

2022 Financial Assurance Estimate Form  
(with pre-plat construction)

Add "SF2129 & CDR-23-002"

Updated: 11/4/2021

PROJECT INFORMATION		
CROSSROADS MIXED USE FIL. 1-UNDERGROUND DET.	12/12/2022	
Project Name	Date	PCD File No.

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		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 886.00	=	\$ -		\$ -
* Mulching		AC	\$ 831.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)	(1)	EA	\$ 87,788.00	=	\$ (87,788.00)		\$ (87,788.00)
(Already Posted for FSD Pond)		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,625.00	=	\$ -		\$ -
Silt Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Seeding		AC	\$ 695.00	=	\$ -		\$ -
Temporary Mulch		A		=	\$ -		\$ -
Erosion Bales		E		=	\$ -		\$ -
Erosion Logs/Straw Wattles		L		=	\$ -		\$ -
Rock Check Dams		E		=	\$ -		\$ -
Inlet Protection		E		=	\$ -		\$ -
Sediment Basin		E		=	\$ -		\$ -
Concrete Washout Basin		E		=	\$ -		\$ -
[insert items not listed but part of construction plans]							
<b>MAINTENANCE (35% of C</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		L					
Aggregate Base Course (135 lbs/cf)		To					
Aggregate Base Course (135 lbs/cf)		C					
Asphalt Pavement (3" thick)		S					
Asphalt Pavement (4" thick)		S					
Asphalt Pavement (6" thick)		S					
Asphalt Pavement (147 lbs/cf) <u>5</u> " thick		S					
Raised Median, Paved		S					
Regulatory Sign/Advisory Sign		E					
Guide/Street Name Sign		EA	\$ 250.00	=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 15.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 26.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 221.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 27.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 32.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 32.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 32.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 53.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 66.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 80.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 106.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,273.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 67.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		EA	\$ 3,400.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,639.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 55.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 80.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,324.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,172.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 87.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 89.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 18.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 470,666	=	\$ -		\$ -

Include all the quantities from the Filing 1 approved FAE (SF2129).

The only item to be replaced is the permanent pond estimate.

Course of action after this FAE is approved:  
This updated form shall be used on the partial release request for Fil 1. The resulting collateral to remain will be based on this updated form.

**PROJECT INFORMATION**

**CROSSROADS MIXED USE FIL. 1-UNDERGROUND DET.**

**12/12/2022**

**Project Name**

**Date**

**PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
LIGHT POLES (RAB: inc. luminaire, foundation, pole, etc)		EA	\$ 2,500.00	=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 70.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 83.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 128.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 171.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 209.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 272.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 319.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 368.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 421.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 90.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 103.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 131.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 157.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 180.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 190.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 278.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 300.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 364.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 428.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 492.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 588.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18" <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 1,800.00	=	\$ -		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 9,242.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 8,447.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,898.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,984.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,775.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,876.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 11,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,920.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,876.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 7.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		CY	\$ 70.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 105.00	=	\$ -		\$ -
Drainage Channel Construction, Size ( W x H )		LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 631.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
ROUNDBABOUT CURB HEAD		LF	\$ 15.00	=	\$ -		\$ -
TRUCK APRON		SY	\$ 99.00	=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

Move as lump sum amount in Section 1 "Permanent Pond/BMP"

<b>CROSSROADS MIXED USE FIL. 1-UNDERGROUND DET.</b>		<b>Date</b>	<b>PCD File No.</b>
<b>Project Name</b>			

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining

\* - Subject to defect warranty financial assurance. A minimum of 20% shall

**SECTION 3 COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)\*\***

Underground Detention Chambers	1	LS	\$ 95,000.00	=	\$ 95,000.00		\$ 95,000.00
XK Bay Separators	2	EA	\$ 18,000.00	=	\$ 36,000.00		\$ 36,000.00
Inlet Manholes with Wier	2	EA	\$ 12,000.00	=	\$ 24,000.00		\$ 24,000.00
Outlet Structure with Control Devices	1	EA	\$ 25,000.00	=	\$ 25,000.00		\$ 25,000.00
18" RCP Outlet Pipe with FES	240	LF	\$ 65.00	=	\$ 15,600.00		\$ 15,600.00
<b>Section 2 Subtotal</b>				=	\$ -		\$ -

