

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

Updated: 7/16/2019

PROJECT INFORMATION			
King Soopers #147	3/31/2020	XX-XX-XXX	
Project Name	Date	PCD File No	PPR-19-040

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	460	CY	\$ 8.00	=	\$ 5,300.00		\$ 5,300.00
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		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)		EA		=	\$ -		\$ -
* Permanent Pond/BMP (Outlet Structure)		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	2	EA	\$ 2,370.00	=	\$ 4,740.00		\$ 4,740.00
Silt Fence	1,018	LF	\$ 2.50	=	\$ 2,545.00		\$ 2,545.00
Temporary Seeding		AC	\$ 628.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 750.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 25.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 500.00	=	\$ -		\$ -
Inlet Protection	9	EA	\$ 167.00	=	\$ 1,503.00		\$ 1,503.00
Sediment Basin	1	EA	\$ 1,762.00	=	\$ 1,762.00		\$ 1,762.00
Concrete Washout Basin	2	EA	\$ 900.00	=	\$ 1,800.00		\$ 1,800.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					\$ 4,322.50		\$ 4,322.50
Section 1 Subtotal					\$ 21,972.50		\$ 21,972.50
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 28.00	=	\$ -		\$ -
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) _" thick		Tons	\$ 88.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 300.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 13.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 23.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 200.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 24.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 30.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 30.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 48.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 60.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 72.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 96.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,150.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 61.00	=	\$ -		\$ -
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)		LF	\$ 80.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 16.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 425,000	=	\$ -		\$ -

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Project Name		Date		PCD File No.			
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				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 65.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 78.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 97.00	=	\$ -		\$ -
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 = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,542.00	=	\$ -		\$ -
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'		EA	\$ 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		EA	\$ 11,627.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00	=	\$ -		\$ -
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				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal				=	\$ -		\$ -

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION							
King Soopers #147		3/31/2020		XX-XX-XXX			
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
Curb Inlet (Type 13 Combo) L=5', Depth < 5'	5	EA	\$ 3,754.88	=	\$ 18,774.40		\$ 18,774.40
Curb Inlet (Type R) L=10', Depth < 5'	5	EA	\$ 7,627.00	=	\$ 38,135.00		\$ 38,135.00
Storm Sewer Manhole, Slab Base	4	EA	\$ 6,395.00	=	\$ 25,580.00		\$ 25,580.00
12" Reinforced Concrete Pipe	825	LF	\$ 47.00		\$ 38,775.00		\$ 38,775.00
18" Reinforced Concrete Pipe	328	LF	\$ 65.00		\$ 21,320.00		\$ 21,320.00
24" Reinforced Concrete Pipe	671	LF	\$ 78.00	=	\$ 52,338.00		\$ 52,338.00
30" Reinforced Concrete Pipe	42	LF	\$ 97.00	=	\$ 4,074.00		\$ 4,074.00
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	171	LF	\$ 64.00	=	\$ 10,944.00		\$ 10,944.00
Water Main Pipe (PVC), Size 12"	1,202	LF	\$ 70.00		\$ 84,140.00		\$ 84,140.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 75.00	=	\$ -		\$ -
Gate Valves, 6"	5	EA	\$ 1,080.03		\$ 5,400.15		\$ 5,400.15
Gate Valves, 8"	1	EA	\$ 1,858.00	=	\$ 1,858.00		\$ 1,858.00
Gate Valves, 12"	5	EA	\$ 3,023.35		\$ 15,116.75		\$ 15,116.75
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	1	EA	\$ 1,324.00	=	\$ 1,324.00		\$ 1,324.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
3/4" Water Meter Assembly & Pit	1	EA	\$ 2,502.78		\$ 2,502.78		\$ 2,502.78
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 4"	379	LF	\$ 43.50	=	\$ 16,486.50		\$ 16,486.50
Cleanout	12	EA	\$ 583.60	=	\$ 7,003.20		\$ 7,003.20
Sanitary Service Line Installation, complete	1	EA	\$ 1,402.00	=	\$ 1,402.00		\$ 1,402.00
Grease Trap (750 Gal)	1	EA	\$ 5,750.00		\$ 5,750.00		\$ 5,750.00
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)							
R.O.W. Deciduous Shade Trees - 2-1/2" cal. B&B	32	EA	650.00	=	\$ 20,800.00		\$ 20,800.00
R.O.W. Deciduous Shade Trees - 2" cal. B&B	8	EA	500.00	=	\$ 4,000.00		\$ 4,000.00
Deciduous Shade Trees - 2-1/2" cal. B&B	41	EA	650.00	=	\$ 26,650.00		\$ 26,650.00
Deciduous Shade Trees - 2" cal. B&B	7	EA	500.00	=	\$ 3,500.00		\$ 3,500.00
Evergreen Trees - 8' ht. B&B	20	EA	600.00	=	\$ 12,000.00		\$ 12,000.00
Deciduous Shrubs - 5 gal (Including Amend. & Soil Prep)	556	EA	38.00	=	\$ 21,128.00		\$ 21,128.00
Evergreen Shrubs - 5 gal (Including Amend. & Soil Prep)	289	EA	48.00		\$ 13,872.00		\$ 13,872.00
Ornamental grasses - 1 gal.	498	EA	15.00		\$ 7,470.00		\$ 7,470.00
Perennials - 1 gal.	452	EA	12.00	=	\$ 5,424.00		\$ 5,424.00
Soil Amendments	51,213	SF	0.50	=	\$ 25,606.50		\$ 25,606.50
Native Seed	25,847	SF	0.15		\$ 3,877.05		\$ 3,877.05
Steel Edging (6" x 12 Gauge Galv. Edging)	8	LF	4.75		\$ 38.00		\$ 38.00
Shredded Cedar Mulch	35	CY	70.00		\$ 2,450.00		\$ 2,450.00
River Rock/Cobble	25,366	SF	1.85		\$ 46,927.10		\$ 46,927.10
Boulders	9	EA	800.00		\$ 7,200.00		\$ 7,200.00
Weed Barrier Fabric	25,366	SF	0.15	=	\$ 3,804.90		\$ 3,804.90
Section 3 Subtotal				=	\$ 588,656.33		\$ 588,656.33

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

ensure plant counts meet the approved landscape plan. They are short.

PROJECT INFORMATION

King Soopers #147

3/31/2020

XX-XX-XXX

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	-	\$		\$
Total Construction Financial Assurance						\$ 610,628.83
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 610,628.83
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 1,060.00
(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 final report for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.



Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Date

4-1-20

Date

Approved by El Paso County Engineer / ECM Administrator

FAE V_3 redlines.pdf Markup Summary

Steve Kuehster (1)

Updated: 7/16/2019

XX-XX-XXX

le Not PPR-19-040

with Pre-Plat Construction)

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Subject: text box

Page Label: 1

Author: Steve Kuehster

Date: 5/1/2020 11:43:59 AM

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PPR-19-040

dsdparsons (1)

Subject: Callout

Page Label: 3

Author: dsdparsons

Date: 5/5/2020 9:16:32 AM

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