

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

PROJECT INFORMATION		
Homestead North Filing No. 1	9/9/2022	SF2213
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plate 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		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	\$150,000.00	= \$ 150,000.00	1	\$ 150,000.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,825.00	= \$ -		\$ -
Silt Fence		LF	\$ 3.00	= \$ -		\$ -
Temporary Seeding		AC	\$ 695.00	= \$ -		\$ -
Temporary Mulch		EA	\$ 28.00	= \$ -		\$ -
Erosion Bales		EA	\$ 28.00	= \$ -		\$ -
Erosion Logs/Straw Wattles		LF	\$ 6.00	= \$ -		\$ -
Rock Check Dams		EA	\$ 554.00	= \$ -		\$ -
Inlet Protection		EA	\$ 185.00	= \$ -		\$ -
Sediment Basin		EA	\$ 1,952.00	= \$ -		\$ -
Concrete Washout Basin		EA	\$ 997.00	= \$ -		\$ -
<i>(insert items not listed but part of construction plans)</i>						
				MAINTENANCE (35% of Construction BMPs)	= \$ -	\$ -
				Section 1 Subtotal	= \$ 150,000.00	\$ 150,000.00

See comment letter

SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control	1	LS	\$ 5,000.00	= \$ 5,000.00		\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)	3,047	CY	\$ 56.00	= \$ 170,632.00		\$ 170,632.00
Asphalt Pavement (3" thick)		SY	\$ 16.00	= \$ -		\$ -
Asphalt Pavement (4" thick)	13,646	SY	\$ 21.00	= \$ 286,566.00		\$ 286,566.00
Asphalt Pavement (6" thick)		SY	\$ 32.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 97.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 9.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign	9	EA	\$ 333.00	= \$ 2,997.00		\$ 2,997.00
Guide/Street Name Sign	9	EA	\$ 400.00	= \$ 3,600.00		\$ 3,600.00
Epoxy Pavement Marking		SF	\$ 15.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 26.00	= \$ -		\$ -
Barricade - Type 3		EA	\$ 221.00	= \$ -		\$ -
Delineator - Type 1		EA	\$ 27.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	1,976	LF	\$ 32.00	= \$ 63,232.00		\$ 63,232.00
Curb and Gutter, Type B (Median)		LF	\$ 32.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)	4,975	LF	\$ 32.00	= \$ 159,200.00		\$ 159,200.00
4" Sidewalk (common areas only)		SY	\$ 53.00	= \$ -		\$ -
5" Sidewalk		SY	\$ 66.00	= \$ -		\$ -
6" Sidewalk	910	SY	\$ 80.00	= \$ 72,800.00		\$ 72,800.00
8" Sidewalk		SY	\$ 108.00	= \$ -		\$ -
Pedestrian Ramp	18	EA	\$ 1,273.00	= \$ 22,914.00		\$ 22,914.00
Cross Pan, local (8" thick, 6' wide to include return)	560	LF	\$ 67.00	= \$ 37,520.00		\$ 37,520.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 102.00	= \$ -		\$ -
Curb Chase		EA	\$ 1,839.00	= \$ -		\$ -
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	= \$ -		\$ -

could be 5" or 4"?

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Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
STORM DRAIN IMPROVEMENTS						
Concrete Box Culvert (M Standard), Size (W x H)		LF		\$ -		\$ -
18" Reinforced Concrete Pipe	824	LF	\$ 70.00	\$ 57,680.00		\$ 57,680.00
24" Reinforced Concrete Pipe	1,538	LF	\$ 83.00	\$ 127,654.00		\$ 127,654.00
30" Reinforced Concrete Pipe		LF	\$ 104.00			
36" Reinforced Concrete Pipe	88	LF	\$ 128.00	\$ 11,264.00		\$ 11,264.00
42" Reinforced Concrete Pipe		LF	\$ 171.00			
48" Reinforced Concrete Pipe	292	LF	\$ 209.00	\$ 61,028.00		\$ 61,028.00
54" Reinforced Concrete Pipe		LF	\$ 272.00			
60" Reinforced Concrete Pipe	1,413	LF	\$ 319.00	\$ 450,747.00		\$ 450,747.00
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 = 48 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 800.00	\$ 800.00		\$ 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'	3	EA	\$ 7,981.00	\$ 23,943.00		\$ 23,943.00
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'	2	EA	\$ 8,706.00	\$ 17,412.00		\$ 17,412.00
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'	4	EA	\$ 11,775.00	\$ 47,100.00		\$ 47,100.00
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'	2	EA	\$ 12,920.00	\$ 25,840.00		\$ 25,840.00
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00			
Grated Inlet (Type D), Depth < 5'	4	EA	\$ 6,347.00	\$ 25,388.00		\$ 25,388.00
Storm Sewer Manhole, Box Base	4	EA	\$ 12,876.00	\$ 51,504.00		\$ 51,504.00
Storm Sewer Manhole, Slab Base	9	EA	\$ 7,082.00	\$ 63,738.00		\$ 63,738.00
Geotextile (Erosion Control)		SY	\$ 7.00			
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00			
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						
<i>[insert items not listed but part of construction plans]</i>						
Section 2 Subtotal				\$ 1,788,559.00		\$ 1,788,559.00

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

PROJECT INFORMATION

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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							
Noise Wall - BGP-Volmer	1,800	LF	\$ 70.00	=	\$ 126,000.00		\$ 126,000.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS <i>(Exception Permanent Pond/BMP shall be itemized under Section 1)</i>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
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		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
				=	\$ -		\$ -
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		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS <i>(For subdivision specific condition of approval, or PUD)</i>							
LS Tracts and Buffers	11,000	SF	\$ 3.75	=	\$ 41,250.00		\$ 41,250.00
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
Section 3 Subtotal					\$ 167,250.00		\$ 167,250.00

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

See comment letter

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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	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (Inc. elevations and volume calculations)		LS	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
Total Construction Financial Assurance						\$ 2,125,809.00
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 2,125,809.00
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 387,711.80
(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.

Mike Bullett

 Engineer (P.E. Seal Required)

Samuel H. [Signature]

 Approved by Owner / Applicant

 Approved by El Paso County Engineer / ECM Administrator

9/9/2022

 Date

