2019 Financial Assurance Estimate Form

(with pre-plat construction)

Updated: 7/16/2019

	PROJECT INFORMATION	
Winsome Filing 1 - Early Grading	3/29/2020	EGP-20-001
roject Name	Date	PCD File No.

		11-21-		Init			Total	(with Pre-P % Complete		Remaining
escription	Quantity	Units		ost			Total	70 Complete		Remaining
CTION 1 - GRADING AND EROSION CONTRO	OL (Construction	and Pern	nanent	BMPs)						
Earthwork		CV	•	8.00	=	4		1 \$	\$	-
less than 1,000; \$5,300 min		CY	\$	6.00	=	\$		4		-
1,000-5,000; \$8,000 min		CY				*		4		-
5,001-20,000; \$30,000 min		CY	\$	5.00	222	4		9		-
20,001-50,000; \$100,000 min		CY	\$	3.50	==	\$	175 000 00	1		175,000.0
50,001-200,000; \$175,000 min	56,350	CY	\$	2.50	222	\$	175,000.00	1		1/3,000.0
greater than 200,000; \$500,000 min		CY	\$	2.00	=	\$	0 000 00	Charles in a second in the second in the second		8,000.0
Permanent Seeding (inc. noxious weed mgmnt.)	10	AC		800.00	==	\$	8,000.00	1		7,500.0
Mulching	10	AC		750.00	=	\$	7,500.00			6,840.0
Permanent Erosion Control Blanket	1,140	SY	\$	6.00	=	\$	6,840.00	15		0,840.0
Permanent Pond/BMP Construction		CY	\$	20.00	=	\$	-	15		
Permanent Pond/BMP (provide engineer's estimate)		EA			=	\$	-		\$	-
		EA			000	\$	-		\$	-
Safety Fence		LF	\$	3.00	=	\$	-		\$	
Temporary Erosion Control Blanket	22,360	SY	\$	3.00	=	\$	67,080.00		\$	67,080.0
/ehicle Tracking Control	2	EA	\$ 2	,370.00	==	\$	4,740.00		\$	4,740.0
Silt Fence	5,000	LF	\$	2.50	=	\$	12,500.00		\$	12,500.0
Temporary Seeding		AC	\$	628.00	===	\$	-	:	\$	-
Femporary Mulch	2	AC	\$	750.00	==	\$	1,500.00		\$	1,500.0
		EA	\$	25.00	==	\$	-		\$	
Erosion Bales	500	LF	\$	5.00	202	\$	2,500.00		\$	2,500.0
Erosion Logs/Straw Waddle	4	EA	\$	500.00	==	\$	2,000.00		\$	2,000.0
Rock Check Dams	•	EA	\$	167.00	==	\$			\$	-
Inlet Protection	4	EA		1,762.00	==	\$	7,048.00		\$	7,048.0
Sediment Basin	1	EA	\$	900.00		\$	900.00		\$	900.0
Concrete Washout Basin	1	EA	Φ	300.00	=	\$	500.00		\$	
						\$			\$	
insert items not listed but part of construction plans]					=		34,393.80		\$	34,393.8
MAI	NTENANCE (35%	o of Const	ruction	BMPs)	=	\$	34,393.00		P	34,333.0
									4	330,001.80
retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS *		Secti	on 1 S	ubtotal	=	\$	330,001.80		\$	330,001.00
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retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control		LS Tons	\$	28.00		\$ \$ \$	330,001.80			
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retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTTON 2 - PUBLIC IMPROVEMENTS * DADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (4" thick) Asphalt Pavement (4" thick) Asphalt Pavement (5" thick) Asphalt Pavement (6" thick) Calledor Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Epoxy Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Wedian) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (6" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 3 (W-Beam)		LS Tons CY SY SY Tons SF EA EA EA LF LF LF SY SY SY EA LF	****** **********	28.00 50.00 14.00 19.00 29.00 88.00 300.00 13.00 23.00 24.00 30.00 30.00 30.00 48.00 60.00 72.00 96.00 1,150.00 61.00 92.00 1,480.00 49.00 72.00 2,0098.00		**************			* * * * * * * * * * * * * * * * * * * *	
retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTTON 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Tppe 7 (Concrete)		LS Tons CY SY SY Tons SF EA EA F EA F EA LF LF LF SY SY SY EA LF	****** **********	28.00 50.00 14.00 19.00 88.00 300.00 13.00 23.00 200.00 24.00 30.00 30.00 48.00 60.00 72.00 92.00 1,180.00 49.00 49.00 49.00 49.00 72.00 2,098.00 3,767.00		**************			* * * * * * * * * * * * * * * * * * * *	
retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTTON 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Golide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (6" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Impact Attenuator		LS Tons CY SY SY Tons SF EA EA SF EA LF LF LF SY SY SY EA LF	****** **********	28.00 50.00 14.00 19.00 29.00 88.00 300.00 13.00 23.00 24.00 30.00 30.00 30.00 48.00 60.00 72.00 96.00 1,150.00 61.00 92.00 1,480.00 49.00 72.00 2,0098.00		**************			**************	
retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 9" Sidewalk 9" Sidewalk 9" Sidewalk 9" Sidewalk 9" Sidewald 10" Thick, 6" wide to include return) Cross Pan, local (6" thick, 6' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Taye 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Taye 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Taye 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Type 7 (Henualtor) Sound Barrier Fence (CMU block, 6' high)		LS Tons CY SY SY SY Tons SF EA SF EA LF LF SY SY SY EA LF	******* ***********	28.00 50.00 14.00 19.00 88.00 300.00 13.00 23.00 200.00 24.00 30.00 30.00 48.00 60.00 72.00 92.00 1,180.00 49.00 49.00 49.00 49.00 72.00 2,098.00 3,767.00		**************			**************	
Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Impact Attenuator		LS Tons CY SY SY Tons SF EA EA EA LF LF SY SY SY EA LF	******* ***********	28.00 50.00 14.00 19.00 88.00 8.00 300.00 23.00 200.00 24.00 30.00 30.00 48.00 60.00 72.00 96.00 1,150.00 92.00 1,480.00 49.00 72.00 93.00 93.00 93.00 93.00 93.00 94.00 93		**************			**************	

