

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

8/6/2015

<b>Project Information</b>	
<b>VA PPNC Water Delivery System</b>	<b>12/19/2017</b>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price			% Complete	Remaining
Earthwork*	300.00	CY	@ \$ 5	=	\$ 1,500.00		\$ 1,500.00 *
Permanent Seeding* (inc. noxious weed mgmt.)	32.50	AC	@ \$ 582	=	\$ 18,915.00		\$ 18,915.00 *
Mulching*	32.50	AC	@ \$ 507	=	\$ 16,477.50		\$ 16,477.50 *
Permanent Erosion Control Blanket*		SY	@ \$ 6	=	\$		\$ - *
Temporary Erosion Control Blanket		SY	@ \$ 3	=	\$		\$ -
Vehicle Tracking Control		EA	@ \$ 1,625	=	\$		\$ -
Safety Fence		LF	@ \$ 3	=	\$		\$ -
Silt Fence	870.00	LF	@ \$ 4	=	\$ 3,480.00		\$ 3,480.00
Temporary Seeding		AC	@ \$ 485	=	\$		\$ -
Temporary Mulch		AC	@ \$ 507	=	\$		\$ -
Erosion Bales	40.00	EA	@ \$ 21	=	\$ 840.00		\$ 840.00
Erosion Logs	930.00	LF	@ \$ 6	=	\$ 5,580.00		\$ 5,580.00
Rock Ditch Checks		EA	@ \$	=	\$		\$ -
Inlet Protection		EA	@ \$ 153	=	\$		\$ -
Sediment Basin		EA	@ \$ 1,625	=	\$		\$ -
Concrete Washout Basin	1.00	EA	@ \$ 776	=	\$ 776.00		\$ 776.00
		@ \$	=	\$			\$ -
* 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>				=	\$ 47,568.50		\$ 47,568.50

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		EA	@ \$	=	\$		\$ - *
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	=	\$		\$ - *

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	=	\$	\$	-	*



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		SY @	\$ 38	=	\$		\$ -
		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
<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)		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
Detention Outlet Structure Modifications		@	\$ 5,000	=	\$		\$ -
		@	\$	=	\$		\$ -
		@	\$	=	\$		\$ -
<b>- Water System Improvements</b>							
Water Main Pipe (PVC), Size 8"		LF @	\$ 94	=	\$		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF @	\$ 137	=	\$		\$ -
Gate Valves, 8"		EA @	\$ 1,852	=	\$		\$ -
Fire Hydrant Assembly w/ all valves		EA @	\$ 6,430	=	\$		\$ -
Water Service Line Installation, including tap and valves		EA @	\$ 1,253	=	\$		\$ -
Fire Cistern Installation, complete		EA @	\$	=	\$		\$ -
<b>- Sanitary Sewer Improvements</b>							
Sewer Main Pipe (PVC), Size 8"		LF @	\$ 94	=	\$		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA @	\$ 4,575	=	\$		\$ -
Sanitary Service Line Installation, complete		EA @	\$ 1,516	=	\$		\$ -
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>	=	\$	

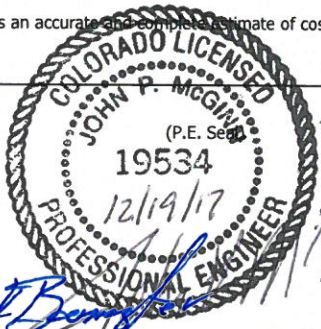
**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$
( Inc. survey to verify detention pond volumes.)	<b>Total Construction Financial Assurance    \$47,568.50</b>
	(Sum of all section subtotals)
	<b>Total Remaining Construction Financial Assurance    47,568.50</b>
	(Sum of all section totals less credit for items complete)
	<b>Total Defect Warranty Financial Assurance    \$7,378.50</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



*John P. McGinn*

Date

*December, 19, 2017*

Approved by Owner / Applicant

Date

*12/20/2017*

Approved by El Paso County Engineer / ECM Administrator

Date