

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

Clarify what pond feature the \$2,000 is for. This is low for the required retrofit.

120

Add the pond improvements to section 1. (outlet structure, emergency spillway, low flow trickle channel, forebay)

These items are subject to defect warranty (\*).

PROJECT INFORMATION									
SUNSET VILLAGE FILING NO. 4 - PHASE 1					12/3/2021				
Project Name					Date				
Description	Quantity	Units	Unit Cost						
<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.)	0.58	AC	\$ 828.00	=	\$	480.24	\$	480.24	*
* Mulching	0.58	AC	\$ 777.00	=	\$	450.66	\$	450.66	*
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$	-	\$	-	*
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$	-	\$	-	*
* Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 2,000.00	=	\$	2,000.00	\$	2,000.00	*
Safety Fence		LF	\$ 3.00	=	\$	-	\$	-	*
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$	-	\$	-	*
Vehicle Tracking Control	2	EA	\$ 2,453.00	=	\$	4,906.00	\$	4,906.00	*
Silt Fence	1,620	LF	\$ 2.60	=	\$	4,212.00	\$	4,212.00	*
Temporary Seeding	0.5	AC	\$ 650.00	=	\$	325.00	\$	325.00	*
Temporary Mulch	0.5	AC	\$ 777.00	=	\$	388.50	\$	388.50	*
Erosion Bales		EA	\$ 26.00	=	\$	-	\$	-	*
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$	-	\$	-	*
Rock Check Dams		EA	\$ 518.00	=	\$	-	\$	-	*
Inlet Protection	4	EA	\$ 173.00	=	\$	692.00	\$	692.00	*
Sediment Basin				=	\$	-	\$	-	*
Concrete Washout Basin				=	\$	932.00	\$	932.00	*
[insert items not listed but part of construction plans]				=	\$	-	\$	-	*
<b>MAINTEN</b>				=	\$	4,009.43	\$	4,009.43	*
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)									
<b>Section 1 Subtotal</b>				=	\$	<b>18,395.83</b>	\$	<b>18,395.83</b>	*
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>									
<b>ROADWAY IMPROVEMENTS</b>									
Construction Traffic Control	1	LS	\$ 5,000.00	=	\$	5,000.00	\$	5,000.00	*
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$	-	\$	-	*
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$	-	\$	-	*
Asphalt Pavement (3" thick)	5,273	SY	\$ 14.50	=	\$	76,463.33	\$	76,463.33	*
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$	-	\$	-	*
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$	-	\$	-	*
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$	-	\$	-	*
Raised Median, Paved		SF	\$ 8.30	=	\$	-	\$	-	*
Regulatory Sign/Advisory Sign	2	EA	\$ 311.00	=	\$	622.00	\$	622.00	*
Guide/Street Name Sign	10	EA	\$ 500.00	=	\$	5,000.00	\$	5,000.00	*
Epoxy Pavement Marking		SF	\$ 14.00	=	\$	-	\$	-	*
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$	-	\$	-	*
Barricade - Type 3	4	EA	\$ 207.00	=	\$	828.00	\$	828.00	*
Delineator - Type I		EA	\$ 25.00	=	\$	-	\$	-	*
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$	-	\$	-	*
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$	-	\$	-	*
Curb and Gutter, Type C (Ramp)	900	LF	\$ 31.00	=	\$	27,900.00	\$	27,900.00	*
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$	-	\$	-	*
5" Sidewalk	1,781	SY	\$ 62.00	=	\$	110,394.44	\$	110,394.44	*
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	\$	=	\$	-	\$	-	*
Curb Chase		EA	\$	=	\$	-	\$	-	*
Guardrail Type 3 (W-Beam)		LF	\$	=	\$	-	\$	-	*
Guardrail Type 7 (Concrete)		LF	\$	=	\$	-	\$	-	*
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	=	\$	-	\$	-	*

Move to the permanent seeding/mulching.

