

PROJECT: **Private Contract 631, Kings Green Subdivision, 3rd Filing, Phase IV**  
 S.S. PROJECT NO.: **78168.42**

BID DATE: **October 11, 2011**  
 BID TIME: **2:00 PM**

**Engineer's Estimate**

**Knife River - Billings**

**COP Construction LLC**

**Riverside Sand & Gravel, Inc.**

ITEM NO.	EST. QTY.	DESCRIPTION	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$
<b>SCHEDULE I - UTILITIES</b>										
100	1	LS Mobilization and Insurance	16,695.75 / LS =	16,695.75	3,650.00 / LS =	3,650.00	15,000.00 / LS =	15,000.00	31,000.00 / LS =	31,000.00
101	1	LS Traffic Control	1,000.00 / LS =	1,000.00	350.00 / LS =	350.00	1,350.00 / LS =	1,350.00	3,000.00 / LS =	3,000.00
102	1	EA Remove Stub and Connect to Existing Sanitary Sewer Manhole	2,800.00 / EA =	2,800.00	420.00 / EA =	420.00	2,300.00 / EA =	2,300.00	1,300.00 / EA =	1,300.00
103	395	LF 8-inch Sanitary Sewer Pipe	36.00 / LF =	14,220.00	36.50 / LF =	14,417.50	33.00 / LF =	13,035.00	50.00 / LF =	19,750.00
104	4	EA Standard Sanitary Sewer Manhole	3,000.00 / EA =	12,000.00	1,565.00 / EA =	6,260.00	2,300.00 / EA =	9,200.00	3,200.00 / EA =	12,800.00
105	13.8	VF Extra Vertical Depth	110.00 / VF =	1,518.00	83.00 / VF =	1,145.40	70.00 / VF =	966.00	225.00 / VF =	3,105.00
106	11	EA 6-inch Sanitary Sewer Service	400.00 / EA =	4,400.00	84.00 / EA =	924.00	290.00 / EA =	3,190.00	430.00 / EA =	4,730.00
107	292	LF 6-inch Sanitary Sewer Service Pipe	26.00 / LF =	7,592.00	26.00 / LF =	7,592.00	24.00 / LF =	7,008.00	35.00 / LF =	10,220.00
108	2	EA Connect to Existing Capped 8-inch Water Main	1,800.00 / EA =	3,600.00	420.00 / EA =	840.00	1,400.00 / EA =	2,800.00	2,670.00 / EA =	5,340.00
109	446	LF 8-inch Water Main	33.00 / LF =	14,718.00	33.90 / LF =	15,119.40	33.00 / LF =	14,718.00	53.00 / LF =	23,638.00
110	4	EA 8-inch Gate Valve	1,150.00 / EA =	4,600.00	1,220.00 / EA =	4,880.00	1,300.00 / EA =	5,200.00	1,555.00 / EA =	6,220.00
111	6	EA 8-inch Bend	550.00 / EA =	3,300.00	355.00 / EA =	2,130.00	400.00 / EA =	2,400.00	520.00 / EA =	3,120.00
112	1	EA 8x8x6-inch Tee	500.00 / EA =	500.00	460.00 / EA =	460.00	550.00 / EA =	550.00	600.00 / EA =	600.00
113	1	EA Fire Hydrant Assembly	3,850.00 / EA =	3,850.00	4,375.00 / EA =	4,375.00	4,000.00 / EA =	4,000.00	4,150.00 / EA =	4,150.00
114	2	EA Remove Existing 2-inch Blow-off Hydrant	750.00 / EA =	1,500.00	230.00 / EA =	460.00	200.00 / EA =	400.00	550.00 / EA =	1,100.00
115	11	EA 1-inch Water Service	1,100.00 / EA =	12,100.00	805.00 / EA =	8,855.00	1,000.00 / EA =	11,000.00	1,180.00 / EA =	12,980.00
116	1	EA Remove Existing Storm Drain Manhole and Replace with 60-inch Manhole	4,500.00 / EA =	4,500.00	2,605.00 / EA =	2,605.00	3,600.00 / EA =	3,600.00	3,700.00 / EA =	3,700.00
117	1	EA Connect to Existing Storm Drain Main	2,500.00 / EA =	2,500.00	835.00 / EA =	835.00	650.00 / EA =	650.00	660.00 / EA =	660.00
118	4	EA 60-inch Storm Drain Manhole	3,500.00 / EA =	14,000.00	2,240.00 / EA =	8,960.00	3,000.00 / EA =	12,000.00	3,860.00 / EA =	15,440.00
119	484	LF 36x22-inch Arch Class III RCP Storm Drain Pipe	110.00 / LF =	53,240.00	89.00 / LF =	43,076.00	75.00 / LF =	36,300.00	87.00 / LF =	42,108.00

