

2019 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 7/16/2019

PROJECT INFORMATION		
Glen at Wildfield Filing 11	12/2/2019	XX-XX-XXX
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	879	CY	\$ 8.00	=	\$ 7,032.00		\$ 7,032.00
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		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	1.0	AC	\$ 800.00	=	\$ 800.00		\$ 800.00
* Mulching	1.0	AC	\$ 750.00	=	\$ 750.00		\$ 750.00
* Permanent Erosion Control Blanket	2,416	SY	\$ 6.00	=	\$ 14,496.00		\$ 14,496.00
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -
* Permanent Pond/BMP (Spillway)		EA	\$ 3,500.00	=	\$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)		EA	\$ 9,800.00	=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,370.00	=	\$ 4,740.00		\$ 4,740.00
Silt Fence	17,500	LF	\$ 2.50	=	\$ 43,750.00		\$ 43,750.00
Temporary Seeding	29	AC	\$ 628.00	=	\$ 18,400.40		\$ 18,400.40
Temporary Mulch	29	AC	\$ 750.00	=	\$ 21,975.00		\$ 21,975.00
Erosion Bales		EA	\$ 25.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -
Inlet Protection	16	EA	\$ 167.00	=	\$ 2,672.00		\$ 2,672.00
Sediment Basin		EA	\$ 1,762.00	=	\$ -		\$ -
Concrete Washout Basin	2	EA	\$ 900.00	=	\$ 1,800.00		\$ 1,800.00
Rough Cut Street Control	1,170	LF	\$ 2.00	=	\$ 2,340.00		\$ 2,340.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					\$ 33,487.09		\$ 33,487.09
Section 1 Subtotal					\$ 152,242.49		\$ 152,242.49
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	15,532.80	Tons	\$ 28.00	=	\$ 434,918.51		\$ 434,918.51
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 19.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) <u> </u> " thick	7,191.00	Tons	\$ 88.00	=	\$ 632,808.00		\$ 632,808.00
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	6	EA	\$ 300.00	=	\$ 1,800.00		\$ 1,800.00
Guide/Street Name Sign	8	EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -
Thermoplastic Pavement Marking	724.00	SF	\$ 23.00	=	\$ 16,652.00		\$ 16,652.00
Barricade - Type 3	6	EA	\$ 200.00	=	\$ 1,200.00		\$ 1,200.00
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	2,710	LF	\$ 30.00	=	\$ 81,300.00		\$ 81,300.00
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	8,169	LF	\$ 30.00	=	\$ 245,070.00		\$ 245,070.00
4" Sidewalk (common areas only)	6,719	SY	\$ 48.00	=	\$ 322,512.00		\$ 322,512.00
5" Sidewalk		SY	\$ 60.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,150.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)	976.00	LF	\$ 61.00	=	\$ 59,536.00		\$ 59,536.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,480.00	=	\$ -		\$ -
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	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 80.00	=	\$ -		\$ -
Electrical Conduit, Size = <u> </u>		LF	\$ 16.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	=	\$ -		\$ -

