

2019 Financial Assurance Estimate Form

Updated: 7/16/2019

PROJECT INFORMATION		
Winsome Filing 1	10/15/2020	SF-20-003
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	56,350	CY	\$ 2.50	=	\$ 175,000.00		\$ 175,000.00	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)	10	AC	\$ 800.00	=	\$ 8,000.00		\$ 8,000.00	
* Mulching	10	AC	\$ 750.00	=	\$ 7,500.00		\$ 7,500.00	
* Permanent Erosion Control Blanket	1,140	SY	\$ 6.00	=	\$ 6,840.00		\$ 6,840.00	
* Permanent Pond/BMP Construction	4,000	CY	\$ 20.00	=	\$ 80,000.00		\$ 80,000.00	
* Permanent Pond/BMP (Outlet Structures)	4	EA	\$ 12,000.00	=	\$ 48,000.00		\$ 48,000.00	
* Permanent Pond/BMP (Spillways)	4	EA	\$ 16,000.00	=	\$ 64,000.00		\$ 64,000.00	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket	22,360	SY	\$ 3.00	=	\$ 67,080.00		\$ 67,080.00	
Vehicle Tracking Control	2	EA	\$ 2,370.00	=	\$ 4,740.00		\$ 4,740.00	
Silt Fence	5,000	LF	\$ 2.50	=	\$ 12,500.00		\$ 12,500.00	
Temporary Seeding		AC	\$ 628.00	=	\$ -		\$ -	
Temporary Mulch	2	AC	\$ 750.00	=	\$ 1,500.00		\$ 1,500.00	
Erosion Bales		EA	\$ 25.00	=	\$ -		\$ -	
Erosion Logs/Straw Waddle	500	LF	\$ 5.00	=	\$ 2,500.00		\$ 2,500.00	
Rock Check Dams	4	EA	\$ 500.00	=	\$ 2,000.00		\$ 2,000.00	
Inlet Protection	6	EA	\$ 167.00	=	\$ 1,002.00		\$ 1,002.00	
Sediment Basin		EA	\$ 1,762.00	=	\$ -		\$ -	
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00		\$ 900.00	
* Permanent Pond/BMP (Trickle Chan/Forebay)	617	SY	\$ 48.00	=	\$ 29,616.00		\$ 29,616.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 42,643.30		\$ 42,643.30
Section 1 Subtotal					=	\$ 553,821.30		\$ 553,821.30
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control	1	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf) 6" Thick	6,722	CY	\$ 50.00	=	\$ 336,100.00		\$ 336,100.00	
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -	
Asphalt Pavement (4" thick)	28,298	SY	\$ 19.00	=	\$ 537,662.00		\$ 537,662.00	
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -	
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 88.00	=	\$ -		\$ -	
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign	15	EA	\$ 300.00	=	\$ 4,500.00		\$ 4,500.00	
Guide/Street Name Sign	12	EA	\$ 300.00	=	\$ 3,600.00		\$ 3,600.00	
Epoxy Pavement Marking	2,063	SF	\$ 13.00	=	\$ 26,819.00		\$ 26,819.00	
Thermoplastic Pavement Marking	31	SF	\$ 23.00	=	\$ 713.00		\$ 713.00	
Barricade - Type 3	2	EA	\$ 200.00	=	\$ 400.00		\$ 400.00	
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)		LF	\$ 30.00	=	\$ -		\$ -	
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)		LF	\$ 30.00	=	\$ -		\$ -	
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -	
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)		LF	\$ 61.00	=	\$ -		\$ -	
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 = 4	8,400	LF	\$ 16.00	=	\$ 134,400.00		\$ 134,400.00	
Traffic Signal, complete intersection		EA	\$ 425,000	=	\$ -		\$ -	

