

# 2021 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 11/16/2020

PROJECT INFORMATION			
Winsome Filing No. 2	5/25/2021		
Project Name	Date	PCD File No.	SF-21-015

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>							
* 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	119,780	CY	\$ 2.50	=	\$ 299,450.00		\$ 299,450.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)	23	AC	\$ 828.00	=	\$ 19,044.00		\$ 19,044.00
* Mulching	23	AC	\$ 777.00	=	\$ 17,871.00		\$ 17,871.00
* Permanent Erosion Control Blanket	6,068	SY	\$ 6.20	=	\$ 37,621.60		\$ 37,621.60
* Permanent Pond/BMP Construction	11,000	CY	\$ 21.00	=	\$ 231,000.00		\$ 231,000.00
* Permanent Pond/BMP (Spillway)	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 12,000.00	=	\$ 12,000.00		\$ 12,000.00
Safety Fence	440	LF	\$ 3.10	=	\$ 1,364.00		\$ 1,364.00
Temporary Erosion Control Blanket		SY	\$ 3.10	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,453.00	=	\$ 4,906.00		\$ 4,906.00
Silt Fence	4,110	LF	\$ 2.60	=	\$ 10,686.00		\$ 10,686.00
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.20	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection	20	EA	\$ 173.00	=	\$ 3,460.00		\$ 3,460.00
Sediment Basin	1	EA	\$ 1,824.00	=	\$ 1,824.00		\$ 1,824.00
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 7,632.80	\$ 7,632.80
<b>Section 1 Subtotal</b>					=	<b>\$ 657,791.40</b>	<b>\$ 657,791.40</b>

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

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control	1	LS	\$ 12,000.00	=	\$ 12,000.00		\$ 12,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)	6,576	CY	\$ 52.00	=	\$ 341,952.00		\$ 341,952.00
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)	37,405	SY	\$ 20.00	=	\$ 748,100.00		\$ 748,100.00
Asphalt Pavement (6" thick)	2,050	SY	\$ 30.00	=	\$ 61,500.00		\$ 61,500.00
Asphalt Pavement (147 lbs/cf) 1/2" thick		Tons	\$ 9.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	12	EA	\$ 31.00	=	\$ 3,732.00		\$ 3,732.00
Guide/Street Name Sign	8	EA	\$ 150.00	=	\$ 1,200.00		\$ 1,200.00
Epoxy Pavement Marking	2,170	SF	\$ 14.00	=	\$ 30,380.00		\$ 30,380.00
Thermoplastic Pavement Marking	111	SF	\$ 24.00	=	\$ 2,664.00		\$ 2,664.00
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
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	\$ 50.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875.00	=	\$ -		\$ -

update per redline  
comment on CD  
sheet 36

Add 1 Type 3 barricade  
per CD sht 24

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Winsome Filing No. 2			5/25/2021				
Project Name			Date		PCD File No. SF-21-015		
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[insert items not listed but part of construction plans]				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	110	LF	\$ 65.00	=	\$ 7,150.00		\$ 7,150.00
24" Reinforced Concrete Pipe	538	LF	\$ 78.00	=	\$ 41,964.00		\$ 41,964.00
30" Reinforced Concrete Pipe	190	LF	\$ 97.00	=	\$ 18,430.00		\$ 18,430.00
36" Reinforced Concrete Pipe	142	LF	\$ 120.00	=	\$ 17,040.00		\$ 17,040.00
42" Reinforced Concrete Pipe	222	LF	\$ 160.00	=	\$ 35,520.00		\$ 35,520.00
48" Reinforced Concrete Pipe	179	LF	\$ 195.00	=	\$ 34,905.00		\$ 34,905.00
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -
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)	2	EA	\$ 390.00	=	\$ 780.00		\$ 780.00
Flared End Section (FES) RCP Size = 24 (unit cost = 6x pipe unit cost)	4	EA	\$ 468.00	=	\$ 1,872.00		\$ 1,872.00
Flared End Section (FES) RCP Size = 30 (unit cost = 6x pipe unit cost)	4	EA	\$ 582.00	=	\$ 2,328.00		\$ 2,328.00
Flared End Section (FES) RCP Size = 42 (unit cost = 6x pipe unit cost)	1	EA	\$ 960.00	=	\$ 960.00		\$ 960.00
Flared End Section (FES) CSP Size = 48 (unit cost = 6x pipe unit cost)	4	EA	\$ 1,170.00	=	\$ 4,680.00		\$ 4,680.00
End Treatment- Headwall	6	EA	\$ 5,800.00	=	\$ 34,800.00		\$ 34,800.00
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ -		\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ -		\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ -		\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ -		\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,265.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,940.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$ -		\$ -
Geotextile (Erosion Control)	860	SY	\$ 6.20	=	\$ 5,332.00		\$ 5,332.00
Rip Rap, d50 size from 6" to 24"	1,072	Tons	\$ 83.00	=	\$ 88,976.00		\$ 88,976.00
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap	246	CY	\$ 116.00	=	\$ 28,536.00		\$ 28,536.00
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 1,524,801.00		\$ 1,524,801.00

provide quantity for wingwalls

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Project Name		Date		PCD File No. SF-21-015			
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							
Breeze Trail (6" Trail)	185	Ton	\$ 31.00	=	\$ 5,735.00		\$ 5,735.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 1,923.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	=	\$ -		\$ -
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal				=	\$ 5,735.00		\$ 5,735.00
** - Section 3 is not subject to defect warranty requirements							

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

PROJECT INFORMATION			
Winsome Filing No. 2	5/25/2021		
Project Name	Date	PCD File No.	SF-21-015

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% 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	\$ 2,500.00	=	\$ 2,500.00		\$ 2,500.00
						<b>Total Construction Financial Assurance \$ 2,195,827.40</b>	
						(Sum of all section subtotals plus as-builts and pond/BMP certification)	
						<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction) \$ 2,195,827.40</b>	
						(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)	
						<b>Total Defect Warranty Financial Assurance \$ 430,357.52</b>	
						(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