

2015 Financial Assurance  
Estimate Form (with pre-plat construction)

8/6/2015

Financial  
assurance

<b>Project Information</b>	
<b>North Bay at Lake Woodmoor</b>	<b>11/8/2016</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork* (21,350 @ 20%)	4,270.00	CY @	\$ 5	\$ 21,350.00	\$ 21,350.00 *
Permanent Seeding* (inc. noxious weed mgmnt.)	0.87	AC @	\$ 582	\$ 506.34	\$ 506.34 *
Mulching*	0.87	AC @	\$ 507	\$ 441.09	\$ 441.09 *
Permanent Erosion Control Blanket*	2,110.00	SY @	\$ 6	\$ 12,660.00	\$ 12,660.00 *
Temporary Erosion Control Blanket		SY @	\$ 3	\$	\$ -
Vehicle Tracking Control	2.00	EA @	\$ 1,625	\$ 3,250.00	\$ 3,250.00
Safety Fence		LF @	\$ 3	\$	\$ -
Silt Fence		LF @	\$ 4	\$	\$ -
Temporary Seeding	2.86	AC @	\$ 485	\$ 1,387.10	\$ 1,387.10
Temporary Mulch	2.86	AC @	\$ 507	\$ 1,450.02	\$ 1,450.02
Erosion Bales		EA @	\$ 21	\$	\$ -
Erosion Logs	1,450.00	LF @	\$ 6	\$ 8,700.00	\$ 8,700.00
Rock Ditch Checks		EA @	\$	\$	\$ -
Inlet Protection	8.00	EA @	\$ 153	\$ 1,224.00	\$ 1,224.00
Sediment Basin		EA @	\$ 1,625	\$	\$ -
Concrete Washout Basin	2.00	EA @	\$ 776	\$ 1,552.00	\$ 1,552.00
		@	\$	\$	\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.					
<b>Section 1 Subtotal</b>				\$ 52,520.55	\$ 52,520.55

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
<b>- Roadway Improvements</b>					
Construction Traffic Control		LS @	\$	\$	\$ - *
Aggregate Base Course		Tons @	\$ 18	\$	\$ - *
Asphalt Pavement		Tons @	\$ 65	\$	\$ - *
Raised Median, Paved		SF @	\$ 7	\$	\$ - *
Electrical Conduit, Size =		LF @	\$ 14	\$	\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	\$	\$ - *
Regulatory Sign		EA @	\$ 100	\$	\$ - *
Advisory Sign		EA @	\$ 100	\$	\$ - *
Guide/Street Name Sign	2.00	EA @	\$ 100	\$ 200.00	\$ 200.00 *
Epoxy Pavement Marking		SF @	\$ 12	\$	\$ - *
Thermoplastic Pavement Marking		SF @	\$ 22	\$	\$ - *
Barricade - Type 3		EA @	\$ 115	\$	\$ - *
Delineator (Type I)		EA @	\$ 21	\$	\$ - *
Curb and Gutter, Type C (Ramp)		LF @	\$ 21	\$	\$ - *
Curb and Gutter, Type A (6" Vertical)		LF @	\$ 16	\$	\$ - *
Curb and Gutter, Type B (Median)		LF @	\$ 13	\$	\$ - *
Pedestrian Ramp		SY @	\$ 108	\$	\$ - *