provide pedestrian ramp quantities

swap the quantities.  
The plans note 50 LF of 18" RCP  
and 178 LF of 24" RCP

PROJECT INFORMATION		
SUNSET VILLAGE FILING NO. 4 - PHASE 1	12/3/2021	
Project Name	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]				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	178	LF	\$ 67.00	=	\$ 11,926.00		\$ 11,926.00
24" Reinforced Concrete Pipe	50	LF	\$ 81.00	=	\$ 4,050.00		\$ 4,050.00
30" Reinforced Concrete Pipe		LF	\$ 10				
36" Reinforced Concrete Pipe		LF	\$ 12				
42" Reinforced Concrete Pipe		LF	\$ 16				
48" Reinforced Concrete Pipe		LF	\$ 20				
54" Reinforced Concrete Pipe		LF	\$ 25				
60" Reinforced Concrete Pipe		LF	\$ 29				
66" Reinforced Concrete Pipe		LF	\$ 34				
72" Reinforced Concrete Pipe		LF	\$ 39				
18" Corrugated Steel Pipe		LF	\$ 8				
24" Corrugated Steel Pipe		LF	\$ 9				
30" Corrugated Steel Pipe		LF	\$ 12				
36" Corrugated Steel Pipe		LF	\$ 15				
42" Corrugated Steel Pipe		LF	\$ 17				
48" Corrugated Steel Pipe		LF	\$ 18				
54" Corrugated Steel Pipe		LF	\$ 26				
60" Corrugated Steel Pipe		LF	\$ 29				
66" Corrugated Steel Pipe		LF	\$ 35				
72" Corrugated Steel Pipe		LF	\$ 41				
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 1,500.00	=	\$ 1,500.00		\$ 1,500.00
Flared End Section (FES) CSP Size = 24 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,736.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$ -		\$ -
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'	1	EA	\$ 4,802.00	=	\$ 4,802.00		\$ 4,802.00
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	1	EA	\$ 12,034.00	=	\$ 12,034.00		\$ 12,034.00
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"	20	Tons	\$ 83.00	=	\$ 1,660.00		\$ 1,660.00
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		CY	\$ 116.00				
Drainage Channel Lining, Grass		AC	\$ 1,520.00				
Drainage Channel Lining, Other Stabilization							
Manhole Lid Replacement	8	EA	\$ 500.00				\$ 4,000.00
Cement Treated Subgrade @ 3% for 10"	4,863	SY	\$ 13.00				\$ 63,215.36
Clean Out of Inlets	1	LS	\$ 1,000.00		\$ 1,000.00		\$ 1,000.00
Clean Out of Trash and Debris from Pond Area	1	LS	\$ 1,000.00		\$ 1,000.00		\$ 1,000.00
Pond Trickle Channel and Forebay, Grading, Micropool, Spillway	1	LS	\$ 8,500.00		\$ 8,500.00		\$ 8,500.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
<b>Section 2 Subtotal</b>				=	<b>\$ 341,895.14</b>		<b>\$ 341,895.14</b>

Move the 24" RCP to Section 3. This is private improvement.

Double check on the 18" pipe. Move to section 3 if this is not owned/maintained by the County. Typically storm drain line outside the ROW is private and maintained by the private party (HOA or District) that is maintaining the pond.

Similar comment applies to the FES.

Move all pond estimates to Section 1. The pond is not public infrastructure

Remove maintenance cost from the FAE.

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

PROJECT INFORMATION		
SUNSET VILLAGE FILING NO. 4 - PHASE 1	12/3/2021	CDR-21-008
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
Civil Consulting and Inspections of Pond Infrastructure	1	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"				=	\$ -		\$ -
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		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
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		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>

Remove consulting fee. This is not a construction improvement.

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

PROJECT INFORMATION		
<b>SUNSET VILLAGE FILING NO. 4 - PHASE 1</b>	<b>12/3/2021</b>	<b>CDR-21-008</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

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	= \$	-	\$	-
<b>Total Construction Financial Assurance</b>					<b>\$</b>	<b>365,290.96</b>
<small>(Sum of all section subtotals plus as-builts and pond/BMP certification)</small>						
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>					<b>\$</b>	<b>365,290.96</b>
<small>(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)</small>						
<b>Total Defect Warranty Financial Assurance</b>					<b>\$</b>	<b>68,965.21</b>
<small>(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)</small>						

provide quantities for both the as-built plans and pond certification



**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)  	12/03/2021 Date
Approved by Owner / Applicant	Date
Approved by El Paso County Engineer / ECM Administrator	Date

If you are adding additional rows on section 1 for pond improvements, then update the formula to include the additional rows. Pond estimate is subject to defect warranty.

