

2023 Financial Assurance Estimate Form  
(with pre-plat construction)

Updated: 12/8/2022

PROJECT INFORMATION		
Waterview East Early Grading Permit	9/6/2023	SP-22-009
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		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -		\$ -
50,001-200,000; \$175,000 min	60,000	CY	\$ 2.50	= \$ 175,000.00		\$ 175,000.00
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -		\$ -
Permanent Erosion Control Blanket		SY	\$ 8.00	= \$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching		AC	\$ 1,875.00	= \$ -		\$ -
Permanent Pond/BMP (provide engineer's estimate)		EA		= \$ -		\$ -
Concrete Washout Basin	2	EA	\$ 1,089.00	= \$ 2,178.00		\$ 2,178.00
Inlet Protection	23	EA	\$ 202.00	= \$ 4,646.00		\$ 4,646.00
Rock Check Dam	88	EA	\$ 605.00	= \$ 53,240.00		\$ 53,240.00
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Sediment Basin	4	EA	\$ 2,132.00	= \$ 8,528.00		\$ 8,528.00
Sediment Trap		EA	\$ 500.00	= \$ -		\$ -
Silt Fence	3,902	LF	\$ 3.00	= \$ 11,706.00		\$ 11,706.00
Slope Drain		LF	\$ 40.00	= \$ -		\$ -
Straw Bale		EA	\$ 31.00	= \$ -		\$ -
Straw Wattle/Rock Sock	36	LF	\$ 7.00	= \$ 252.00		\$ 252.00
Surface Roughening	4.8	AC	\$ 250.00	= \$ 1,197.50		\$ 1,197.50
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Temporary Seeding and Mulching		AC	\$ 1,666.00	= \$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,867.00	= \$ 5,734.00		\$ 5,734.00
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
				= \$ -		\$ -
				= \$ 29,856.23		\$ 29,856.23
<b>MAINTENANCE (35% of Construction BMPs)</b>				= \$ 29,856.23		\$ 29,856.23
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						
<b>Section 1 Subtotal</b>				<b>= \$ 292,337.73</b>		<b>\$ 292,337.73</b>

**SECTION 2 - PUBLIC IMPROVEMENTS \***

ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	= \$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 35.00	= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	= \$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	= \$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 364.00	= \$ -		\$ -
Guide/Street Name Sign		EA		= \$ -		\$ -
Epoxy Pavement Marking		SF	\$ 16.00	= \$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 28.00	= \$ -		\$ -
Barricade - Type 3		EA	\$ 241.00	= \$ -		\$ -
Delineator - Type I		EA	\$ 29.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 35.00	= \$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 35.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	= \$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 58.00	= \$ -		\$ -
5" Sidewalk		SY	\$ 72.00	= \$ -		\$ -
6" Sidewalk		SY	\$ 87.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 116.00	= \$ -		\$ -
Pedestrian Ramp		EA	\$ 1,390.00	= \$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	= \$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	= \$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,790.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 60.00	= \$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 87.00	= \$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	= \$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 20.00	= \$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		= \$ -		\$ -

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Project Name	Date	PCD File No.	

