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

SF2211

Updated: 12/22/2020

PROJECT INFORMATION		
Walden Preserve 2 - Filing No. 5 (50 lots)	1/10/2022	
Project Name	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		CY	\$ 5.00	=	\$ -		\$ -	
20,001-50,000; \$100,000 min	26,655	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.)	8	AC	\$ 828.00	=	\$ 6,624.00		\$ 6,624.00	
* Mulching	8	AC	\$ 777.00	=	\$ 6,216.00		\$ 6,216.00	
* Permanent Erosion Control Blanket	3,415	SY	\$ 6.00	=	\$ 20,490.00		\$ 20,490.00	
* Permanent Pond/BMP Construction	6,820	CY	\$ 21.00	=	\$ 143,220.00		\$ 143,220.00	
* Permanent Pond/BMP (Pond C8 Forebays/Outlet)	1	EA	\$ 15,000.00	=	\$ 15,000.00		\$ 15,000.00	
* Permanent Pond/BMP (Rain Gardens C4 & C12)	2	EA	\$ 10,000.00	=	\$ 20,000.00		\$ 20,000.00	
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	3,000	LF	\$ 2.60	=	\$ 7,800.00		\$ 7,800.00	
Temporary Seeding	1	AC	\$ 650.00	=	\$ 650.00		\$ 650.00	
Temporary Mulch	1	AC	\$ 777.00	=	\$ 777.00		\$ 777.00	
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -	
Erosion Logs/Straw Waddle	216	LF	\$ 5.00	=	\$ 1,080.00		\$ 1,080.00	
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -	
Inlet Protection	5	EA	\$ 173.00	=	\$ 865.00		\$ 865.00	
Sediment Basin	3	EA	\$ 1,824.00	=	\$ 5,472.00		\$ 5,472.00	
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 7,868.70		\$ 7,868.70
Section 1 Subtotal					=	\$ 341,900.70		\$ 341,900.70

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

SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control	1	LS	\$ 2,000.00	=	\$ 2,000.00		\$ 2,000.00
Aggregate Base Course (135 lbs/cf)	5,570	Tons	\$ 29.00	=	\$ 161,530.00		\$ 161,530.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)	16,060	SY	\$ 20.00	=	\$ 321,200.00		\$ 321,200.00
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	5	EA	\$ 311.00	=	\$ 1,555.00		\$ 1,555.00
Guide/Street Name Sign	6	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)		LF	\$ 31.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
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	\$ 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

Walden Preserve 2 - Filing No. 5 (50 lots) **1/10/2022** **PCD File No.**

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]				=	\$ -		\$ -	
[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	252	LF	\$ 67.00	=	\$ 16,884.00		\$ 16,884.00	
24" Reinforced Concrete Pipe	116	LF	\$ 81.00	=	\$ 9,396.00		\$ 9,396.00	
30" Reinforced Concrete Pipe	93	LF	\$ 100.00	=	\$ 9,300.00		\$ 9,300.00	
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" <small>(unit cost = 6x pipe unit cost)</small>	6	EA	\$ 402.00	=	\$ 2,412.00		\$ 2,412.00	
Flared End Section (FES) CSP Size = 24" <small>(unit cost = 6x pipe unit cost)</small>	2	EA	\$ 486.00	=	\$ 972.00		\$ 972.00	
Flared End Section (FES) RCP Size = 30" <small>(unit cost = 6x pipe unit cost)</small>	2	EA	\$ 600.00	=	\$ 1,200.00		\$ 1,200.00	
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'		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"	32	Tons	\$ 83.00	=	\$ 2,656.00		\$ 2,656.00	
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				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
Section 3 Subtotal					=	\$ 529,105.00		\$ 529,105.00

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

Add quantities for the trail realignment. Place in Section 3 if not maintained by the County

PROJECT INFORMATION

Walden Preserve 2 - Filing No. 5 (50 lots)	1/10/2022	
Project Name	Date	PCD File No.

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

				=	\$	-		\$	-
				=	\$	-		\$	-
				=	\$	-		\$	-
				=	\$	-		\$	-
				=	\$	-		\$	-
				=	\$	-		\$	-

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

12" HDPE Storm Pipe	132	LF	\$ 60.00	=	\$	7,920.00		\$	7,920.00	*
24" HDPE Storm Pipe	100	LF	\$ 81.00	=	\$	8,100.00		\$	8,100.00	*
Flared End Section (FES) RCP Size = 12" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 360.00	=	\$	720.00		\$	720.00	*
Flared End Section (FES) CSP Size = 24" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 486.00	=	\$	486.00		\$	486.00	*
Rip Rap, d50 size from 6" to 24"	10	Tons	\$ 83.00	=	\$	830.00		\$	830.00	*
				=	\$	-		\$	-	

WATER SYSTEM IMPROVEMENTS

Water Main Pipe (PVC), Size 8"	943	LF	\$ 66.00	=	\$	62,238.00		\$	62,238.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$	-		\$	-	
Gate Valves, 8"	3	EA	\$ 1,923.00	=	\$	5,769.00		\$	5,769.00	
Fire Hydrant Assembly, w/ all valves	3	EA	\$ 6,828.00	=	\$	20,484.00		\$	20,484.00	
Water Service Line Installation, inc. tap and valves	50	EA	\$ 1,370.00	=	\$	68,500.00		\$	68,500.00	
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"	4,849	LF	\$ 66.00	=	\$	320,034.00		\$	320,034.00	
Sanitary Sewer Manhole, Depth < 15 feet	18	EA	\$ 4,540.00	=	\$	81,720.00		\$	81,720.00	
Sanitary Service Line Installation, complete	50	EA	\$ 1,451.00	=	\$	72,550.00		\$	72,550.00	
Sanitary Sewer Lift Station, complete		EA		=	\$	-		\$	-	
				=	\$	-		\$	-	
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$	-	

LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)

		EA		=	\$	-		\$	-
		EA		=	\$	-		\$	-
		EA		=	\$	-		\$	-
		EA		=	\$	-		\$	-
		EA		=	\$	-		\$	-

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

Section 3 Subtotal	=	\$ 649,351.00		\$ 649,351.00
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Update As-Built at a minimum \$2,000 per WQ/detention facility.

PROJECT INFORMATION		
Walden Preserve 2 - Filing No. 5 (50 lots)	1/10/2022	
Project Name	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	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
Total Construction Financial Assurance						\$	1,526,356.70
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	1,526,356.70
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	168,131.00
(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