

Update to 2022 form

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

PUDSP222

Updated: 12/22/2020

PROJECT INFORMATION		
COPPER CHASE AT STERLING RANCH	12/14/2021	SP XX-XXX
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>								
<b>* Earthwork SUBMITTED WITH DEVELOPMENT PLAN</b>								
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -	
		CY	\$ 6.00	=	\$ -		\$ -	
		CY	\$ 5.00	=	\$ -		\$ -	
	27,505	CY	\$ 3.50	=	\$ 100,000.00		\$ 100,000.00	
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	\$ 828.00	=	\$ -		\$ -	
* Mulching		AC	\$ 777.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket	1,500	SY	\$ 5.00	=	\$ 7,500.00		\$ 7,500.00	
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 87,788.00	=	\$ 87,788.00		\$ 87,788.00	
Safety Fence			3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket			3.00	=	\$ -		\$ -	
Vehicle Tracking Control	1	EA	\$ 2,453.00	=	\$ 2,453.00		\$ 2,453.00	
Silt Fence	1,806	LF	\$ 2.60	=	\$ 4,695.60		\$ 4,695.60	
Temporary Seeding	20	AC	\$ 650.00	=	\$ 13,000.00		\$ 13,000.00	
Temporary Mulch	20	AC	\$ 777.00	=	\$ 15,540.00		\$ 15,540.00	
Erosion Bales	19	EA	\$ 26.00	=	\$ 494.00		\$ 494.00	
Erosion Logs/Straw Waddle	380	LF	\$ 5.00	=	\$ 1,900.00		\$ 1,900.00	
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -	
Inlet Protection	13	EA	\$ 173.00	=	\$ 2,249.00		\$ 2,249.00	
Sediment Basin	2	EA	\$ 1,824.00	=	\$ 3,648.00		\$ 3,648.00	
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -	
CWA shown on plans, add quantity here.				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 15,392.86		\$ 15,392.86
<b>Section 1 Subtotal</b>					=	<b>\$ 254,660.46</b>		<b>\$ 254,660.46</b>

Did not see any ECB on GEC plan

Provide engineer's estimate at end of this document

CWA shown on plans, add quantity here.

Please remove roadway items until Final Plat submittal

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>							
<b>ROADWAY IMPROVEMENTS</b>							
Construction Traffic Control	1	LS	\$ 8,000.00	=	\$ 8,000.00		\$ 8,000.00
Aggregate Base Course (135 lbs/cf)	2,416	Tons	\$ 29.00	=	\$ 70,064.00		\$ 70,064.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) 5" thick	12,970	SY	\$ 25.00	=	\$ 324,250.00		\$ 324,250.00
Raised Median, Paved (MEDIAN COVER)		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign	8	EA	\$ 311.00	=	\$ 2,488.00		\$ 2,488.00
Guide/Street Name Sign	8	EA	\$ 250.00	=	\$ 2,000.00		\$ 2,000.00
Epoxy Pavement Marking		LF	\$ 1.00	=	\$ -		\$ -
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)	7,700	LF	\$ 15.00	=	\$ 115,500.00		\$ 115,500.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 22.00	=	\$ -		\$ -
4" Sidewalk (common asphalt)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk	4,207	SY	\$ 62.00	=	\$ 260,834.00		\$ 260,834.00
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	25	EA	\$ 1,190.00	=	\$ 29,750.00		\$ 29,750.00
Cross Pan, local (8" thick)		LF	\$ 63.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		EA	\$ 3,200.00	=	\$ -		\$ -
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**

**COPPER CHASE AT STERLING RANCH** 12/14/2021 SP XX-XXX

**Project Name** Date PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
		LF	\$ 20.00	=	\$ -		\$ -
		LF	\$ 50.00	=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 45.00	=	\$ -		\$ -
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 = 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	\$ 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"		CY	\$ 65.00	=	\$ -		\$ -
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				=	\$ -		\$ -
CUSTOM MANHOLE		EA	\$ 5,000.00	=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -

PROJECT INFORMATION		
COPPER CHASE AT STERLING RANCH	12/14/2021	SP XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)				
						% Complete	Remaining			
* - Subject to defect warranty financial assurance. A minimum of 20% shall						Section 2 Subtotal	=	\$ 812,886.00		\$ 812,886.00

