	115	LF	\$ 5.00	=	\$ 575.00		\$ 575.00
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -
Inlet Protection	14	EA	\$ 167.00	=	\$ 2,338.00		\$ 2,338.00
Sediment Basin	4	EA	\$ 1,762.00	=	\$ 7,048.00		\$ 7,048.00
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00		\$ 900.00
Pond SR4 Clay Liner	3,200	SY	\$ 2.50	=	\$ 8,000.00		\$ 8,000.00
Pond SR4 Stabilized Access Road	38,880	SF	\$ 0.50	=	\$ 19,440.00		\$ 19,440.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					\$ 29,307.74		\$ 29,307.74
Section 1 Subtotal					\$ 668,564.14		\$ 639,256.40

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS

Construction Traffic Control	1	LS	\$ 35,000.00	=	\$ 35,000.00		\$ 35,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	2,232	CY	\$ 50.00	=	\$ 111,600.00		\$ 111,600.00
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)	13,392	SY	\$ 19.00	=	\$ 254,448.00		\$ 254,448.00
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 10" thick	1,750	Tons	\$ 88.00	=	\$ 154,000.00		\$ 154,000.00
Raised Median, Paved	16,802	SF	\$ 8.00	=	\$ 134,416.00		\$ 134,416.00
Regulatory Sign/Advisory Sign	22	EA	\$ 300.00	=	\$ 6,600.00		\$ 6,600.00
Guide/Street Name Sign	2	EA		=	\$ -		\$ -
Epoxy Pavement Marking	3,150	SF	\$ 13.00	=	\$ 40,950.00		\$ 40,950.00
Thermoplastic Pavement Marking	1,500	SF	\$ 23.00	=	\$ 34,500.00		\$ 34,500.00
Barricade - Type 3	9	EA	\$ 200.00	=	\$ 1,800.00		\$ 1,800.00
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	6,493	LF	\$ 30.00	=	\$ 194,790.00		\$ 194,790.00
Curb and Gutter, Type B (Median)	2,372	LF	\$ 30.00	=	\$ 71,160.00		\$ 71,160.00
Curb and Gutter, Type C (Ramp)		LF	\$ 30.00	=	\$ -		\$ -
4" Sidewalk (common areas only)	3,449	SY	\$ 48.00	=	\$ 165,552.00		\$ 165,552.00
5" Sidewalk		SY	\$ 60.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -
Pedestrian Ramp	47	EA	\$ 1,150.00	=	\$ 54,050.00		\$ 54,050.00
Cross Pan, local (8" thick, 6' wide to include return)	630	LF	\$ 61.00	=	\$ 38,430.00		\$ 38,430.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	=	\$ -		\$ -
Curb Chase	2	EA	\$ 1,480.00	=	\$ 2,960.00		\$ 2,960.00
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 72.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,098.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,767.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	=	\$ -		\$ -

Is guardrail required along Woodmen Road?

PROJECT INFORMATION			
FALCON MARKETPLACE	7/22/2019	SF-9-001	
Project Name	Date	PCD File No.	

