



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

Updated: 12/22/2020

PROJECT INFORMATION			
Woodmen Frontage Rd & Bent Grass Meadow Dr.	12/6/2021	CDR2118	
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	38	CY	\$ 8.00	=	\$ 5,300.00		\$ 5,300.00
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.)	0.13	AC	\$ 828.00	=	\$ 107.64		\$ 107.64
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,453.00	=	\$ -		\$ -
Silt Fence	812	LF	\$ 2.60	=	\$ 2,111.20		\$ 2,111.20
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle	50	LF	\$ 5.00	=	\$ 250.00		\$ 250.00
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -
(insert items not li				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ 826.42		\$ 826.42
				=	\$ 8,595.26		\$ 8,595.26

UPDATED QUANTITY DUE TO ADDED PAVEMENT. OUR NUMBERS ARE TAKEN FROM AN AREA OF A HATCH USING AUTOCAD

SECTION 2 - ROADWAY IMPROVEMENTS

Construction Traffic Signs	1	LS		=	\$ -		\$ -
Aggregate Base Course		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cy)	117	CY	\$ 52.00	=	\$ 6,084.00		\$ 6,084.00
Asphalt Pavement (3" thick)	705	SY	\$ 14.50	=	\$ 10,222.50		\$ 10,222.50
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	120	SF	\$ 14.00	=	\$ 1,680.00		\$ 1,680.00
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		=	\$ -		\$ -
4" Sidewalk (common areas only)		SY		=	\$ -		\$ -
5" Sidewalk		SY		=	\$ -		\$ -
6" Sidewalk		SY		=	\$ -		\$ -
8" Sidewalk		SY		=	\$ -		\$ -
Pedestrian Ramp		EA		=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to in		LF		=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide		LF		=	\$ -		\$ -
Curb Chase		EA		=	\$ -		\$ -
Guardrail Type 3 (W-Beam)	85	LF	\$ 49.90	=	\$ 4,236.75		\$ 4,335.00
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage	1	EA	\$ 2,172.00	=	\$ 2,172.00		\$ 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	=	\$ -		\$ -

Quantities seem low

Quantity seems low and arrows, stop bars, etc per Std Note 11 should be thermoplastic

CORRECT, THEY WERE LOW. WE DID NOT INCLUDE LONGITUDINAL STRIPING EITHER. ADDITIONALLY, WE NOW INCLUDE BOTH TYPES OF STRIPING QUANTITIES

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12/6/2021

CDR2118

Project Name

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						% Complete	Remaining
Gravel Shoulder	28	CY	\$ 50.00	=	\$ 1,400.00		\$ 1,400.00
<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		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 = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
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"		Tons	\$ 83.00	=	\$ -		\$ -
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				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 25,893.50		\$ 25,893.50

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

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12/6/2021

CDR2118

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)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 1,923.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	= \$	-	\$ -
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	\$ 66.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	= \$	-	\$ -
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 Subtotal				= \$	-	\$ -

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

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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	\$ 5,000.00	=	\$	5,000.00	\$	5,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$	-	\$	-
Total Construction Financial Assurance							\$	39,488.76
(Sum of all section subtotals plus as-builts and pond/BMP certification)								
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)							\$	39,488.76
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)								
Total Defect Warranty Financial Assurance							\$	6,260.23
(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