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						% Complete	Remaining	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS								
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -	
18" Reinforced Concrete Pipe	106	LF	\$ 65.00	=	\$ 6,890.00		\$ 6,890.00	
24" Reinforced Concrete Pipe	64	LF	\$ 78.00	=	\$ 4,960.80		\$ 4,960.80	
30" Reinforced Concrete Pipe	85	LF	\$ 97.00	=	\$ 8,245.00		\$ 8,245.00	
36" Reinforced Concrete Pipe		LF	\$ 120.00	=	\$ -		\$ -	
42" Reinforced Concrete Pipe	92	LF	\$ 160.00	=	\$ 14,720.00		\$ 14,720.00	
48" Reinforced Concrete Pipe	112	LF	\$ 195.00	=	\$ 21,918.00		\$ 21,918.00	
54" Reinforced Concrete Pipe	219	LF	\$ 245.00	=	\$ 53,679.50		\$ 53,679.50	
60" Reinforced Concrete Pipe	115	LF	\$ 288.00	=	\$ 33,120.00		\$ 33,120.00	
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 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 390.00	=	\$ 780.00		\$ 780.00	
Flared End Section (FES) RCP Size = 24 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 468.00	=	\$ 936.00		\$ 936.00	
Flared End Section (FES) RCP Size = 48 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 582.00	=	\$ 1,164.00		\$ 1,164.00	
Flared End Section (FES) RCP Size = 54 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 720.00	=	\$ 1,440.00		\$ 1,440.00	
Flared End Section (FES) RCP Size = 60 <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 960.00	=	\$ 1,920.00		\$ 1,920.00	
End Treatment- Headwall		EA		=	\$ -		\$ -	
End Treatment- Wingwall		EA		=	\$ -		\$ -	
End Treatment - Cutoff Wall 18" X 2	0.36	CY	\$ 1,500.00	=	\$ 540.00		\$ 540.00	
End Treatment - Cutoff Wall 24" X 1	0.33	CY	\$ 1,500.00	=	\$ 495.00		\$ 495.00	
End Treatment - Cutoff Wall 30" X 1	0.68	CY	\$ 1,500.00	=	\$ 1,026.00		\$ 1,026.00	
End Treatment - Cutoff Wall 42" X 2	2.28	CY	\$ 1,500.00	=	\$ 3,420.00		\$ 3,420.00	
End Treatment - Cutoff Wall 48" X 1	1.27	CY	\$ 1,500.00	=	\$ 1,905.00		\$ 1,905.00	
End Treatment - Cutoff Wall 54" X 2	4.80	CY	\$ 1,500.00	=	\$ 7,200.00		\$ 7,200.00	
End Treatment - Cutoff Wall 60" X 1	1.96	CY	\$ 1,500.00	=	\$ 2,940.00		\$ 2,940.00	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 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'		EA	\$ 7,627.00	=	\$ -		\$ -	
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'		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		EA	\$ 11,627.00	=	\$ -		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00	=	\$ -		\$ -	
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -	
Rip Rap, d50 size from 6" to 24"	1,520	Tons	\$ 80.00	=	\$ 121,600.00		\$ 121,600.00	
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		CY	\$ 112.00	=	\$ -		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -		\$ -	
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
Section 2 Subtotal					=	\$ 1,338,093.30		\$ 1,338,093.30

* - 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)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 64.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 1,858.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,597.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,324.00	=	\$ -		\$ -
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"		LF	\$ 64.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,386.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,402.00	=	\$ -		\$ -
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)							
6' WIDE HIKING TRAIL	4,536	LF	\$ 6.00	=	\$ 27,216.00		\$ 27,216.00
10' WIDE HIKING TRAIL/ACCESS ROAD	380	LF	\$ 20.00	=	\$ 7,600.00		\$ 7,600.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal					=	\$ 34,816.00	\$ 34,816.00

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

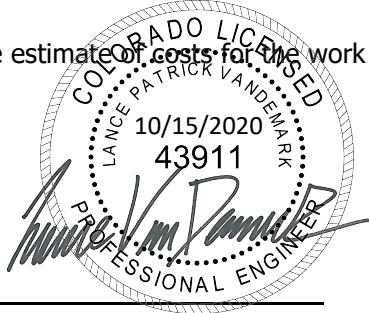
PROJECT INFORMATION

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Project Name	Date	PCD File No.

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						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Total Construction Financial Assurance						\$	1,936,730.60
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	1,936,730.60
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	345,486.66
(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)

✓ *Joseph W. Desjardin*

 Approved by Owner / Applicant

 Approved by El Paso County Engineer / ECM Administrator

10/15/2020

APPROVED
Engineering Department

12/10/2020 1:58:41 PM
dsdnijkamp
**EPC Planning & Community
 Development Department**