

2019 Financial Assurance Estimate Form
(with pre-plat construction)

EPC Planning & Community
Development Department

Updated: 4/18/2019

PROJECT INFORMATION		
Midtown Collection at Hannah Ridge Filing No. 1	11/20/2019	SF-19-007
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		CY	\$ 8.00	=	\$ -		\$ -	
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -	
5,001-20,000; \$30,000 min	14,000	CY	\$ 5.00	=	\$ 70,000.00		\$ 70,000.00	
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.)		AC	\$ 800.00	=	\$ -		\$ -	
* Mulching		AC	\$ 750.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 20.00	=	\$ -		\$ -	
* Permanent Pond/BMP (Spillway)	1	EA	\$ 4,000.00	=	\$ 4,000.00		\$ 4,000.00	
* Permanent Pond/BMP (Outlet Structure)	2	EA	\$ 17,000.00	=	\$ 34,000.00		\$ 34,000.00	
Safety Fence	1,600	LF	\$ 3.00	=	\$ 4,800.00		\$ 4,800.00	
Temporary Erosion Control Blanket	560	SY	\$ 3.00	=	\$ 1,680.00		\$ 1,680.00	
Vehicle Tracking Control	3	EA	\$ 2,370.00	=	\$ 7,110.00		\$ 7,110.00	
Silt Fence	2,850	LF	\$ 2.50	=	\$ 7,125.00		\$ 7,125.00	
Temporary Seeding	9	AC	\$ 628.00	=	\$ 5,400.80		\$ 5,400.80	
Temporary Mulch	9	AC	\$ 750.00	=	\$ 6,450.00		\$ 6,450.00	
Erosion Bales	13	EA	\$ 25.00	=	\$ 325.00		\$ 325.00	
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -	
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -	
Inlet Protection	5	EA	\$ 167.00	=	\$ 835.00		\$ 835.00	
Sediment Basin	3	EA	\$ 1,762.00	=	\$ 5,286.00		\$ 5,286.00	
Concrete Washout Basin	1	EA	\$ 900.00	=	\$ 900.00		\$ 900.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 12,289.13		\$ 12,289.13
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)								
Section 1 Subtotal					=	\$ 160,200.93		\$ 147,911.80
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control		LS		=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)	1,939	Tons	\$ 28.00	=	\$ 54,292.00		\$ 54,292.00	
Aggregate Base Course (135 lbs/cf)		CY	\$ 50.00	=	\$ -		\$ -	
Asphalt Pavement (3" thick)		SY	\$ 14.00	=	\$ -		\$ -	
Asphalt Pavement (4" thick)		SY	\$ 19.00	=	\$ -		\$ -	
Asphalt Pavement (6" thick)		SY	\$ 29.00	=	\$ -		\$ -	
Asphalt Pavement (147 lbs/cf) 6" thick	1,402	Tons	\$ 88.00	=	\$ 123,376.00		\$ 123,376.00	
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign	16	EA	\$ 300.00	=	\$ 4,800.00		\$ 4,800.00	
Guide/Street Name Sign	10	EA	\$ 300.00	=	\$ 3,000.00		\$ 3,000.00	
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -	
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -	
Barricade - Type 3	2	EA	\$ 200.00	=	\$ 400.00		\$ 400.00	
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)	1,676	LF	\$ 30.00	=	\$ 50,280.00		\$ 50,280.00	
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)	396	LF	\$ 30.00	=	\$ 11,880.00		\$ 11,880.00	
4" Sidewalk ("private" common areas only)	864	SY	\$ 48.00	=	\$ 41,472.00		\$ 41,472.00	
5" Sidewalk	2,381	SY	\$ 60.00	=	\$ 142,860.00		\$ 142,860.00	
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -	
Pedestrian Ramp	27	EA	\$ 1,150.00	=	\$ 31,050.00		\$ 31,050.00	
Cross Pan, local (8" thick, 6' wide to include return)	362	LF	\$ 61.00	=	\$ 22,082.00		\$ 22,082.00	
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 92.00	=	\$ -		\$ -	
Curb Chase		EA	\$ 1,480.00	=	\$ -		\$ -	
Guardrail Type 3 (W-Beam)		LF	\$ 49.00	=	\$ -		\$ -	
Guardrail Type 7 (Concrete)		LF	\$ 72.00	=	\$ -		\$ -	
Guardrail End Anchorage		EA	\$ 2,098.00	=	\$ -		\$ -	
Guardrail Impact Attenuator		EA	\$ 3,767.00	=	\$ -		\$ -	
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 78.00	=	\$ -		\$ -	
Sound Barrier Fence (panels, 6' high)	1,165	LF	\$ 80.00	=	\$ 93,200.00		\$ 93,200.00	
Electrical Conduit, Size =		LF	\$ 16.00	=	\$ -		\$ -	
Traffic Signal, complete intersection		EA	\$ 425,000	=	\$ -		\$ -	