RECEIVED  
VERSION  
DEC 06 2016 1

Cross Pan		SY	@	\$	\$53	=	\$		\$	-	*
Curb Chase		EA	@	\$	\$1,300	=	\$		\$	-	*
Guardrail Type 3 (W-Beam)		LF	@	\$	\$18	=	\$		\$	-	*
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$		\$	-	*
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$		\$	-	*
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$		\$	-	*
Sound Barrier Fence		LF	@	\$	\$100	=	\$		\$	-	*
<b>- Storm Drain Improvements</b>											
Concrete Box Culvert (M Standard), Size ( W x H )		LF	@	\$		=	\$		\$	-	*
Reinforced Concrete Pipe (RCP) Size		LF	@	\$		=	\$		\$	-	*
18" Reinforced Concrete Pipe		LF	@	\$	\$69	=	\$		\$	-	*
24" Reinforced Concrete Pipe		LF	@	\$	\$84	=	\$		\$	-	*
30" Reinforced Concrete Pipe		LF	@	\$	\$94	=	\$		\$	-	*
36" Reinforced Concrete Pipe		LF	@	\$	\$124	=	\$		\$	-	*
42" Reinforced Concrete Pipe		LF	@	\$	\$134	=	\$		\$	-	*
48" Reinforced Concrete Pipe		LF	@	\$	\$178	=	\$		\$	-	*
54" Reinforced Concrete Pipe		LF	@	\$	\$182	=	\$		\$	-	*
60" Reinforced Concrete Pipe		LF	@	\$	\$216	=	\$		\$	-	*
66" Reinforced Concrete Pipe		LF	@	\$	\$263	=	\$		\$	-	*
72" Reinforced Concrete Pipe		LF	@	\$	\$283	=	\$		\$	-	*
Corrugated Steel Pipe (CSP) Size		LF	@	\$		=	\$		\$	-	*
18" Corrugated Steel Pipe		LF	@	\$	\$66	=	\$		\$	-	*
24" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$		\$	-	*
30" Corrugated Steel Pipe		LF	@	\$	\$101	=	\$		\$	-	*
36" Corrugated Steel Pipe		LF	@	\$	\$136	=	\$		\$	-	*
42" Corrugated Steel Pipe		LF	@	\$	\$147	=	\$		\$	-	*
48" Corrugated Steel Pipe		LF	@	\$	\$169	=	\$		\$	-	*
54" Corrugated Steel Pipe		LF	@	\$	\$193	=	\$		\$	-	*
60" Corrugated Steel Pipe		LF	@	\$	\$227	=	\$		\$	-	*
66" Corrugated Steel Pipe		LF	@	\$	\$278	=	\$		\$	-	*
72" Corrugated Steel Pipe		LF	@	\$	\$330	=	\$		\$	-	*
78" Corrugated Steel Pipe		LF	@	\$	\$381	=	\$		\$	-	*
84" Corrugated Steel Pipe		LF	@	\$	\$432	=	\$		\$	-	*
Flared End Section (FES) RCP †		EA	@	\$		=	\$		\$	-	*
Flared End Section (FES) CSP †		EA	@	\$		=	\$		\$	-	*
End Treatment- Headwall		EA	@	\$		=	\$		\$	-	*
End Treatment- Wingwall		EA	@	\$		=	\$		\$	-	*
End Treatment - Cutoff Wall		EA	@	\$		=	\$		\$	-	*
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$	\$3,791	=	\$		\$	-	*
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	@	\$	\$5,044	=	\$		\$	-	*
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$	\$6,027	=	\$		\$	-	*
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	\$	\$5,528	=	\$		\$	-	*
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$	\$6,694	=	\$		\$	-	*
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$	\$7,500	=	\$		\$	-	*
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$	\$7,923	=	\$		\$	-	*
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$	\$8,000	=	\$		\$	-	*
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$	\$8,800	=	\$		\$	-	*
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$	\$8,000	=	\$		\$	-	*
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	\$	\$8,830	=	\$		\$	-	*
Curb Inlet (Type R) L =____', ____' - ____' Depth		EA	@	\$		=	\$		\$	-	*
Curb Inlet (Type R) L =____', ____' - ____' Depth		EA	@	\$		=	\$		\$	-	*
Grated Inlet (Type C), < 5' deep		EA	@	\$	\$3,270	=	\$		\$	-	*
Grated Inlet (Type D), < 5' deep		EA	@	\$	\$3,908	=	\$		\$	-	*
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	\$	\$8,592	=	\$		\$	-	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	\$	\$4,575	=	\$		\$	-	*
Geotextile (Erosion Control)		SY	@	\$	\$5	=	\$		\$	-	*
Rip Rap, d50 Size from 6" to 24"		CY	@	\$	\$98	=	\$		\$	-	*
Rip Rap, Grouted		CY	@	\$	\$215	=	\$		\$	-	*