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			UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$	UNIT PRICE \$	TOTAL PRICE \$
120	35 LF	12-inch Storm Drain Inlet Pipe	35.00 / LF =	1,225.00	31.20 / LF =	1,092.00	32.00 / LF =	1,120.00	45.00 / LF =	1,575.00
121	2 EA	Type III Inlet	1,500.00 / EA =	3,000.00	1,670.00 / EA =	3,340.00	1,900.00 / EA =	3,800.00	3,025.00 / EA =	6,050.00
122	1 LS	Clean Existing Inlets and Inlet Piping	800.00 / LS =	800.00	575.00 / LS =	575.00	500.00 / LS =	500.00	2,150.00 / LS =	2,150.00
<b>TOTAL FOR SCHEDULE I - UTILITIES</b>				<b>\$183,658.75</b>	<b>\$132,361.30</b>	<b>\$151,087.00</b>	<b>\$214,736.00</b>			
<b>SCHEDULE II - STREETS</b>										
201	1 LS	Mobilization and Insurance	9,433.85 / LS =	9,433.85	10,800.00 / LS =	10,800.00	12,000.00 / LS =	12,000.00	22,000.00 / LS =	22,000.00
202	1 LS	Storm Water Management and Erosion Control	2,000.00 / LS =	2,000.00	5,900.00 / LS =	5,900.00	8,000.00 / LS =	8,000.00	13,750.00 / LS =	13,750.00
203	1 LS	Traffic Control	1,000.00 / LS =	1,000.00	3,000.00 / LS =	3,000.00	2,000.00 / LS =	2,000.00	3,020.00 / LS =	3,020.00
204	1 LS	Lot Mass Grading	8,000.00 / LS =	8,000.00	10,800.00 / LS =	10,800.00	12,500.00 / LS =	12,500.00	4,400.00 / LS =	4,400.00
205	3,318 CY	Unclassified Excavation - Stockpiles	6.00 / CY =	19,908.00	4.75 / CY =	15,760.50	6.00 / CY =	19,908.00	6.00 / CY =	19,908.00
206	1,380 CY	Unclassified Excavation - Streets	6.00 / CY =	8,280.00	7.00 / CY =	9,660.00	7.50 / CY =	10,350.00	4.50 / CY =	6,210.00
207	639 CY	1 1/2-inch Base Gravel (11-inch section)	21.50 / CY =	13,738.50	23.00 / CY =	14,697.00	25.00 / CY =	15,975.00	31.00 / CY =	19,809.00
208	1,768 SY	Asphalt Surface Course (3-inch Section)	12.00 / SY =	21,216.00	11.50 / SY =	20,332.00	12.00 / SY =	21,216.00	13.00 / SY =	22,984.00
209	3 EA	Monument and Box	450.00 / EA =	1,350.00	590.00 / EA =	1,770.00	600.00 / EA =	1,800.00	550.00 / EA =	1,650.00
210	970 LF	Curb and Gutter	11.00 / LF =	10,670.00	11.50 / LF =	11,155.00	12.50 / LF =	12,125.00	10.00 / LF =	9,700.00
211	2 EA	Remove and Dispose of Road Closed Sign and Nine-Button Delineators	350.00 / EA =	700.00	90.00 / EA =	180.00	100.00 / EA =	200.00	200.00 / EA =	400.00
212	1 LS	Yellow Curb Paint	500.00 / LS =	500.00	270.00 / LS =	270.00	300.00 / LS =	300.00	1,700.00 / LS =	1,700.00
213	221 SF	Trail to Curbwalk Transition (Includes Base Gravel)	6.00 / SF =	1,326.00	2.50 / SF =	552.50	3.00 / SF =	663.00	9.00 / SF =	1,989.00
214	3 EA	Adjust Existing Manhole to Grade	450.00 / EA =	1,350.00	375.00 / EA =	1,125.00	400.00 / EA =	1,200.00	555.00 / EA =	1,665.00
215	1 EA	Adjust Existing Valve to Grade	450.00 / EA =	450.00	375.00 / EA =	375.00	400.00 / EA =	400.00	250.00 / EA =	250.00
216	3 EA	Adjust Existing Inlet to Grade	450.00 / EA =	1,350.00	240.00 / EA =	720.00	250.00 / EA =	750.00	365.00 / EA =	1,095.00
217	1 EA	12-Unit Mail Box	2,500.00 / EA =	2,500.00	1,930.00 EA	1,930.00	2,200.00 EA	2,200.00	3,430.00 EA	3,430.00
<b>TOTAL FOR SCHEDULE II - STREETS</b>				<b>\$103,772.35</b>	<b>\$109,027.00</b>	<b>\$121,587.00</b>	<b>\$133,960.00</b>			
<b>TOTAL BID FOR SCHEDULES I and II</b>				<b>\$287,431.10</b>	<b>\$241,388.30</b>	<b>\$272,674.00</b>	<b>\$348,696.00</b>			

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**Combine Low Bid Totals (Schedule I and Schedule II)**

c: Engineer, Owner, Bid Tabs Book

Percent Under Engineer's Estimate	16.0%	5.1%	-21.3%
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