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

Updated: 12/22/2020

PROJECT INFORMATION		
SUNSET VILLAGE FILING NO. 4 - PHASE 2	12/3/2021	CDR-21-008
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.)	0.42	AC	\$ 828.00	=	\$ 347.76		\$ 347.76
* Mulching	0.42	AC	\$ 777.00	=	\$ 326.34		\$ 326.34
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,453.00	=	\$ 2,453.00		\$ 2,453.00
Silt Fence	400	LF	\$ 2.60	=	\$ 1,040.00		\$ 1,040.00
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 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>					=	\$ 1,548.75	\$ 1,548.75
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
<b>Section 1 Subtotal</b>					=	<b>\$ 6,647.85</b>	<b>\$ 6,647.85</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control	1	LS	\$ 5,000.00	=	\$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)	3,111	SY	\$ 14.50	=	\$ 45,109.50		\$ 45,109.50
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	110	LF	\$ 31.00	=	\$ 3,410.00		\$ 3,410.00
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk	1,072	SY	\$ 62.00	=	\$ 66,477.78		\$ 66,477.78
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	1	EA	\$ 1,190.00	=	\$ 1,190.00		\$ 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	=	\$ -		\$ -

**PROJECT INFORMATION**

**SUNSET VILLAGE FILING NO. 4 - PHASE 2** **12/3/2021** **CDR-21-008**  
**Project Name** **Date** **PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<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	\$ 67.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$ -		\$ -
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	\$ 87.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
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	\$ 5,736.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,894.00	=	\$ -		\$ -
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)		SY	\$ 6.20	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$ -		\$ -
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		CY	\$ 116.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
Manhole Lid Replacement	3	EA	\$ 500.00	=	\$ 1,500.00		\$ 1,500.00
Cement Treated Subgrade @ 3% for 10"	3,521	SY	\$ 13.00	=	\$ 45,776.64		\$ 45,776.64
Clean Out of Inlets	1	LS	\$ 500.00	=	\$ 500.00		\$ 500.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>Section 2 Subtotal</b>				=	<b>\$ 168,963.92</b>		<b>\$ 168,963.92</b>

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

PROJECT INFORMATION		
SUNSET VILLAGE FILING NO. 4 - PHASE 2	12/3/2021	CDR-21-008
Project Name	Date	PCD File No.

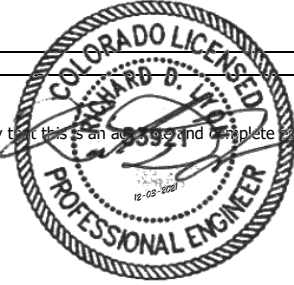
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>WATER SYSTEM IMPROVEMENTS</b>							
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		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
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		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)</b>							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ -</b>	<b>\$ -</b>

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

PROJECT INFORMATION		
<b>SUNSET VILLAGE FILING NO. 4 - PHASE 2</b>	<b>12/3/2021</b>	<b>CDR-21-008</b>
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>

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	=	\$ -		\$ -
<b>Total Construction Financial Assurance</b>					<b>\$</b>	<b>175,611.77</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>175,611.77</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>33,927.60</b>
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Add quantity for As-Build Plans



**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)

Scott Van Wyke

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Approved by Owner / Applicant

12/03/2021

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Date

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Approved by El Paso County Engineer / ECM Administrator

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Date



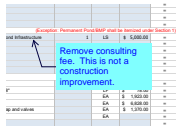
# Financial Assurance Forms\_V3 redline.pdf Markup Summary

dsdlaforce (16)



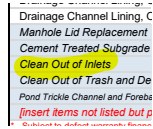
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**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 1/3/2022 11:28:35 AM  
**Status:**  
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provide pedestrian ramp quantities

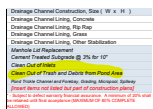


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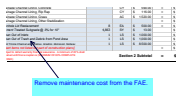
Remove consulting fee. This is not a construction improvement.



**Subject:** Highlight  
**Page Label:** 2  
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**Date:** 1/3/2022 12:03:46 PM  
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**Subject:** Highlight  
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**Date:** 1/3/2022 12:03:48 PM  
**Status:**  
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**Subject:** Callout  
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**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 1/3/2022 12:04:23 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Remove maintenance cost from the FAE.

estn = 5'	EA	\$ 30,265.00
estn = 10'	EA	\$ 12,000.00
estn = 15'	EA	\$ 22,034.00
estn = 20'	EA	\$ 22,045.00
estn = 25'	EA	\$ 30,075.00
estn = 30'	EA	\$ 39,000.00
estn = 35'	EA	\$ 3,000.00
estn = 40'	EA	\$ 23,004.00
estn = 45'	EA	\$ 8,519.00
estn = 50'	EA	\$ 6.00
estn = 55'	EA	\$ 83.00
estn = 60'	EA	\$ 78.00
estn = 65'	EA	\$ 199.00
estn = 70'	EA	\$ 116.00
estn = 75'	EA	\$ 1,426.00

