

Please use the 2022 FAE form

Please update file number

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

Updated: 12/22/2020

PROJECT INFORMATION		
North Bay at Lake Woodmoor	6/3/2022	SF- -
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	20,000	CY	\$ 5.00	=	\$ 100,000.00		\$ 100,000.00	
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	\$ 828.00	=	\$ -		\$ -	
* Mulching		AC	\$ 777.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket	950	SY	\$ 6.00	=	\$ 5,700.00		\$ 5,700.00	
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
18" Reinforced Concrete Pipe	239	LF	\$ 65.00	=	\$ 15,552.55		\$ 15,552.55	
End Treatment - Cutoff Wall	1	EA	\$ 880.00	=	\$ 880.00		\$ 880.00	
Flared End Section (FES) RCP Size 18"	1	EA	\$ 390.00	=	\$ 390.00		\$ 390.00	
18" Reinforced Concret Pipe (RCP) Prefab. Bend	2	EA	\$ 1,000.00	=	\$ 2,000.00		\$ 2,000.00	
Water Quality Basin Outlet Structure (Type D Inlet )	3	EA	\$ 5,731.00	=	\$ 17,193.00		\$ 17,193.00	
Stormceptor	1	EA	\$ 23,000.00	=	\$ 23,000.00		\$ 23,000.00	
Rain Garden w/ Underdrain System	3	EA	\$ 7,000.00	=	\$ 21,000.00		\$ 21,000.00	
Gravel Maintenance Access Trail	137	SY	\$ 20.00	=	\$ 2,740.00		\$ 2,740.00	
Rip Rap, d50 size from 6" to 24"	87	CY	\$ 100.00	=	\$ 8,660.00		\$ 8,660.00	
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	1,910	LF	\$ 2.60	=	\$ 4,966.00		\$ 4,966.00	
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -	
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -	
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -	
Erosion Logs/Straw Waddle	2,340	LF	\$ 5.00	=	\$ 11,700.00		\$ 11,700.00	
Rock Check Dams	1	EA	\$ 518.00	=	\$ 518.00		\$ 518.00	
Inlet Protection	11	EA	\$ 173.00	=	\$ 1,903.00		\$ 1,903.00	
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00	
Rock Sock	5	EA	\$ 140.00	=	\$ 700.00		\$ 700.00	
Sediment Basin	3	EA	\$ 1,762.00	=	\$ 5,286.00		\$ 5,286.00	
Stabilized Staging Area	1	EA	\$ 6,000.00	=	\$ 6,000.00		\$ 6,000.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					=	\$ 12,918.85		\$ 12,918.85
* - Subject to defect warranty financial assurance. A minimum of 20% shall								
<b>Section 1 Subtotal</b>					=	<b>\$ 246,945.40</b>		<b>\$ 246,945.40</b>

**SECTION 2 - PUBLIC IMPROVEMENTS \***

**ROADWAY IMPROVEMENTS**

Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
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) ___" 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)		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	=	\$ -		\$ -

**PROJECT INFORMATION**

<b>North Bay at Lake Woodmoor</b>	<b>6/3/2022</b>	<b>SF- -</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
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	=	\$ -		\$ -
Handrail (along headwalls)		LF	\$ 130.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -
		EA		=	\$ -		\$ -
[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		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 =				=	\$ -		\$ -
(unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
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	\$ 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	=	\$ -		\$ -
Type M Soil Rip Rap, d50=12"		CY	\$ 85.00	=	\$ -		\$ -
Type M Void-Filled Rip Rap, d50=12"		CY	\$ 100.00	=	\$ -		\$ -