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

Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2	EA	\$ 7,440.00	=	\$ 14,880.00		\$ 14,880.00
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	5	EA	\$ 11,005.00	=	\$ 55,025.00		\$ 55,025.00
Grated Inlet (Type C), Depth < 5'	1	EA	\$ 4,802.00	=	\$ 4,802.00		\$ 4,802.00
Storm Sewer Manhole, Slab Base	5	EA	\$ 6,619.00	=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe	440	LF	\$ 81.00	=	\$ 35,640.00		\$ 35,640.00
Type 1 MH	1	EA	\$ 12,034.00	=	\$ 12,034.00		\$ 12,034.00
24" FES		EA	\$ 2,100.00	=	\$ -		\$ -
18" Reinforced Concrete Pipe	890	LF	\$ 45.00	=	\$ 40,050.00		\$ 40,050.00
42" Reinforced Concrete Pipe	37	LF	\$ 174.00	=	\$ 6,438.00		\$ 6,438.00
30" Reinforced Concrete Pipe	20	LF	\$ 100.00	=	\$ 2,000.00		\$ 2,000.00
<b>WATER SYSTEM IMPROVEMENT:</b>							
Water Main Pipe (PVC), Size 8"	3,925	LF	\$ 60.00	=	\$ 235,500.00		\$ 235,500.00
Water Main Pipe (Ductile Iron), Siz		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"	12	EA	\$ 1,923.00	=	\$ 23,076.00		\$ 23,076.00
Fire Hydrant Assembly, w/ all valv	8	EA	\$ 2,500.00	=	\$ 20,000.00		\$ 20,000.00
Water Service Line Installation, inc	4,472	EA	\$ 1,370.00	=	\$ 6,126,640.00		\$ 6,126,640.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
[insert items not listed but part of construction plans]							
<b>SANITARY SEWER IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
Sewer Main Pipe (PVC), Size 8"	3,643	LF	\$ 66.00	=	\$ 240,438.00		\$ 240,438.00
Sanitary Sewer Manhole, Depth < 15 feet	16	EA	\$ 4,540.00	=	\$ 72,640.00		\$ 72,640.00
Sanitary Service Line Installation, complete	138	EA	\$ 1,451.00	=	\$ 200,238.00		\$ 200,238.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
[insert items not listed but part of construction plans]							
<b>LANDSCAPING IMPROVEMENTS</b>							
LANDSCAPING IMPROVEMENTS	1	EA	\$ 209,717.00	=	\$ 209,717.00		\$ 209,717.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -

Only include items which would be constructed under early grading. Remove all other items until Final Plat submittal.

PROJECT INFORMATION		
COPPER CHASE AT STERLING RANCH	12/14/2021	SP XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	=	Total	(with Pre-Plat Construction)	
						% Complete	Remaining
** - Section 3 is not subject to defect warranty requirements		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 7,299,118.00</b>	<b>\$ 7,299,118.00</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	\$ -	=	\$ -		\$ -
<b>Total Construction Financial Assurance</b>						<b>\$ 8,368,164.46</b>	
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
<b>Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$ 8,368,164.46</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>\$ 201,634.80</b>	
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)							


Please remove. Pond As-Built should have been accounted for in whatever Filing the Pond was built with.

**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.

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Engineer (P.E. Seal Required)



Update date

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

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

# PUDSP22002-R1-Financial Assurance Forms.pdf Markup Summary

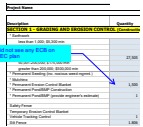
CDurham (7)

Update to 2022 form

2021 Financial Assuran  
(with pre-plat construct

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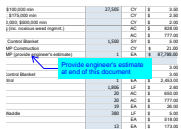
Update to 2022 form



Item	Quantity	Unit	Price
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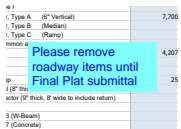
Did not see any ECB on GEC plan



Item	Quantity	Unit	Price
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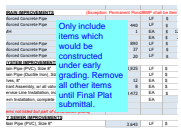
Provide engineer's estimate at end of this document



Item	Quantity	Unit	Price
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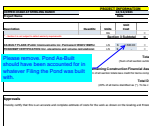
Please remove roadway items until Final Plat submittal



Item	Quantity	Unit	Price
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Only include items which would be constructed under early grading. Remove all other items until Final Plat submittal.



Item	Quantity	Unit	Price
...	...	...	...

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Please remove. Pond As-Built should have been accounted for in whatever Filing the Pond was built with.



Update date

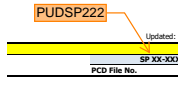
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Update date

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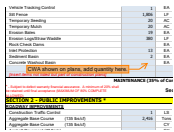
Glenn Reese - EPC Stormwater (2)

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PUDSP222



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CWA shown on plans, add quantity here.