PROJECT INFORMATION

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11/20/2019

SF-19-007

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]				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	215	LF	\$ 65.00	=	\$ 13,975.00		\$ 13,975.00
24" Reinforced Concrete Pipe	37	LF	\$ 78.00	=	\$ 2,886.00		\$ 2,886.00
30" Reinforced Concrete Pipe	12	LF	\$ 97.00	=	\$ 1,164.00		\$ 1,164.00
36" Reinforced Concrete Pipe		LF	\$ 120.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 160.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 195.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 288.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 332.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 380.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 84.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 96.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 122.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 147.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 168.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 178.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 260.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 280.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 340.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 400.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 460.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 550.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 18" & 30" <small>(unit cost = 6x pipe unit cost)</small>	3	EA	\$ 582.00	=	\$ 1,746.00		\$ 1,746.00
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'	2	EA	\$ 5,542.00	=	\$ 11,084.00		\$ 11,084.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,345.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7,861.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'	1	EA	\$ 9,918.00	=	\$ 9,918.00		\$ 9,918.00
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 10,633.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 11,627.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,570.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 11,667.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,640.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	1	EA	\$ 11,627.00	=	\$ 11,627.00		\$ 11,627.00
Storm Sewer Manhole, Slab Base	3	EA	\$ 6,395.00	=	\$ 19,185.00		\$ 19,185.00
Geotextile (Erosion Control)		SY	\$ 6.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 95.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 570.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 112.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,469.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -

Ensure the pipe listed as private on the CD's is show private on this FAE.

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						% Complete	Remaining
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
Section 2 Subtotal					=	\$ 650,277.00	\$ 650,277.00

SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**

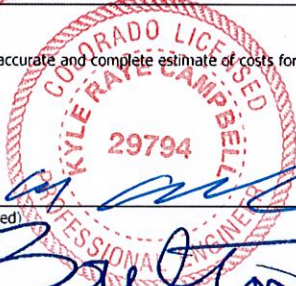
ROADWAY IMPROVEMENTS							
Aggregate Base Course (Local roads)	1,176	Tons	\$ 28.00	=	\$ 32,928.00		\$ 32,928.00
Asphalt Pavement (Local roads) (6" thick)	850	Tons	\$ 88.00	=	\$ 74,800.00		\$ 74,800.00
Curb and Gutter, Type A	796	LF	\$ 30.00	=	\$ 23,880.00		\$ 23,880.00
Curb and Gutter, Type C (ramp)	1,315	LF	\$ 30.00	=	\$ 39,450.00		\$ 39,450.00
Cross Pan	76	LF	\$ 61.00	=	\$ 4,636.00		\$ 4,636.00
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
24" Reinforced Concrete Pipe (Private)	845	LF	\$ 78.00	=	\$ 65,910.00		\$ 65,910.00
Storm Sewer Manhole, Slab Base (Private)	5	EA	\$ 6,395.00	=	\$ 31,975.00		\$ 31,975.00
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	2,383	LF	\$ 64.00	=	\$ 152,512.00		\$ 152,512.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 8"	29	EA	\$ 1,858.00	=	\$ 53,882.00		\$ 53,882.00
Fire Hydrant Assembly, w/ all valves	5	EA	\$ 6,597.00	=	\$ 32,985.00		\$ 32,985.00
Water Service Line Installation, inc. tap and valves	62	EA	\$ 1,324.00	=	\$ 82,088.00		\$ 82,088.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8" (no underdrain)	1,865	LF	\$ 64.00	=	\$ 119,360.00		\$ 119,360.00
Sanitary Sewer Manhole, Depth < 15 feet	10	EA	\$ 4,386.00	=	\$ 43,860.00		\$ 43,860.00
Sanitary Service Line Installation, complete	61	EA	\$ 1,402.00	=	\$ 85,522.00		\$ 85,522.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -

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					% Complete	Remaining
		EA	= \$	-		\$ -
		EA	= \$	-		\$ -
		EA	= \$	-		\$ -
** - Section 3 is not subject to defect warranty requirements		Section 3 Subtotal	= \$	843,788.00		\$ 843,788.00
AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV BMPs)		LS	= \$	-		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	= \$	-		\$ -
Total Construction Financial Assurance					\$	1,654,265.93
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	1,641,976.80
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	151,655.40
(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.



[Signature]

Engineer (P.E. Seal Required)

[Signature]

Approved by Civil Engineer Applicant

Date: 11.20.19