	PROJECT INFORMATION	
	3/29/2020	EGP-20-001
Project Name	Date	PCD File No.

	Quantity	Units	Unit Cost				Total	% Complete	-riat	Construction) Remaining
escription	Quantity	Units	Cost		=	\$	-		\$	
insert items not listed but part of construction plans]					=	\$	-		\$	
FORM DRAIN IMPROVEMENTS										
Concrete Box Culvert (M Standard), Size (W x H)		LF			=	\$	-		\$	
18" Reinforced Concrete Pipe		LF	\$ 65.		==	\$			\$	
24" Reinforced Concrete Pipe		LF	\$ 78.	00	=	\$	-		\$	
30" Reinforced Concrete Pipe		LF	\$ 97.	00	==	\$	-		\$	
36" Reinforced Concrete Pipe		LF	\$ 120.	00	==	\$	-		\$	
42" Reinforced Concrete Pipe		LF	\$ 160.	00	200	\$	-		\$	
48" Reinforced Concrete Pipe		LF	\$ 195.	00	==	\$	-		\$	
54" Reinforced Concrete Pipe		LF	\$ 245.	00	=	\$	-		\$	
60" Reinforced Concrete Pipe		LF	\$ 288.		==	\$	-		\$	
		LF	\$ 332.		=	\$	_		\$	
66" Reinforced Concrete Pipe		LF	\$ 380.		==	\$	_		\$	
72" Reinforced Concrete Pipe		LF	\$ 84.		==	\$	_		\$	
18" Corrugated Steel Pipe			\$ 96.		=		_		\$	
24" Corrugated Steel Pipe		LF				\$	-		\$	
30" Corrugated Steel Pipe		LF	\$ 122.		==	*	-		4	
36" Corrugated Steel Pipe		LF	\$ 147		==	*			4	
42" Corrugated Steel Pipe		LF	\$ 168		200	\$	-		1	
48" Corrugated Steel Pipe		LF	\$ 178		222	\$	-		\$	
54" Corrugated Steel Pipe		LF	\$ 260		==	\$	-		\$	
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 = (unit cost = 6x pipe unit cost)		EA			==	\$	-		\$	
Flared End Section (FES) CSP Size =					=	\$			\$	
(unit cost = 6x pipe unit cost)		EA			-	4				
End Treatment- Headwall		EA			==	\$	-		\$	
End Treatment- Wingwall		EA			==	\$	-		\$	
End Treatment - Cutoff Wall		EA			=	\$	-		\$	
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	DD .	\$	-		\$	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,627	.00	=	\$	-		\$	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7,861		==	\$	-		\$	
		EA	\$ 9,841		=	\$	-		\$	
		EA	\$ 9,918		=	\$	_		\$	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,633		=	\$	_		\$	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'									4	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 11,627		==	\$			\$	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570		=	\$			1	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 11,667		==	\$			\$	
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640		=	\$	-		\$	
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731		=	\$	-		\$	
Storm Sewer Manhole, Box Base		EA	\$ 11,627	.00	=	\$	-		\$	
Storm Sewer Manhole, Slab Base		EA	\$ 6,395	5.00	=	\$	-		\$	
Geotextile (Erosion Control)		SY	\$ 6	6.00	=	\$	-		\$	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80	0,00	=	\$	-		\$	
Rip Rap, Grouted		Tons		00,6	222	\$	-		\$	
Drainage Channel Construction, Size (W x H)		LF			==	\$	-		\$	
		CY	\$ 570	0.00	==	\$			\$	
Drainage Channel Lining, Concrete		CY		2.00	==	\$			\$	
Drainage Channel Lining, Rip Rap					22				\$	
Drainage Channel Lining, Grass		AC	\$ 1,469	7,00		\$				
Drainage Channel Lining, Other Stabilization					=	\$			\$	
					22	\$	<u> </u>		\$	
[insert items not listed but part of construction plans]					222	\$			\$	
Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE NLLOWED)		Secti	ion 2 Subt	otal	=	\$	-		\$	-

	PROJECT INFORMATION	
	3/29/2020	EGP-20-001
Project Name	Date	PCD File No.