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining	
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	=	\$ -		\$ -	*
Electrical Conduit, Size =		LF	\$ 16.00	=	\$ -		\$ -	*
Traffic Signal, complete intersection	1	EA	\$ 425,000	=	\$ 425,000.00		\$ 425,000.00	*
[insert items not listed but part of construction plans]				=	\$ -		\$ -	*
STORM DRAIN IMPROVEMENTS								
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -	*
18" Reinforced Concrete Pipe	850	LF	\$ 65.00	=	\$ 55,263.00		\$ 55,263.00	*
24" Reinforced Concrete Pipe	1,475	LF	\$ 78.00	=	\$ 115,034.40		\$ 115,034.40	*
30" Reinforced Concrete Pipe	581	LF	\$ 97.00	=	\$ 56,347.30		\$ 56,347.30	*
36" Reinforced Concrete Pipe	326	LF	\$ 120.00	=	\$ 39,144.00		\$ 39,144.00	*
42" Reinforced Concrete Pipe	247	LF	\$ 160.00	=	\$ 39,536.00		\$ 39,536.00	*
48" Reinforced Concrete Pipe	21	LF	\$ 195.00	=	\$ 4,095.00		\$ 4,095.00	*
54" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -	*
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -	*
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$ -		\$ -	*
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$ -		\$ -	*
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ -		\$ -	*
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$ -		\$ -	*
30" Corrugated Steel Pipe		LF	\$ 122.00	=	\$ -		\$ -	*
36" Corrugated Steel Pipe		LF	\$ 147.00	=	\$ -		\$ -	*
42" Corrugated Steel Pipe		LF	\$ 168.00	=	\$ -		\$ -	*
48" Corrugated Steel Pipe		LF	\$ 178.00	=	\$ -		\$ -	*
54" Corrugated Steel Pipe		LF	\$ 260.00	=	\$ -		\$ -	*
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$ -		\$ -	*
66" Corrugated Steel Pipe		LF	\$ 340.00	=	\$ -		\$ -	*
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$ -		\$ -	*
78" Corrugated Steel Pipe		LF	\$ 460.00	=	\$ -		\$ -	*
84" Corrugated Steel Pipe		LF	\$ 550.00	=	\$ -		\$ -	*
Flared End Section (FES) RCP Size = 18" (unit cost = 6x pipe unit cost)	4	EA	\$ 390.00	=	\$ 1,560.00		\$ 1,560.00	*
Flared End Section (FES) RCP Size = 24" (unit cost = 6x pipe unit cost)	1	EA	\$ 468.00	=	\$ 468.00		\$ 468.00	*
Flared End Section (FES) CSP Size = 30" (unit cost = 6x pipe unit cost)	1	EA	\$ 103.00	=	\$ 103.00		\$ 103.00	*
End Treatment- Headwall	1	EA	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00	*
End Treatment- Wingwall	1	EA	\$ 9,000.00	=	\$ 9,000.00		\$ 9,000.00	*
End Treatment - Cutoff Wall	1	EA	\$ 500.00	=	\$ 500.00		\$ 500.00	*
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2	EA	\$ 7,188.00	=	\$ 14,376.00		\$ 14,376.00	*
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,627.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	10	EA	\$ 7,861.00	=	\$ 78,610.00		\$ 78,610.00	*
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 9,918.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 10,633.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,570.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	=	\$ -		\$ -	*
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	=	\$ -		\$ -	*
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -		\$ -	*
Storm Sewer Manhole, Box Base	6	EA	\$ 11,627.00	=	\$ 69,762.00		\$ 69,762.00	*
Storm Sewer Manhole, Slab Base	8	EA	\$ 6,395.00	=	\$ 51,160.00		\$ 51,160.00	*
Geotextile (Erosion Control)	1,000	SY	\$ 6.00	=	\$ 6,000.00		\$ 6,000.00	*
Rip Rap, d50 size from 6" to 24"	1,125	Tons	\$ 80.00	=	\$ 90,000.00		\$ 90,000.00	*
Rip Rap, Grouted	685	Tons	\$ 95.00	=	\$ 65,075.00		\$ 65,075.00	*
Drainage Channel Construction, Size (40 W x 4 H)	800	LF	\$ 20.00	=	\$ 16,000.00		\$ 16,000.00	*
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$ -		\$ -	*
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	=	\$ -		\$ -	*
Drainage Channel Lining, Grass	1	AC	\$ 1,469.00	=	\$ 1,101.75		\$ 1,101.75	*
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -	*
96" Reinforced Concrete Pipe	1,060	LF	\$ 700.00	=	\$ 742,000.00		\$ 742,000.00	*
36" RCP Bend	1	EA	\$ 1,500.00	=	\$ 1,500.00		\$ 1,500.00	*

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Project Name		Date		PCD File No.			

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
96" RCP Bend	1	EA	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 3,189,391.45	\$ 3,189,391.45

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS					(Exception: Permanent Pond/BMP shall be itemized under Section 1)		
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	1,665	LF	\$ 64.00	=	\$ 106,560.00		\$ 106,560.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"	7	EA	\$ 1,858.00	=	\$ 13,006.00		\$ 13,006.00
Fire Hydrant Assembly, w/ all valves	8	EA	\$ 6,597.00	=	\$ 52,776.00		\$ 52,776.00
Water Service Line Installation, inc. tap and valves	11	EA	\$ 1,324.00	=	\$ 14,564.00		\$ 14,564.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
Water Main Pipe (PVC), Size 12"	1,640	LF	\$ 80.00	=	\$ 131,200.00		\$ 131,200.00
Gate Valves, 12"	6	EA	\$ 2,400.00	=	\$ 14,400.00		\$ 14,400.00
Raw Water Main Pipe (PVC), Size 6"	1,720	LF	\$ 48.00	=	\$ 82,560.00		\$ 82,560.00
Gate Valves, 6"	2	EA	\$ 1,500.00	=	\$ 3,000.00		\$ 3,000.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	1,915	LF	\$ 64.00	=	\$ 122,560.00		\$ 122,560.00
Sanitary Sewer Manhole, Depth < 15 feet	7	EA	\$ 4,386.00	=	\$ 30,702.00		\$ 30,702.00
Sanitary Service Line Installation, complete	11	EA	\$ 1,402.00	=	\$ 15,422.00		\$ 15,422.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS					(For subdivision specific condition of approval, or PUD)		
Screen wall fence	720	LF	\$ 80.00	=	\$ 57,600.00		\$ 57,600.00
		EA		=	\$ -		\$ -

PROJECT INFORMATION							
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Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
		EA		=	\$ -	% Complete	Remaining
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
** - Section 3 is not subject to defect warranty requirements				Section 3 Subtotal	=	\$ 644,350.00	\$ 644,350.00
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 1.00	=	\$ 15,000.00		\$ 15,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1.00	=	\$ 10,000.00		\$ 10,000.00
Total Construction Financial Assurance						\$	4,527,305.59
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	4,497,997.85
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	741,182.29
(20% of all items identified as (*). 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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.

 Engineer (P.E. Seal Required)

 Approved by Owner / Applicant

 Date

Attach a breakdown of the offsite improvements for each area (Meridian Road north, Eastonville Road east of Meridian, Meridian Road south of Woodmen)