Value inputted for "Permanent Pond/BMP (provide engineer's estimate)" should match the total value shown in the Engineer's Cost Estimate for the PBMP in the FDR, which is \$100k

SF2323

2023 Financial Assurance Estimate Form

(with pre-plat construction)

PROJECT INFORMATION

7/17/2023

Updated: 12/8/2022

ject Name			Date		PCD File No.			
			Unit	/		(with Pre-Plat Construction)		
scription CTION 1 - GRADING AND EROSION CONTRO	Quantity	Units	Cost		Total	% Complete Remaining		
Earthwork	VE (Construction	and Ferma	ilelit birirs)					
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	175,000	CY	\$ 2.50	=	\$ 437,500.00	\$ 437,500		
greater than 200,000; \$500,000 min	275/555	CY	\$ 2.00	=	\$ -	\$		
Permanent Erosion Control Blanket	1,978.0	SY	\$ 8.00	=	\$ 15,824.00	\$ 15,824		
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1,376.0	AC	\$ 1,875.00		\$ 19,687.50	\$ 19,687		
Permanent Pond/BMP (provide engineer's estimate)	10.5	EA	\$200,000.00		\$ 200,000.00	\$ 200,000		
Concrete Washout Basin	1	EA	\$ 1,089.00		\$ 1,089.00	\$ 200,000		
nlet Protection	9	EA	\$ 202.00		\$ 1,818.00	\$ 1,818		
	21		\$ 605.00			· · · · · · · · · · · · · · · · · · ·		
Rock Check Dam	21	EA						
afety Fence		LF	\$ 3.00	=	\$ -	\$ 2.122		
ediment Basin	1	EA	\$ 2,132.00	=	\$ 2,132.00	\$ 2,132		
ediment Trap		EA	\$ 500.00	=	\$ -	\$		
ilt Fence	615	LF	\$ 3.00	=	\$ 1,845.00	\$ 1,845		
lope Drain		LF	\$ 40.00		\$ -	\$		
traw Bale		EA	\$ 31.00	=	\$ -	\$		
traw Wattle/Rock Sock	36	LF	\$ 7.00	=	\$ 252.00	\$ 252		
urface Roughening		AC	\$ 250.00		\$ -	\$		
emporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -	\$		
emporary Seeding and Mulching		AC	\$ 1,666.00	=	\$ -	\$		
ehicle Tracking Control	1	EA	\$ 2,867.00	=	\$ 2,867.00	\$ 2,867		
				=	\$ -	\$		
nsert items not listed but part of construction plans]				=	\$ -	\$		
	INTENANCE (35°	∕o of Constr	uction PMDc\	=	\$ 7,566.65	\$ 7,566		
				_				
	INTERACE (55		•	_		· ·		
ubject to defect warranty financial assurance. A minimum of 20% shall stained until final acceptance (MAXIMUM OF 80% COMPLETE DWED)	INTENANCE (33		on 1 Subtotal	=	\$ 703,286.15	\$ 703,286.		
ubject to defect warranty financial assurance. A minimum of 20% shall stained until final acceptance (MAXIMUM OF 80% COMPLETE DWED)	INTERNAL (33		•			· ·		
ubject to defect warranty financial assurance. A minimum of 20% shall tained until final acceptance (MAXIMUM OF 80% COMPLETE WED) CTION 2 - PUBLIC IMPROVEMENTS *	INTERNACE (33		•			· ·		
ubject to defect warranty financial assurance. A minimum of 20% shall tained until final acceptance (MAXIMUM OF 80% COMPLETE WED)	INTERNACE (33	Section	•		\$ 703,286.15	\$ 703,286.		
