



July 22, 2019

Mr. James Morley, President
Sterling Ranch Metropolitan District No. 1
20 Boulder Crescent Street, Suite 200
Colorado Springs, CO 80903
(via e-mail: jmorley3870@aol.com)

Re: Financial Assurance Estimate Form – Sterling Ranch Force Main

Dear Mr. Morley:

Enclosed is a Financial Assurance Estimate Form for the Sanitary Sewer Improvements for the Sterling Ranch Lift Station and Force Main based upon my recent communications with Mr. Charles Collins, of SR Sewer, LLC, and information provided by Mr. Virgil Sanchez, of MS Civil Consultants, Inc.

The estimated total remaining construction financial assurance amount is \$625,969.00.

Should you have any comments or questions, please contact me at 720-234-8398.

Sincerely,

MMI WATER ENGINEERS, LLC

A handwritten signature in blue ink, appearing to read "BAS", with a long horizontal flourish extending to the right.

Bradley A. Simons, P.E.
Principal

Enclosure: 2015 Financial Assurance Estimate Form

cc: Mr. Charles Collins, SR Sewer, LLC (via e-mail: candclandllc@aol.com)
Mr. Virgil Sanchez, MS Civil Consultants, Inc. (via e-mail: virgils@mscivil.com)

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

8/6/2015

Project Information

Sterling Ranch Force Main

6/20/2020

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price		% Complete	Remaining
Earthwork*		CY @	\$ \$5	= \$		\$ - *
Permanent Seeding* (inc. noxious weed mgmnt.)		AC @	\$ \$582	= \$		\$ - *
Mulching*		AC @	\$ \$507	= \$		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ \$6	= \$		\$ - *
Temporary Erosion Control Blanket		SY @	\$ \$3	= \$		\$ -
Vehicle Tracking Control	1.00	EA @	\$ \$1,625	= \$ 1,625.00		\$ 1,625.00
Safety Fence		LF @	\$ \$3	= \$		\$ -
Silt Fence	500.00	LF @	\$ \$4	= \$ 2,000.00		\$ 2,000.00
Temporary Seeding	12.00	AC @	\$ \$485	= \$ 5,820.00		\$ 5,820.00
Temporary Mulch		AC @	\$ \$507	= \$		\$ -
Erosion Bales		EA @	\$ \$21	= \$		\$ -
Erosion Logs		LF @	\$ \$6	= \$		\$ -
Rock Ditch Checks		EA @	\$ \$	= \$		\$ -
Inlet Protection	8.00	EA @	\$ \$153	= \$ 1,224.00		\$ 1,224.00
Sediment Basin		EA @	\$ \$1,625	= \$		\$ -
Concrete Washout Basin		EA @	\$ \$776	= \$		\$ -
		@	\$	= \$		\$ -
* 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.						
Section 1 Subtotal				= \$ 10,669.00		\$ 10,669.00

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
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 @	\$ \$600	= \$		\$ - *
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	=	\$		\$	-	*
Sidewalk (5" Thick)		LF	@	\$	\$58	=	\$		\$	-	*
- Storm Drain Improvements											
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											
				Section 2 Subtotal		=	\$				**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
(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	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
Pond 4		@	\$ 30,000	=	\$	\$ -
Pond W9		@	\$ 20,000	=	\$	\$ -
Tract L Grass lined swale and TSB		@	\$ 1,000	=	\$	\$ -
- Water System Improvements						
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 @	\$	=	\$	\$ -
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	7,800.00	LF @	\$ 28	=	\$ 218,400.00	\$ 218,400.00
Sanitary Sewer air release Manhole	13.00	EA @	\$ 2,400	=	\$ 31,200.00	\$ 31,200.00
Vacuum air release Valve	13.00	EA @	\$ 2,700	=	\$ 35,100.00	\$ 35,100.00
Clean Outs	15.00	EA @	\$ 750	=	\$ 11,250.00	\$ 11,250.00
Flow Metering	1.00	EA @	\$ 8,500	=	\$ 8,500.00	\$ 8,500.00
Waste water sampler	1.00	EA @	\$ 6,000	=	\$ 6,000.00	\$ 6,000.00
Road Crossings	5.00	EA @	\$ 7,500	=	\$ 37,500.00	\$ 37,500.00
Installed Force Main	17,200.00	EA @	\$ 15	=	\$ 258,000.00	\$ 51,600.00
Sanitary Sewer Lift Station, to complete	215,000.00	EA @	\$ 1	=	\$ 215,000.00	\$ 215,000.00
- Landscaping (If Applicable)						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
Trail Connection, Landscaping, Concrete walk, rock mulch, native seed, plantings		LS @	\$ 10,122	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
***items in this section are not subject to defect warranty financial assurance						
Section 3 Subtotal				=	\$ 820,950.00	614,550.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

\$ \$750

(Inc. survey to verify detention pond volumes.)

Total Construction Financial Assurance **\$832,369.00**

(Sum of all section subtotals)

Total Remaining Construction Financial Assurance **625,969.00**

(Sum of all section totals less credit for items complete)

Total Defect Warranty Financial Assurance

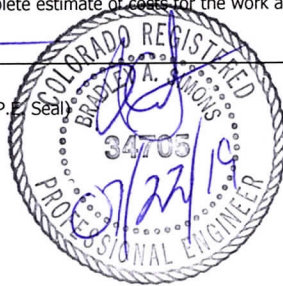
(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)

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. Seal)



Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date