**Subject:** Cloud  
**Page Label:** 2  
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**Date:** 1/3/2022 12:49:39 PM  
**Status:**  
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**Subject:** Callout  
**Page Label:** 2  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 1/3/2022 12:49:54 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Move all pond estimates to Section 1. The pond is not public infrastructure

**Subject:** Callout  
**Page Label:** 8  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 1/3/2022 12:51:26 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Add quantity for As-Build Plans

**Subject:** Callout  
**Page Label:** 2  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 12/21/2021 4:17:40 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

swap the quantities.  
The plans note 50 LF of 18" RCP and 178 LF of 24" RCP

**Subject:** Callout  
**Page Label:** 2  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 12/21/2021 4:23:01 PM  
**Status:**  
**Color:** ■  
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**Space:**

Move the 24" RCP to Section 3. This is private improvement.

Double check on the 18" pipe. Move to section 3 if this is not owned/maintained by the County. Typically storm drain line outside the ROW is private and maintained by the private party (HOA or District) that is maintaining the pond.

Similar comment applies to the FES.

**Subject:** Highlight  
**Page Label:** 1  
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**Author:** dsdlaforce  
**Date:** 12/21/2021 4:24:30 PM  
**Status:**  
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**Layer:**  
**Space:**

an 200,000; \$500,000 min  
eeding (inc. noxious weed mgmt.)  
rosion Control Blanket  
ond/BMP Construction  
ond/BMP (provide engineer's estimate)  
ision Control Blanket  
ig Control

2	EA			
1,620	LF			
0.5	AC			
0.5	AC			
	EA			
	LF			

**Subject:** Highlight  
**Page Label:** 1  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 12/21/2021 4:28:18 PM  
**Status:**  
**Color:** ■  
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**Space:**

1,620	LF	\$	2,000	=	\$
0.5	AC	\$	875.00	=	\$
0.5	AC	\$	777.00	=	\$
4	EA	\$	20.00	=	\$
4	EA	\$	515.00	=	\$
4	EA	\$	172.00	=	\$

Move to the permanent seeding/mulching.

**Subject:** Callout  
**Page Label:** 1  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 12/21/2021 4:28:48 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

Move to the permanent seeding/mulching.

1,620	LF	\$	2,000	=	\$
0.5	AC	\$	875.00	=	\$
0.5	AC	\$	777.00	=	\$
4	EA	\$	20.00	=	\$
4	EA	\$	515.00	=	\$
4	EA	\$	172.00	=	\$

Clarify what pond feature the \$2,000 is for. This is low for the required retrofit.

**Subject:** Callout  
**Page Label:** 1  
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**Author:** dsdlaforce  
**Date:** 12/21/2021 4:29:36 PM  
**Status:**  
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**Layer:**  
**Space:**

Clarify what pond feature the \$2,000 is for. This is low for the required retrofit.

Add the pond improvements to section 1. (outlet structure, emergency spillway, low flow trickle channel, forebay)

These items are subject to defect warranty (\*).

1,620	LF	\$	2,000	=	\$
0.5	AC	\$	875.00	=	\$
0.5	AC	\$	777.00	=	\$
4	EA	\$	20.00	=	\$
4	EA	\$	515.00	=	\$
4	EA	\$	172.00	=	\$

provide quantities for both the as-built plans and pond certification

**Subject:** Callout  
**Page Label:** 4  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 12/21/2021 4:30:33 PM  
**Status:**  
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**Space:**

provide quantities for both the as-built plans and pond certification

1,620	LF	\$	2,000	=	\$
0.5	AC	\$	875.00	=	\$
0.5	AC	\$	777.00	=	\$
4	EA	\$	20.00	=	\$
4	EA	\$	515.00	=	\$
4	EA	\$	172.00	=	\$

If you are adding additional rows on section 1 for pond improvements, then update the formula to include the additional rows. Pond estimate is subject to defect warranty.

**Subject:** Callout  
**Page Label:** 4  
**Lock:** Unlocked  
**Author:** dsdlaforce  
**Date:** 12/21/2021 4:31:58 PM  
**Status:**  
**Color:** ■  
**Layer:**  
**Space:**

If you are adding additional rows on section 1 for pond improvements, then update the formula to include the additional rows. Pond estimate is subject to defect warranty.