Drainage Channel Construction, Size ( W x H )	LF	@	\$	=	\$		\$ - *
Channel Lining, Concrete	CY	@	\$ 450	=	\$		\$ - *
Channel Lining, Rip Rap	CY	@	\$ 98	=	\$		\$ - *
Channel Lining, Grass	AC	@	\$ 1,287	=	\$		\$ - *
Channel Lining, Other Stabilization	SY	@	\$ 3	=	\$		\$ - *
Detention Outlet Structure	EA	@	\$	=	\$		\$ - *
Detention Emergency Spillway	EA	@	\$	=	\$		\$ - *
Permanent Water Quality Facility (Describe)	EA	@	\$	=	\$		\$ - *
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6							
<b>Section 2 Subtotal</b>						200.00	200.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		% Complete	Remaining
<b>- Roadway Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
Concrete Sidewalk	1,565.00	SY	@	\$ 38	=	\$ 59,470.00	\$ 59,470.00
Pedestrian Ramp	31.00	SY	@	\$ 108	=	\$ 3,348.00	\$ 3,348.00
Aggregate Base Course	1,064.37	Tons	@	\$ 18	=	\$ 19,158.71	\$ 19,158.71
Asphalt Pavement	532.19	Tons	@	\$ 65	=	\$ 34,592.11	\$ 34,592.11
Curb and Gutter, Type C (Ramp)	2,105.00	LF	@	\$ 21	=	\$ 44,205.00	\$ 44,205.00
Cross Pan	19.20	SY	@	\$ 53	=	\$ 1,017.60	\$ 1,017.60
			@	\$	=	\$	\$ -
<b>- Storm Drain Improvements</b>							
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
			@	\$	=	\$	\$ -
18" Reinforced Concrete Pipe	307.00	LF	@	\$ 69	=	\$ 21,183.00	\$ 21,183.00
14"x23" Horiz. Elliptical Reinforced Concrete Pipe	11.00	LF	@	\$ 79	=	\$ 869.00	\$ 869.00
36" Reinforced Concrete Pipe	385.00	LF	@	\$ 124	=	\$ 47,740.00	\$ 47,740.00
29"x45" Horiz. Elliptical Reinforced Concrete Pipe	107.00	LF	@	\$ 134	=	\$ 14,338.00	\$ 14,338.00
Flared End Section (FES) RCP † 18"	1.00	EA	@	\$ 800	=	\$ 800.00	\$ 800.00
Curb Inlet (Type R) L =10', Depth < 5 feet	1.00	EA	@	\$ 5,528	=	\$ 5,528.00	\$ 5,528.00
Curb Inlet (Type R) L =10' , 5'-10' Depth	1.00	EA	@	\$ 6,694	=	\$ 6,694.00	\$ 6,694.00
Curb Inlet (Type R) L =15' . Depth < 5 feet	1.00	EA	@	\$ 7,923	=	\$ 7,923.00	\$ 7,923.00
Grated Inlet (Type C), Depth < 5 feet	1.00	EA	@	\$ 3,270	=	\$ 3,270.00	\$ 3,270.00
Grated Inlet (Type D), 10'-15' Depth	1.00	EA	@	\$ 5,200	=	\$ 5,200.00	\$ 5,200.00
Grated Inlet (Type D), 15'-20' Depth	1.00	EA	@	\$ 6,200	=	\$ 6,200.00	\$ 6,200.00
4' Dia. Storm Sewer Manhole, Slab Base, 5'-10' Depth	2.00	EA	@	\$ 4,600	=	\$ 9,200.00	\$ 9,200.00
5' Dia. Storm Sewer Manhole, Slab Base, 10'-15' Depth	1.00	EA	@	\$ 5,600	=	\$ 5,600.00	\$ 5,600.00
5' Dia. Storm Sewer Manhole, Slab Base, 15'-20' Depth	2.00	EA	@	\$ 6,600	=	\$ 13,200.00	\$ 13,200.00
Riprap, d50 9" and 12"	144.00	CY	@	\$ 98	=	\$ 14,112.00	\$ 14,112.00
Riprap, d50 18"	40.00	CY	@	\$ 120	=	\$ 4,800.00	\$ 4,800.00
Concrete Cutoff Wall (18" RCP pipe outfall)	1.00	EA	@	\$ 800	=	\$ 800.00	\$ 800.00
Concrete Collar (24" CMP)	1.00	EA	@	\$ 500	=	\$ 500.00	\$ 500.00
Triple (3) 12' W x 4' H RCB Crossing	1.00	LS	@	\$ 140,000	=	\$ 140,000.00	\$ 140,000.00
Check Structures (LFDW Creek)	3.00	EA	@	\$ 11,000	=	\$ 33,000.00	\$ 33,000.00
			@	\$	=	\$	\$ -

<b>- Water System Improvements</b>								
Water Main Pipe (PVC), Size 6"	1,367.00	LF	@	\$ 72	=	\$ 98,424.00	\$ 98,424.00	
Water Main Pipe (Ductile Iron), Size 6"		LF	@	\$ 128	=	\$	\$ -	
Gate Valves, 6"	13.00	EA	@	\$ 1,852	=	\$ 24,076.00	\$ 24,076.00	
Fire Hydrant Assembly w/ all valves	3.00	EA	@	\$ 6,430	=	\$ 19,290.00	\$ 19,290.00	
Water Service Line Installation, including tap and valves	28.00	EA	@	\$ 1,253	=	\$ 35,084.00	\$ 35,084.00	
Fire Cistern Installation, complete		EA	@	\$	=	\$	\$ -	
<b>- Sanitary Sewer Improvements</b>								
Sewer Main Pipe (PVC), Size 8"	638.41	LF	@	\$ 94	=	\$ 60,010.54	\$ 60,010.54	
Sanitary Sewer Manhole, Depth < 15 feet	6.00	EA	@	\$ 4,575	=	\$ 27,450.00	\$ 27,450.00	
Sanitary Service Line Installation, complete	28.00	EA	@	\$ 1,516	=	\$ 42,448.00	\$ 42,448.00	
Sanitary Sewer Lift Station, complete		EA	@	\$	=	\$	\$ -	
<b>- Landscaping (If Applicable)</b>								
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
		EA	@	\$	=	\$	\$ -	
***Items in this section are not subject to defect warranty financial assurance								
					<b>Section 3 Subtotal</b>	=	\$ 809,530.95	809,530.95

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$5,000
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance</b>	<b>\$867,251.50</b>
	(Sum of all section subtotals)	
	<b>Total Remaining Construction Financial Assurance</b>	<b>\$867,251.50</b>
	(Sum of all section totals less credit for items complete)	
	<b>Total Defect Warranty Financial Assurance</b>	<b>\$7,031.49</b>
	(20% of all items identified as public improvements(*). 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 approved Construction Drawings associated with the Project.

Engineer

(P.E. Seal)

Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date

