

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

SP209

Updated: 6/7/2019

PROJECT INFORMATION		
	9/15/2020	XX-XX-XXX
Project Name JeniShay Farms	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	6,085	CY	\$ 5.00	= \$ 30,425.00		\$ 30,425.00
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.)	3	AC	\$ 800.00	= \$ 2,000.00		\$ 2,000.00
* Mulching		AC	\$ 750.00	= \$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	= \$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 20.00	= \$ -		\$ -
* Permanent Pond/BMP (Spillway)		EA		= \$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)	1	EA	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY		= \$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,370.00	= \$ -		\$ -
Silt Fence	1,707	LF	\$ 2.50	= \$ 4,267.50		\$ 4,267.50
Temporary Seeding		AC	\$ 628.00	= \$ -		\$ -
Temporary Mulch		AC	\$ 750.00	= \$ -		\$ -
Erosion Bales	18	EA	\$ 25.00	= \$ 450.00		\$ 450.00
Erosion Logs/Straw Waddle		LF	\$ 5.00	= \$ -		\$ -
Rock Check Dams		EA	\$ 500.00	= \$ -		\$ -
Inlet Protection	1	EA	\$ 167.00	= \$ 167.00		\$ 167.00
Sediment Basin	1	EA	\$ 1,762.00	= \$ 1,762.00		\$ 1,762.00
Concrete Washout Basin	1	EA	\$ 900.00	= \$ 900.00		\$ 900.00
[insert items not listed but part of construction plans]				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				=	\$ 2,641.28	\$ 2,641.28
Section 1 Subtotal				=	\$ 52,612.78	\$ 52,612.78

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	1,690	Tons	\$ 28.00	= \$ 47,320.00		\$ 47,320.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	= \$ -		\$ -
Asphalt Pavement (3" thick)	4,449	SY	\$ 14	= \$ 62,286.00		\$ 62,286.00
Asphalt Pavement (4" thick)		SY	\$ 19	= \$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 29	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 88	= \$ -		\$ -
Raised Median, Paved		SF	\$ 8	= \$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 300	= \$ -		\$ -
Guide/Street Name Sign		EA		= \$ -		\$ -
Epoxy Pavement Marking		SF	\$ 13.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	= \$ -		\$ -
Barricade - Type 3		EA	\$ 200.00	= \$ -		\$ -
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 =		LF	\$ 16.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	= \$ -		\$ -

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	9/15/2020	XX-XX-XXX
Project Name JeniShay Farms	Date	PCD File No.

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	42	LF	\$ 65.00	=	\$ 2,730.00		\$ 2,730.00	
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	=	\$ -		\$ -	
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 (unit cost = 6x pipe unit cost)	2	EA	\$ 390.00	=	\$ 780.00		\$ 780.00	
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -	
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	=	\$ -		\$ -	
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"	129	Tons	\$ 80.00	=	\$ 10,320.00		\$ 10,320.00	
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				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
Section 2 Subtotal					=	\$ 123,436.00		\$ 123,436.00

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

Remove private road ABC & Asphalt. This will be included with the final plat application.

PROJECT INFO		
Project Name JeniShay Farms	Date 9/15/2020	PCD File No. XX-XX-XXX

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						
5,001-20,000; \$30,000 min	Included in earthwork above	CY	\$ 5.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	2,092	Tons	\$ 28.00	= \$ 58,576.00		\$ 58,576.00
Asphalt Pavement (3" thick)	4,449	SY	\$ 14.00	= \$ 62,286.00		\$ 62,286.00
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
STORM DRAIN IMPROVEMENTS						
<i>(Exception: Permanent Pond/BMP shall be provided per 1)</i>						
48" Reinforced Concrete Pipe Flared End Section (FES) RCP Size = 18	90	LF		= \$ 17,550.00		\$ 17,550.00
<i>(unit cost = 6x pipe unit cost)</i>	3	EA		= \$ 1,170.00		\$ 1,170.00
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
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						
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
Section 3 Subtotal				= \$ 139,582.00		\$ 139,582.00

Does not account for quantities from drainage report, which proposes 3 culverts that are 50 feet long. Revise to 150 feet.

Provide the 48" flared end sections in this quantity count.

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

PROJECT INFORMATION		
	9/15/2020	XX-XX-XXX
Project Name JeniShay Farms	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		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 315,630.78
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 315,630.78
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 33,172.20
(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

Financial Assurance Forms_v1.pdf Markup Summary

Callout (6)

4,449	1093	3	29.00	=	3
	SY	\$	14.00	=	\$
				=	\$
				=	\$
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				=	\$

Subject: Callout
Page Label: 3
Author: lpackman
Date: 1/4/2021 1:01:40 PM
Status:
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Does not account for quantities from drainage report, which proposes 3 culverts that are 50 feet long. Revise to 150 feet.

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Subject: Callout
Page Label: 1
Author: dsdlaforce
Date: 1/4/2021 10:26:56 AM
Status:
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provide VTC

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Subject: Callout
Page Label: 1
Author: dsdlaforce
Date: 1/4/2021 10:30:12 AM
Status:
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Remove all section 2 quantities. No public improvements are not installed with the pre-development GEC.

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Subject: Callout
Page Label: 3
Author: dsdlaforce
Date: 1/4/2021 12:54:37 PM
Status:
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Remove private road ABC & Asphalt. This will be included with the final plat application.

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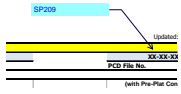
Subject: Callout
Page Label: 3
Author: lpackman
Date: 1/4/2021 12:55:14 PM
Status:
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Provide the 48" flared end sections in this quantity count.



Subject: Re: Callout
Page Label: 3
Author: dsdlaforce
Date: 1/4/2021 12:34:50 PM
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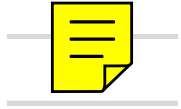
Revise sentence to identify what they need to provide.



Subject: Callout
Page Label: 1
Author: dsdlaforce
Date: 12/31/2020 8:38:20 AM
Status:
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SP209

Re: Callout (1)



Subject: Re: Callout
Page Label: 2
Author: dsdlaforce
Date: 1/4/2021 10:29:00 AM
Status:
Color: ■
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delete comment.