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bject to defect warranty financial assurance. A minimum of 20% shall ained until final acceptance (MAXIMUM OF 80% COMPLETE WED) CTION 2 - PUBLIC IMPROVEMENTS Onstruction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (145 lbs/cf) ggregate Base Course (147 lbs/cf) ggregate Base Course (148 lbs/cf) ggregate Base (148 lbs/cf) ggregate Base Course (148 lbs/cf) ggregate Base Course (148 lbs/cf) ggregate Base Course (148 lbs/cf) ggregate Base (148 lbs/cf) ggregate Base (148 lbs/cf) ggregate Base Course (148 lbs/cf) ggregate Base Course (148 lbs/cf) ggregate Base (148 lbs/cf) ggregate Ba		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY LF EA LF	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 106.00 \$ 10.00 \$ 364.00 \$ 28.00 \$ 241.00 \$ 29.00 \$ 35.00 \$ 35.00 \$ 35.00 \$ 116.00 \$ 37.00 \$ 1,390.00 \$ 1,790.00 \$ 1,790.00 \$ 1,790.00		\$ 703,286.15 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 703,286.		
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bject to defect warranty financial assurance. A minimum of 20% shall aimed until final acceptance (MAXIMUM OF 80% COMPLETE WED) CTION 2 - PUBLIC IMPROVEMENTS DOMAY IMPROVEMENTS DISTRUCTION Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) gsphalt Pavement (3" thick) sphalt Pavement (4" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (14" lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign Dooxy Pavement Marking Dearmoplastic Pavement Marking Dearmopla		Section LS Tons CY SY SY Tons SF EA EA LF LF LF LF SY SY SY EA LF LF LF LF LF LF LF LF LF L	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 106.00 \$ 10.00 \$ 364.00 \$ 28.00 \$ 241.00 \$ 29.00 \$ 35.00 \$ 35.00 \$ 16.00 \$ 29.00 \$ 17.00 \$ 35.00 \$ 17.00 \$ 37.00 \$ 17.00 \$ 1		\$ 703,286.15 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 703,286.		
bject to defect warranty financial assurance. A minimum of 20% shall ained until final acceptance (MAXIMUM OF 80% COMPLETE WED) CTION 2 - PUBLIC IMPROVEMENTS onstruction Traffic Control ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (135 lbs/cf) sphalt Pavement (147 lbs/cf) sp		LS Tons CY SY SY SY Tons SF EA EA EA LF	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 35.00 \$ 106.00 \$ 10.00 \$ 364.00 \$ 28.00 \$ 241.00 \$ 29.00 \$ 35.00 \$ 35.00 \$ 16.00 \$ 29.00 \$ 35.00 \$ 10.00 \$ 1		\$ 703,286.15 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 703,286.		
bject to defect warranty financial assurance. A minimum of 20% shall aimed until final acceptance (MAXIMUM OF 80% COMPLETE WED) CTION 2 - PUBLIC IMPROVEMENTS Onstruction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median)		Section LS Tons CY SY SY Tons SF EA EA LF LF LF LF SY SY SY EA LF LF LF LF LF LF LF LF LF L	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 106.00 \$ 10.00 \$ 364.00 \$ 28.00 \$ 241.00 \$ 29.00 \$ 35.00 \$ 35.00 \$ 16.00 \$ 29.00 \$ 17.00 \$ 35.00 \$ 17.00 \$ 37.00 \$ 17.00 \$ 1		\$ 703,286.15 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 703,286.		