PROJECT INFORMATION							
North Bay at Lake Woodmoor		6/3/2022		SF- -			
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
Concrete Grade Control Structure		CY	\$ 800.00	=	\$ -		\$ -
				=	\$ -		\$ -
* - Subject to defect warranty financial assurance. A minimum of 20% shall							
<b>Section 2 Subtotal</b>				=	\$ -		\$ -
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
5" Sidewalk (common areas only)	1,148	SY	\$ 60.00	=	\$ 68,880.00		\$ 68,880.00
Curb and Gutter, Type C (Ramp)	2,217	LF	\$ 30.00	=	\$ 66,510.00		\$ 66,510.00
Pedestrian Ramp		EA	\$ 1,150.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf)	852	TON	\$ 88.00	=	\$ 74,936.76		\$ 74,936.76
Aggregate Base Course (135 lbs/cf)	626	TON	\$ 28.00	=	\$ 17,517.65		\$ 17,517.65
Gravel Trail	294	SY	\$ 20.00	=	\$ 5,880.00		\$ 5,880.00
<b>STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)</b>							
18" RCP	499	LF	\$ 67.00	=	\$ 33,420.27		\$ 33,420.27
24" RCP	240	LF	\$ 81.00	=	\$ 19,440.00		\$ 19,440.00
78" RCP	393	LF	\$ 525.00	=	\$ 206,356.50		\$ 206,356.50
Concrete Box Culvert (M Standard), Size (8'W x 5'H)	53	LF	\$ 1,300.00	=	\$ 68,458.00		\$ 68,458.00
Flared End Section (FES) RCP Size 18"	1	EA	\$ 402.00	=	\$ 402.00		\$ 402.00
18" Reinforced Concret Pipe (RCP) Prefab. Bend	1	EA	\$ 1,000.00	=	\$ 1,000.00		\$ 1,000.00
End Treatment - Cutoff Wall	2	EA	\$ 880.00	=	\$ 1,760.00		\$ 1,760.00
Curb Inlet (Type R) L=5'	3	EA	\$ 5,500.00	=	\$ 16,500.00		\$ 16,500.00
Curb Inlet (Type R) L=10' <span style="margin-left: 20px;"><i>5' &lt; D &lt; 10'</i></span>	1	EA	\$ 7,861.00	=	\$ 7,861.00		\$ 7,861.00
Grated Inlet (Type C)	1	EA	\$ 4,000.00	=	\$ 4,000.00		\$ 4,000.00
Improved Inlet Structure	1	EA	\$ 25,000.00	=	\$ 25,000.00		\$ 25,000.00
Emergency Overflow Structure	1	EA	\$ 68,000.00	=	\$ 68,000.00		\$ 68,000.00
78" Outfall Structure	1	EA	\$ 60,000.00	=	\$ 60,000.00		\$ 60,000.00
Type 1 Manhole <span style="margin-left: 20px;"><i>D &gt; 15'</i></span>	3	EA	\$ 10,000.00	=	\$ 30,000.00		\$ 30,000.00
Storm Sewer Manhole, Slab Base	7	EA	\$ 6,395.00	=	\$ 44,765.00		\$ 44,765.00
Rip Rap, d50 size from 36"	188	CY	\$ 100.00	=	\$ 18,800.00		\$ 18,800.00
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 6"	1,335	LF	\$ 72.00	=	\$ 96,120.00		\$ 96,120.00
Raw Water Pipe (PVC), Size 12"	342	LF	\$ 128.00	=	\$ 43,776.00		\$ 43,776.00
6" Gate Valves	15	EA	\$ 1,852.00	=	\$ 27,780.00		\$ 27,780.00
Fire Hydrant Assembly, w/ all valves	6	EA	\$ 6,828.00	=	\$ 40,968.00		\$ 40,968.00
Water Service Line Installation, inc. tap and valves	35	EA	\$ 1,370.00	=	\$ 47,950.00		\$ 47,950.00
Raw Water Manhole, Depth <15 feet	3	EA	\$ 4,000.00	=	\$ 12,000.00		\$ 12,000.00
Raw Water Vault (Reuse Existing Piping)	1	EA	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
<i>[insert items not listed but part of construction plans]</i>							
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"	840	LF	\$ 66.00	=	\$ 55,407.00		\$ 55,407.00
Sewer Main Pipe (PVC), Size 12"	503	LF	\$ 122.00	=	\$ 61,378.20		\$ 61,378.20
Sanitary Sewer Manhole, Depth < 15 feet	13	EA	\$ 4,540.00	=	\$ 59,020.00		\$ 59,020.00
Sanitary Sewer Manhole, Depth > 15 feet	4	EA	\$ 6,000.00	=	\$ 24,000.00		\$ 24,000.00
Sanitary Service Line Installation, complete	35	EA	\$ 1,451.00	=	\$ 50,785.00		\$ 50,785.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -

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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>LANDSCAPING IMPROVEMENTS</b>							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
** - Section 3 is not subject to defect warranty requirements							
				=	<b>\$ 1,368,671.38</b>		<b>\$ 1,368,671.38</b>
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 7,500.00	=	\$ 7,500.00		\$ 7,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=			\$ -
<b>Total Construction Financial Assurance</b>						<b>\$ 1,623,116.78</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>\$ 1,623,116.78</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>\$ 39,423.11</b>	
(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.

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Engineer (P.E. Seal Required)

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

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