**STORM DRAIN IMPROVEMENTS** (Exception: Permanent Pond/BMP shall be itemized under Section 1)

10' CDOT TYPE R INLET		EA	\$ 6,138.00	=	\$ -		\$ -
15' CDOT TYPE R INLET		EA	\$ 10,984.00	=	\$ -		\$ -
48" RCP		LF	\$ 202.00	=	\$ -		\$ -
24" RCP		LF	\$ 81.00	=	\$ -		\$ -
TYPE 1 MH		EA	\$ 12,034.00	=	\$ -		\$ -
24" FES		EA	\$ 2,100.00	=	\$ -		\$ -
18" RCP		LF	\$ 45.00	=	\$ -		\$ -
42" RCP		LF	\$ 174.00	=	\$ -		\$ -
36" RCP		LF	\$ 124.00	=	\$ -		\$ -
30" RCP		LF	\$ 100.00	=	\$ -		\$ -

**WATER SYSTEM IMPROVEMENTS**

Water Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 2,058.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,306.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,466.00	=	\$ -		\$ -
Fire Cistern Installation, complete		EA		=	\$ -		\$ -

[insert items not listed but part of construction plans]

**SANITARY SEWER IMPROVEMENTS**

Sewer Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,858.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,553.00	=	\$ -		\$ -
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)

LANDSCAPING IMPROVEMENTS		EA	\$209,717.00	=	\$ -		\$ -
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**PROJECT INFORMATION**

**CROSSROADS MIXED USE FIL. 1-UNDERGROUND DET.**      **12/12/2022**  
 Project Name      Date      PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>				<b>=</b>	<b>\$ 195,600.00</b>		<b>\$ 195,600.00</b>
<b>** - Section 3 is not subject to defect warranty requirements</b>							
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 1,500.00	=	\$ 1,500.00		\$ 1,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 1,500.00	=	\$ 1,500.00		\$ 1,500.00
<b>Total Construction Financial Assurance</b>						<b>\$</b>	<b>110,812.00</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$</b>	<b>110,812.00</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
<b>Total Defect Warranty Financial Assurance</b>						<b>\$</b>	<b>(17,557.60)</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.

*Virgil A. Sanchez*

\_\_\_\_\_  
 Engineer (P.E. Seal Required)

\_\_\_\_\_  
 Approved by Owner / Applicant      Date

\_\_\_\_\_  
 Approved by El Paso County Engineer / ECM Administrator      Date

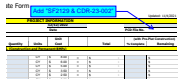
# V1\_Financial Assurance Forms Redlines.pdf Markup Summary

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Carlos (1)

**Measurement:** 1 Count

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**Subject:** Callout  
**Page Label:** 1  
**Author:** Carlos  
**Date:** 1/19/2023 1:40:20 PM  
**Measurement:** 1 Count

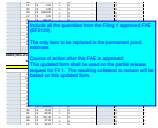
Add "SF2129 & CDR-23-002"

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dslaforce (2)

**Measurement:** 2 Count

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**Subject:** Text Box  
**Page Label:** 1  
**Author:** dsdlaforce  
**Date:** 1/23/2023 3:47:49 PM  
**Measurement:** 1 Count

Include all the quantities from the Filing 1 approved FAE (SF2129).

The only item to be replaced is the permanent pond estimate.

Course of action after this FAE is approved:  
This updated form shall be used on the partial release request for Fil 1. The resulting collateral to remain will be based on this updated form.



**Subject:** Cloud+  
**Page Label:** 3  
**Author:** dsdlaforce  
**Date:** 1/19/2023 11:58:30 AM  
**Measurement:** 1 Count

Move as lump sum amount in Section 1  
"Permanent Pond/BMP"