BG CONSULTANTS, INC. / Engineers-Architects-Surveyors

1405 Wakarusa Drive • Lawrence, Kansas 66049 • (785) 749-4474 • Fax: (785) 749-7340 • www.bgcons.com

March 22, 2005

Chris Stewart
Department of Utilities
720 W. 3rd Street
Lawrence, KS 66044

Re: 2005 Waterline Improvements
City Project No. 2WL-124
04-343L

Dear Chris:

The bid letting for the 2005 Waterline Improvements was conducted March 15, 2005. Two (2) bids were received from Nowak Construction and Garney Construction. The engineer's estimate was $1,008,261.10. Nowak Construction submitted the low bid in the amount of 869,854.85.

Nowak Construction is an experienced waterline installation contractor with past projects in the City of Lawrence. Their references also included work in Downtown Wichita, KS. We feel they are qualified to complete this work.

We recommend award of the contract to Nowak Construction in the base bid amount of $780,783.95 and including any add alternate bid items up to the grand total of $869,854.85. Please find attached the bid tabulations for this project. If you have any questions or need additional information, please call.

Sincerely,

BG CONSULTANTS, INC.

Brian P. Kingsley, P.E.
Project Engineer

BPK/ts

2005 Waterline Improvements
Bid Tabulations
City of Lawrence, Kansas
City Project No. 2WL-124
March 15, 2005
04-343L

Item	Description	Qty	Unit	ENGINEER'S ESTIMATE Unit Price	Nowak Construction Unit Price	Garney Construction Unit Price
1.	16" Ductile Iron Waterline (In Place)	859	L.F.	$ 123.50	**$ 140.00**	$ 317.00
2.	14" Ductile Iron Waterline (In Place)	10	L.F.	$ 110.50	**$ 310.00**	$ 297.00
3.	12" Ductile Iron Waterline (In Place)	1181	L.F.	$ 97.50	**$ 145.00**	$ 297.00
4.	10" PVC Waterline (In Place)	5	L.F.	$ 97.50	**$ 102.00**	$ 155.00
5.	8" PVC Waterline (In Place)	292	L.F.	$ 71.50	**$ 63.00**	$ 170.00
6.	6" PVC Waterline (In Place)	38	L.F.	$ 52.00	**$ 47.00**	$ 145.00
7.	4" PVC Waterline (In Place)	12	L.F.	$ 65.00	**$ 49.00**	$ 145.00
8.	Uncased Bore (Auger Bore Only)	358	L.F.	$ 132.00	**$ 60.00**	$ 150.00
9.	24" Steel Casing (0.375" wall thickness)(In Place)	82	L.F.	$ 360.00	**$ 240.00**	$ 300.00
10.	24" Steel Casing (0.281" wall thickness)(In Place)	38	L.F.	$ 340.00	**$ 254.00**	$ 300.00
11.	20" Steel Casing (0.344" wall thickness)(In Place)	50	L.F.	$ 320.00	**$ 178.00**	$ 285.00
12.	Concrete Encasement of Sanitary Sewer	20	L.F.	$ 60.00	**$ 77.00**	$ 150.00
13.	14" Tapping Valve	1	Each	$ 6,500.00	**$ 9,000.00**	$ 15,000.00
14.	12" Tapping Valve	1	Each	$ 5,250.00	**$ 4,000.00**	$ 6,000.00
15.	8" Tapping Valve	1	Each	$ 2,220.00	**$ 2,700.00**	$ 5,000.00
16.	20" Line-stop Valve	1	Each	$ 25,000.00	**$ 15,400.00**	$ 19,500.00
17.	20" M.J. Butterfly Valve	1	Each	$ 5,950.00	**$ 5,500.00**	$ 8,000.00
18.	16" M.J. Butterfly Valve	3	Each	$ 4,250.00	**$ 2,350.00**	$ 4,000.00
19.	14" Butterfly Valve	1	Each	$ 3,850.00	**$ 2,000.00**	$ 3,500.00
20.	12" M.J. Gate Valve	8	Each	$ 1,500.00	**$ 1,400.00**	$ 2,000.00
21.	10" M.J. Gate Valve	1	Each	$ 1,400.00	**$ 1,100.00**	$ 1,500.00
22.	8" M.J. Gate Valve	4	Each	$ 1,080.00	**$ 775.00**	$ 1,200.00
23.	6" M.J. Gate Valve	2	Each	$ 720.00	**$ 600.00**	$ 900.00
24.	4" M.J. Gate Valve	1	Each	$ 600.00	**$ 450.00**	$ 700.00
25.	Temporary Blowoff Assembly	1	Each	$ 900.00	**$ 900.00**	$ 1,200.00
26.	Std. Fire Hydrant Setting	5	Each	$ 3,000.00	**$ 2,300.00**	$ 3,000.00
27.	Remove Existing Fire Hydrant	5	Each	$ 500.00	**$ 200.00**	$ 1,000.00
28.	Connect to Existing Waterline	7	Each	$ 3,500.00	**$ 2,050.00**	$ 3,000.00
29.	Disconnect Existing Waterline	6	Each	$ 1,500.00	**$ 2,100.00**	$ 1,000.00
30.	Connect to Existing Fireline	3	Each	$ 1,800.00	**$ 1,600.00**	$ 2,500.00
31.	3/4" Short Service Line	17	Each	$ 480.00	**$ 630.00**	$ 800.00
32.	3/4" Long Service Line	1	Each	$ 780.00	**$ 1,300.00**	$ 3,000.00
33.	1" Short Service Line	6	Each	$ 540.00	**$ 650.00**	$ 1,000.00
34.	1" Long Service Line	2	Each	$ 900.00	**$ 1,500.00**	$ 3,500.00
35.	1 1/2" Short Service Line	2	Each	$ 900.00	**$ 1,250.00**	$ 1,300.00
36.	2" Short Service Line	4	Each	$ 1,200.00	**$ 1,900.00**	$ 1,500.00
37.	Connect to Existing Water Service	29	Each	$ 300.00	**$ 52.00**	$ 300.00
38.	New Meter Tile	4	Each	$ 240.00	**$ 400.00**	$ 300.00
39.	New Meter Setter	4	Each	$ 360.00	**$ 150.00**	$ 350.00
40.	New Ring/Lid	4	Each	$ 300.00	**$ 130.00**	$ 250.00
41.	Remove and Replace Asphalt Surfacing	307.3	S.Y.	$ 102.00	**$ 96.00**	$ 75.00
42.	Pavement Patch	520.1	S.Y.	$ 84.00	**$ 70.00**	$ 55.00
43.	Remove and Replace Concrete Surfacing (A.E.)(Reinf.)	6.2	S.Y.	$ 120.00	**$ 90.00**	$ 50.00
44.	Remove and Replace Curb and Gutter (A.E.)	39	L.F.	$ 42.00	**$ 31.00**	$ 22.00
45.	Remove and Replace Brick Sidewalk	36.5	S.F.	$ 48.00	**$ 50.00**	$ 20.00
46.	Remove and Replace Concrete Sidewalk (A.E.)(4" min.)	487.9	S.Y.	$ 54.00	**$ 68.50**	$ 45.00
47.	Remove and Replace Access Ramp	0	Each	$ 1,800.00	**$ -**	$ 5,000.00
48.	Mill Asphalt Pavement (±2")	1237	S.Y.	$ 15.00	**$ 14.00**	$ 13.00
49.	Asphalt Overlay (BM-2)(±2")	208	Tons	$ 72.00	**$ 42.00**	$ 60.00
50.	Pavement Markings (Heat-Fused Preformed Thermoplastic)	1	L.S.	$ 4,800.00	**$ 5,500.00**	$ 5,000.00