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Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)	
							% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$	-		\$ -
[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	74	LF	\$ 65.00	=	\$	4,810.00		\$ 4,810.00
24" Reinforced Concrete Pipe	1,025	LF	\$ 78.00	=	\$	79,950.00		\$ 79,950.00
30" Reinforced Concrete Pipe	1,111	LF	\$ 97.00	=	\$	107,767.00		\$ 107,767.00
36" Reinforced Concrete Pipe	1,401	LF	\$ 120.00	=	\$	168,120.00		\$ 168,120.00
42" Reinforced Concrete Pipe		LF	\$ 160.00	=	\$	-		\$ -
48" Reinforced Concrete Pipe		LF	\$ 195.00	=	\$	-		\$ -
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" <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 504.00	=	\$	504.00		\$ 504.00
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -
End Treatment- Headwall		EA		=	\$	-		\$ -
End Treatment- Wingwall		EA		=	\$	-		\$ -
End Treatment - Cutoff Wall		EA		=	\$	-		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	1	EA	\$ 5,542.00	=	\$	5,542.00		\$ 5,542.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00	=	\$	-		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$	-		\$ -
Curb Inlet (Type R) L=10', Depth < 5'	12	EA	\$ 7,627.00	=	\$	91,524.00		\$ 91,524.00
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 7,861.00	=	\$	-		\$ -
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'	2	EA	\$ 10,570.00	=	\$	21,140.00		\$ 21,140.00
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		EA	\$ 11,627.00	=	\$	-		\$ -
Storm Sewer Manhole, Slab Base	26	EA	\$ 6,395.00	=	\$	166,270.00		\$ 166,270.00
Geotextile (Erosion Control)	2,416	SY	\$ 6.00	=	\$	14,496.00		\$ 14,496.00
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80.00	=	\$	-		\$ -
Rip Rap, Grouted		Tons	\$ 95.00	=	\$	-		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$	-		\$ -
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$	-		\$ -
Drainage Channel Lining, Rip Rap	8	CY	\$ 112.00	=	\$	896.00		\$ 896.00
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$	-		\$ -
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -
[insert items not listed but part of construction plans]				=	\$	-		\$ -
[insert items not listed but part of construction plans]				=	\$	-		\$ -
Section 2 Subtotal				=	\$	2,456,815.51		\$ 2,456,815.51

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

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Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)		
					% Complete	Remaining	
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)							
Channel Lining, Concrete (Trickle Channel)	18	CY	\$ 450.00	=	\$	8,100.00	\$ 8,100.00
Channel Lining, Rip Rap	8	CY	\$ 98.00	=	\$	784.00	\$ 784.00
Concrete Cutoff Wall (30" RCP FES)		EA	\$ 500.00	=	\$	-	\$ -
Detention Outlet Structure		EA	\$ 12,000	=	\$	-	\$ -
Detention Emergency Spillway		EA	\$ 18,300	=	\$	-	\$ -
Presedimentation Forebay	2	EA	\$ 7,000.00	=	\$	14,000.00	\$ 14,000.00
Gravel Maintenance Access Trail	1,925	SY	\$ 20.00	=	\$	38,500.00	\$ 38,500.00
Type II Bedding	112	CY	\$ 35.00	=	\$	3,920.00	\$ 3,920.00
Detention Basin Seeding and Mulch	4	AC	\$ 520.00	=	\$	2,080.00	\$ 2,080.00
Rip Rap, d50 Size from 6" to 24"	6	CY	\$ 98.00	=	\$	588.00	\$ 588.00
Flared End Section (FES) RCP 30"		EA	\$ 1,000.00	=	\$	-	\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	5,664	LF	\$ 64.00	=	\$	362,496.00	\$ 362,496.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$	-	\$ -
Gate Valves, 8"	51	EA	\$ 1,858.00	=	\$	94,758.00	\$ 94,758.00
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	103	EA	\$ 1,324.00	=	\$	136,372.00	\$ 136,372.00
Fire Cistern Installation, complete		EA		=	\$	-	\$ -
				=	\$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$	-	\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	4,728	LF	\$ 64.00	=	\$	302,592.00	\$ 302,592.00
Sanitary Sewer Manhole, Depth < 15 feet	25	EA	\$ 4,386.00	=	\$	109,650.00	\$ 109,650.00
Sanitary Service Line Installation, complete	103	EA	\$ 1,402.00	=	\$	144,406.00	\$ 144,406.00
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)							
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
		EA		=	\$	-	\$ -
Section 3 Subtotal				=	\$	1,271,022.00	\$ 1,271,022.00

** - Section 3 is not subject to defect warranty requirements

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Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 5,500.00	=	\$ 5,500.00		\$ 5,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1.00	=	\$ 1.00		\$ 1.00
Total Construction Financial Assurance							\$ 3,885,581.00
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)							\$ 3,885,581.00
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance							\$ 495,978.70
(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

 Approved by El Paso County Engineer / ECM Administrator

 Date