



PROJECT NAME: Riverstone - 5th Addition (Based on NPA Prices From 4th Addition)

PROJECT LOCATION: Ramsey, MN

CARLSON MCCAIN PROJECT NO.: 6435-00

OWNER: Riverstone Development, LLC.

DATE: 10/01/20

BY: KRO

### COST ESTIMATE SUMMARY

DESCRIPTION OF WORK	AMOUNT
SANITARY SEWER	\$240,060.80
WATERMAIN	\$356,172.50
STORM SEWER	\$156,336.50
STREETS	\$583,575.00
<b>TOTAL</b>	<b>\$1,336,144.80</b>

Note:

This estimate is based on preliminary design and is subject to change with final design.

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SANITARY SEWER

Item No.	Quantity	Unit	Description	Unit Price	Amount
1	1,388	L.F.	8" PVC SDR 35 10-12' w/ Sand Bedding	\$ 18.50	\$ 25,678.00
2	878	L.F.	8" PVC SDR 35 12-14' w/ Sand Bedding	\$ 20.50	\$ 17,999.00
3	17	EA	48" Sanitary Sewer Manhole 0-10'	\$ 3,100.00	\$ 52,700.00
4	27.98	V.F.	48" Manhole Build in Excess of 10'	\$ 285.00	\$ 7,974.30
5	68	EA	8" x 4" Service Wye	\$ 180.00	\$ 12,240.00
6	3,250	L.F.	4" PVC SDR 26 Service Pipe w/ Sand Bedding	\$ 16.25	\$ 52,812.50
7	3	EA	Connect to Existing Sewer	\$ 1,500.00	\$ 4,500.00
8	1	EA	Connect to Existing Manhole	\$ 2,000.00	\$ 2,000.00
9	8	EA	Connect to Existing Service Wye/Riser	\$ 500.00	\$ 4,000.00
10	1	EA	Sewer Test	\$ 2,000.00	\$ 2,000.00
11	2,266	L.F.	Televising	\$ 2.00	\$ 4,532.00
12	750	Ton	1.5" Rock for Granular Pipe Bedding (100% Crushed)	\$ 31.50	\$ 23,625.00
13	1	L.S.	Sanitary Tracewire (Mainline & Services)	\$ 5,000.00	\$ 5,000.00
14	1	L.S.	Dewatering	\$ 25,000.00	\$ 25,000.00
TOTAL					\$ 240,060.80

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WATERMAIN

Item No.	Quantity	Unit	Description		Amount
1	93	L.F.	6" DIP CL 52	\$ 50.00	\$ 4,650.00
2	3,400	L.F.	8" DIP CL 52	\$ 48.75	\$ 165,750.00
3	6	EA	8" Gate Valve & Box	\$ 2,000.00	\$ 12,000.00
4	4	EA	Connect to Existing	\$ 1,750.00	\$ 7,000.00
5	7	EA	Fire Hydrant w/ Gate Valve	\$ 5,815.00	\$ 40,705.00
6	4,000	lbs	D.I. Fittings	\$ 5.00	\$ 20,000.00
7	2	EA	8" Plug w/Blowout (See Detail)	\$ 1,080.00	\$ 2,160.00
8	76	EA	1" Corporation Stop w/ Service Saddle	\$ 225.00	\$ 17,100.00
9	76	EA	1" Curb Stop and Box	\$ 275.00	\$ 20,900.00
10	3,250	L.F.	1" Copper Type "K" Service Pipe	\$ 18.55	\$ 60,287.50
11	160	S.F.	4" Insulation	\$ 7.00	\$ 1,120.00
12	1	L.S.	Water Test	\$ 4,500.00	\$ 4,500.00
TOTAL					\$ 356,172.50