				Unit				(with Pre-P	lat Construction)
Description	Quantity	Units		Cost			Total	% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPR		rivate or	Distr	rict and NO	T Mair	tained	by EPC)**	CONTRACTOR OF THE PROPERTY OF	INTERNATION OF THE PROPERTY OF
ROADWAY IMPROVEMENTS					***************************************				
					===	\$	-	\$	-
					100	\$	-	\$	-
					220	\$	-	\$	-
					200	\$	-	\$	
					=	\$	-	\$	
					==	\$	_	\$	
STORM DRAIN IMPROVEMENTS (Excep	otion: Permanent Por	nd/BMP shal	Il be it	emized under	Section 1	1)		The state of the s	
TOTAL DISTRICTION					=	\$	_	\$	
					=	\$	-	4	
					22	\$	_	\$	
					===	\$	-	\$	
					==	\$	_	4	
					22	4	_	4	
VATER SYSTEM IMPROVEMENTS						*		*	
Water Main Pipe (PVC), Size 8"		LF	\$	64.00	==	4		4	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	75.00	=	\$	-	1 \$	
Gate Valves, 8"		EA	\$	1,858.00	==	\$	_	4	
Fire Hydrant Assembly, w/ all valves		EA	\$	6,597.00	===	\$	_	4	
Water Service Line Installation, inc. tap and valves		EA		1,324.00	==	4		4	
Fire Cistern Installation, complete		EA	4	1,524.00	=	4	_	1 4	
Fire distern installation, complete					===	4		4	
[insert items not listed but part of construction plans]					===	4		4	
SANITARY SEWER IMPROVEMENTS					-	P		*	
Sewer Main Pipe (PVC), Size 8"		LF	\$	64.00	==	*	_		
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$	4,386.00	==	4		1	
Sanitary Sewer Marinole, Deptit 13 feet Sanitary Service Line Installation, complete		EA			==	4		٩	
		EA	*	1,402.00	=	4			
Sanitary Sewer Lift Station, complete		EA				*		3	
F					===	\$	-		
[insert items not listed but part of construction plans] ANDSCAPING IMPROVEMENTS	(Consideration in terms				=	\$		3	-
ANDSCAPING IMPROVEMENTS	(For subdivision spe		on of	approval, or P	,			Programma .	
		EA			101	\$	-	\$	
		EA			202	\$	-	\$	
		EA			20	\$	-	\$	
		EA			222	\$	-	\$	
		EA	177		==	\$	-	\$	
* - Section 3 is not subject to defect warranty requirements		Secti	on 3	Subtotal	-	\$	-		-

	PROJECT INFORMATION	
	3/29/2020	EGP-20-001
Project Name	Date	PCD File No.

uantity	Units	Unit					
			-	*************	Total	% Complete	Remaining
BMPs)	LS		=	\$	-	\$	
ations)	LS		=	\$	-	\$	
			Total	Constru	uction Financia	al Assurance	330,001.80
		(Sum of all secti	on subtot	als plus as	-builts and pond/B	MP certification)	
al Remaini	na Const	ruction Financ	ial Assı	urance (with Pre-Plat C	onstruction)	\$ 330,001.80
(Sum of all s	ection total	s less credit for iter	ns compl	ete plus as	s-builts and pond/B	MP certification)	
		,	Cotal Do	efect Wa	rranty Financi	al Assurance	\$ 39,468.00
(20	% of all iter						
	al Remaini (Sum of all s	ations) LS al Remaining Const (Sum of all section totals	(Sum of all section all Remaining Construction Finance) (Sum of all section totals less credit for iten	Total (Sum of all section subtot al Remaining Construction Financial Asse (Sum of all section totals less credit for items compl Total De	Total Constru (Sum of all section subtotals plus as al Remaining Construction Financial Assurance ((Sum of all section totals less credit for items complete plus as Total Defect Wa	Total Construction Financia (Sum of all section subtotals plus as-builts and pond/B al Remaining Construction Financial Assurance (with Pre-Plat C (Sum of all section totals less credit for items complete plus as-builts and pond/B Total Defect Warranty Financia	

Approvals

I hereby certify that this is an accurate and complete estimate of costs of through as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Solvant and Construction Drawings associated with the Project.

Solvant and Construction Drawings associated with the Project.

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

By: Elizabeth Nijkamp

Date:06/30/2020

El Paso County Planning & Community Development