PROJECT INFORMATION						
Haven Valley	7/17/2023					
Project Name	Date	PCD File No.				

		Unit			(with Pre-Plat Construction)		
Description	Quantity	Units	Cost		Total	% Complete	Remaining
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
TORM DRAIN IMPROVEMENTS					T .		
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 76.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 112.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 642.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)		EA	ψ 012100	=	\$ -		\$ -
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	\$ 6,703.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00		\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00		\$ -		
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$ -		\$ - \$ -
Geotextile (Erosion Control)		SY	\$ 7,734.00				\ \display
Rip Rap, d50 size from 6" to 24"		Tons		=	\$ -		\$ -
Rip Rap, Grouted			\$ 97.00 \$ 115.00	=			
		Tons	-		Ψ		Ψ
Drainage Channel Lining Congrete		LF	\$ -	=	Ψ		Ψ
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$ -		4
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	-		\$ -
Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED)		Section	on 2 Subtotal	=	\$ -		\$ -

PROJECT INFORMATION						
Haven Valley	7/17/2023					
Project Name	Date	PCD File No.				

			l	Jnit				(with Pre	-Plat Construc	tion)
Description	Quantity	Units	ر	cst		Total		% Complete	Remair	ning
SECTION 3 - COMMON DEVELOPMENT IMPROV	EMENTS (Priv	ate or Dis	trict a	and NO	T Maintaiı	ned by EPC)**				
ROADWAY IMPROVEMENTS				7						
					=	\$	-		\$	-
				1	=	\$	-		\$	-
					=	\$	-		\$	-
					=	\$	-		\$	-
				~~	=	\$	-		\$	-
)	=	\$	-		\$	-
STORM DRAIN IMPROVEMENTS (Exception	on: Permanent Pon	d/BMP shall b	oe itemi	zed unde	r Section 1)					
				ノ	=	\$	-		\$	-
					=	\$	-		\$	-
					=	\$	-		\$	-
				ノ	=	\$	-		\$	-
					=	\$	-		\$	-
				_ <	=	\$	-		\$	-
WATER SYSTEM IMPROVEMENTS		ددد	L L	ょノ	ЕШа	ust with				
Water Main Pipe (PVC), Size 8"		LF	\$	78.00		out with	-		\$	-
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	91.00	guar	ntities.	-		\$	-
Gate Valves, 8"		EA	-	,247.00			-		\$	-
Fire Hydrant Assembly, w/ all valves		EA		,978.00	=	\$	-		\$	-
Water Service Line Installation, inc. tap and valves		EA	\$ 1	,601.00	=	\$	-		\$	-
Fire Cistern Installation, complete		EA			=	\$	-		\$	-
					=	\$	-		\$	-
[insert items not listed but part of construction plans]					=	\$	-		\$	-
SANITARY SEWER IMPROVEMENTS				70.05					_	
Sewer Main Pipe (PVC), Size 8"		LF.	\$	78.00	=	\$	-		\$	-
Sanitary Sewer Manhole, Depth < 15 feet		EA		,305.00	=	\$	-		\$	-
Sanitary Service Line Installation, complete		EA EA	\$ 1	,696.00	=	\$	-		\$	-
Sanitary Sewer Lift Station, complete		EA			=	\$	-		\$	-
[insert items not listed but part of construction plans]						\$	-		\$	
	or subdivision spe	ocific condition	of ann	roval or l		φ	-		Þ	-
ENTROOPE IN THE INVESTIGATION	or aupulvision spe	EA	тогарр	iovai, Ul I	= =	\$	_		\$	_
Please provide landscaping		EA				\$	-		\$	
		EA				\$	-		\$	
improvements		EA				\$	-		\$	
		EA				\$			\$	
** - Section 3 is not subject to defect warranty requirements		Section	n 3 Sı	ibtotal	_	¢	_		\$	_
		Jection		abitutal	_	.			P	

		PROJECT I	NFORMATI	ON					
Haven Valley			7/17/2023						
Project Name	Date				PCD File No.				
	Unit				(with Pre-Plat Construction)				
Description	Quantity	Units	Cost		Total	% Complete	Remaining		
AS-BUILT PLANS (Public Improvements inc. Permanent W	QCV BMPs)	LS		=	\$ -	\$	-		
POND/BMP CERTIFICATION (inc. elevations and volume c	alculations)	LS		=	\$ -	\$	-		
Input costs for these two items.		-	ruction Fina	ection subto	I Construction Finance tals plus as-builts and pondurance (with Pre-Platete plus as-builts and pondure	BMP certification) Construction) \$			
				Total De	efect Warranty Financ	ial Assurance \$	134,602.30		
		(20% of all item	ns identified as		lateralized at time of prelim		107/002:00		
		(20% 01 411	no idonanoc do	(). 10 00 00	materalized at time of promi	mary acceptance,			
L									
Approvals I hereby certify that this is an accurate and complete estimate	e of costs for the wo	ork as shown o	n the Grading a	and Erosion (Control Plan and Construction	on Drawings associated	d with the Project.		
Engineer (P.E. Seal Required)		_			555 <u>.</u>	222 <u>.</u>			
Approved by Owner / Applicant		_	Date						
Approved by El Paso County Engineer / ECM Administrator		_	Date						