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)					
							% Complete	Remaining				
[insert items not listed but part of construction plans]							=	\$	-	\$	-	
<b>STORM DRAIN IMPROVEMENTS</b>												
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$	-		\$	-		*	
18" Reinforced Concrete Pipe		LF	\$ 76.00	=	\$	-		\$	-		*	
24" Reinforced Concrete Pipe		LF	\$ 91.00	=	\$	-		\$	-		*	
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$	-		\$	-		*	
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$	-		\$	-		*	
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$	-		\$	-		*	
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$	-		\$	-		*	
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$	-		\$	-		*	
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$	-		\$	-		*	
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$	-		\$	-		*	
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$	-		\$	-		*	
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$	-		\$	-		*	
24" Corrugated Steel Pipe		LF	\$ 112.00	=	\$	-		\$	-		*	
30" Corrugated Steel Pipe		LF	\$ 143.00	=	\$	-		\$	-		*	
36" Corrugated Steel Pipe		LF	\$ 171.00	=	\$	-		\$	-		*	
42" Corrugated Steel Pipe		LF	\$ 197.00	=	\$	-		\$	-		*	
48" Corrugated Steel Pipe		LF	\$ 207.00	=	\$	-		\$	-		*	
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$	-		\$	-		*	
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$	-		\$	-		*	
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$	-		\$	-		*	
72" Corrugated Steel Pipe		LF	\$ 467.00	=	\$	-		\$	-		*	
78" Corrugated Steel Pipe		LF	\$ 537.00	=	\$	-		\$	-		*	
84" Corrugated Steel Pipe		LF	\$ 642.00	=	\$	-		\$	-		*	
Flared End Section (FES) RCP Size =		EA		=	\$	-		\$	-		*	
(unit cost = 6x pipe unit cost)												
Flared End Section (FES) CSP Size =		EA		=	\$	-		\$	-		*	
(unit cost = 6x pipe unit cost)												
End Treatment- Headwall		EA		=	\$	-		\$	-		*	
End Treatment- Wingwall		EA		=	\$	-		\$	-		*	
End Treatment - Cutoff Wall		EA		=	\$	-		\$	-		*	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 9,507.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$	-		\$	-		*	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$	-		\$	-		*	
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$	-		\$	-		*	
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$	-		\$	-		*	
Storm Sewer Manhole, Box Base	1	EA	\$ 14,061.00	=	\$	14,061.00		\$	14,061.00		*	
Storm Sewer Manhole, Slab Base		EA	\$ 7,734.00	=	\$	-		\$	-		*	
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$	-		\$	-		*	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00	=	\$	-		\$	-		*	
Rip Rap, Grouted		Tons	\$ 115.00	=	\$	-		\$	-		*	
Drainage Channel Construction, Size ( W x H )		LF	\$ -	=	\$	-		\$	-		*	
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$	-		\$	-		*	
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$	-		\$	-		*	
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$	-		\$	-		*	
Drainage Channel Lining, Other Stabilization				=	\$	-		\$	-		*	
[insert items not listed but part of construction plans]							=	\$	-	\$	-	
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)												
<b>Section 2 Subtotal</b>					<b>=</b>	<b>\$</b>	<b>14,061.00</b>		<b>\$</b>	<b>14,061.00</b>		

**PROJECT INFORMATION**

Waterview East Early Grading Permit  
 Project Name \_\_\_\_\_

9/6/2023  
 Date \_\_\_\_\_

SP-22-009  
 PCD File No. \_\_\_\_\_

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>						
<u>ROADWAY IMPROVEMENTS</u>						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<u>STORM DRAIN IMPROVEMENTS</u>						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<u>WATER SYSTEM IMPROVEMENTS</u>						
Water Main Pipe (PVC), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 2,247.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,978.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,601.00	= \$	-	\$ -
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$	-	\$ -
<u>SANITARY SEWER IMPROVEMENTS</u>						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,305.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$	-	\$ -
<u>LANDSCAPING IMPROVEMENTS</u>						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
				<b>Section 3 Subtotal</b>	<b>= \$</b>	<b>\$ -</b>

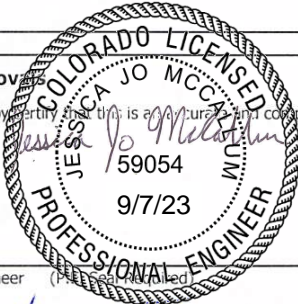
\*\* - Section 3 is not subject to defect warranty requirements

**PROJECT INFORMATION**

<b>Waterview East Early Grading Permit</b>	<b>9/6/2023</b>	<b>SP-22-009</b>
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	= \$	-	\$	-
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	= \$	-	\$	-
<b>Total Construction Financial Assurance</b>					<b>\$</b>	<b>306,398.73</b>
<small>(Sum of all section subtotals plus as-builts and pond/BMP certification)</small>						
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>					<b>\$</b>	<b>306,398.73</b>
<small>(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)</small>						
<b>Total Defect Warranty Financial Assurance</b>					<b>\$</b>	<b>37,812.20</b>
<small>(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)</small>						

**Approval:**  
 I hereby certify that this is a true 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 (Professional Seal)

*Heath A. Herber* \_\_\_\_\_ *9/7/2023*  
 Approved by Owner / Applicant Date  
*M G K / Waterview Commercial Dev. LLC*

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

Date \_\_\_\_\_