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STORM SEWER

Item No.	Quantity	Unit	Description	Unit Price	Amount
1	687	L.F.	12" RCP Cl. 5	\$ 35.50	\$ 24,388.50
2	569	L.F.	15" RCP Cl. 5	\$ 40.00	\$ 22,760.00
3	412	L.F.	18" RCP Cl. 5	\$ 44.00	\$ 18,128.00
4	119	L.F.	21" RCP Cl. 4	\$ 50.00	\$ 5,950.00
5	330	L.F.	24" RCP Cl. 3	\$ 60.00	\$ 19,800.00
6	2	EA	12" RCP Flared End Section	\$ 1,225.00	\$ 2,450.00
7	1	EA	15" RCP Flared End Section w/Trash Guard	\$ 1,525.00	\$ 1,525.00
8	1	EA	18" RCP Flared End Section w/Trash Guard	\$ 1,625.00	\$ 1,625.00
9	1	EA	24" RCP Flared End Section w/Trash Guard	\$ 1,925.00	\$ 1,925.00
10	31	C.Y.	Rip Rap CL. 3	\$ 100.00	\$ 3,100.00
11	3	EA	24" x 36" Catch Basin	\$ 2,075.00	\$ 6,225.00
12	4	EA	27" Dia. Catch Basin	\$ 1,500.00	\$ 6,000.00
13	5	EA	48" Dia. Catch Basin Manhole	\$ 2,500.00	\$ 12,500.00
14	1	EA	48" Dia. Storm Manhole	\$ 2,500.00	\$ 2,500.00
15	4	EA	60" Dia. Catch Basin Manhole	\$ 3,600.00	\$ 14,400.00
16	1	EA	48" Outlet Control Structure	\$ 7,100.00	\$ 7,100.00
17	16	EA	Erosion Control for Catch Basins	\$ 185.00	\$ 2,960.00
18	3	EA	Connect to Existing Catch Basin Manhole	\$ 1,000.00	\$ 3,000.00
			TOTAL		\$ 156,336.50

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**STREET CONSTRUCTION**

Item No.	Quantity	Unit	Description	Unit Price	Amount
1	11,000	S.Y.	Subgrade Preparation	\$ 1.00	\$ 11,000.00
2	11,000	S.Y.	4" Aggregate Base Cl. 5	\$ 4.75	\$ 52,250.00
3	9,000	S.Y.	2" Bit. Non-wear Course Type SP 12.5, SPNWB330C	\$ 9.70	\$ 87,300.00
4	9,000	S.Y.	1.5" Bit. Wear Course Type SP 9.5, SPWEA340C (2022)	\$ 8.50	\$ 76,500.00
5	700	GAL	Tack Coat	\$ 4.00	\$ 2,800.00
6	5,400	L.F.	Surmountable Concrete Curb & Gutter	\$ 13.00	\$ 70,200.00
7	400	L.F.	B618 Concrete Curb & Gutter	\$ 21.00	\$ 8,400.00
8	480	L.F.	B612 Concrete Curb & Gutter	\$ 18.00	\$ 8,640.00
9	90	L.F.	Concrete Valley Gutter	\$ 65.00	\$ 5,850.00
10	11	EA	Adjust Catch Basin Casting	\$ 200.00	\$ 2,200.00
11	42	EA	Adjust Manhole Casting	\$ 500.00	\$ 21,000.00
12	14	EA	Adjust Gate Valve & Box	\$ 235.00	\$ 3,290.00
13	15,250	S.F.	Concrete Sidewalk (see detail)	\$ 5.50	\$ 83,875.00
14	2,300	S.Y.	10' Bituminous Trail (Includes Cl. 5 & Subgrade Preparation)	\$ 22.00	\$ 50,600.00
15	4	EA	Pedestrian Ramp	\$ 2,115.00	\$ 8,460.00
16	1	EA	Remove & Dispose of Existing Temporary Cul-De-Sac	\$ 5,000.00	\$ 5,000.00
17	100	L.F.	Remove & Dispose of Existing Concrete Curb & Gutter	\$ 20.00	\$ 2,000.00
18	210	L.F.	Sawcut Bituminous	\$ 4.00	\$ 840.00
19	210	L.F.	Mill Bituminous	\$ 10.00	\$ 2,100.00
20	1	L.S.	Backfill Curb & Gutter & Grade Boulevard	\$ 16,285.00	\$ 16,285.00
21	4,100	S.Y.	Sod	\$ 6.85	\$ 28,085.00
22	8.0	AC	Turf Establishment	\$ 650.00	\$ 5,200.00
23	600	L.F.	Conduit Crossings(Utility-4"PVC Supplied by Small Utilities)	\$ 8.00	\$ 4,800.00
24	100	L.F.	Conduit Crossings (Irrigation-4"PVC Supplied by Contractor)	\$ 12.00	\$ 1,200.00
25	4	EA	R1-1 Stop Sign	\$ 275.00	\$ 1,100.00
26	13	EA	R8-3 Sign	\$ 150.00	\$ 1,950.00
27	2	EA	R8-3MP Sign	\$ 150.00	\$ 300.00
28	2	EA	W11-2 Sign	\$ 275.00	\$ 550.00
29	2	EA	TAPCO Pedestrian Crossing Signal (See Detail)	\$ 10,000.00	\$ 20,000.00
30	3	EA	Street Sign	\$ 600.00	\$ 1,800.00
	<b>TOTAL</b>				\$ 583,575.00