51.	Removal of Existing Structures	1	L.S.	$	1,200.00	$	**1,000.00**	$	2,000.00
52.	Construction Staking	1	L.S.	$	4,860.00	$	**3,800.00**	$	4,000.00
53.	Seeding, Fertilizing and Mulching	1	L.S.	$	2,400.00	$	**3,000.00**	$	5,000.00
54.	Mobilization	1	L.S.	$	30,000.00	$	**15,000.00**	$	45,000.00
55.	Traffic Control	1	L.S.	$	45,000.00	$	**22,200.00**	$	25,000.00
56.	Pedestrian Traffic Control	1	L.S.	$	15,500.00	$	**2,000.00**	$	15,000.00
57.	Storm Water Pollution Prevention	1	L.S.	$	3,000.00	$	**1,000.00**	$	8,000.00
				$	-	$	**-**	$	-
58.	3/4" Short Service Line	1	Each	$	480.00	$	**640.00**	$	800.00
59.	1" Short Service Line	2	Each	$	540.00	$	**500.00**	$	1,000.00
60.	1" Long Service Line	3	Each	$	900.00	$	**1,200.00**	$	3,500.00
61.	New Meter Tile	6	Each	$	240.00	$	**100.00**	$	300.00
62.	New Meter Setter	6	Each	$	360.00	$	**150.00**	$	350.00
63.	New Ring/Lid	6	Each	$	300.00	$	**170.00**	$	250.00
64.	No. 2 Eclipse Hydrant	5	Each	$	1,200.00	$	**700.00**	$	2,000.00
65.	3" PVC Conduit (Sch. 40)(In Place)	30	L.F.	$	12.00	$	**11.00**	$	30.00
				$	-	$	**-**	$	-
66.	Electrical	1	L.S.	$	65,000.00	$	**61,500.00**	$	95,000.00
67.	Remove and Replace Concrete Sidewalk (A.E.)(4" min.)	10.8	S.Y.	$	54.00	$	**280.00**	$	45.00
68.	Removal of Existing Structures (for Electrical)	1	L.S.	$	2,500.00	$	**1,400.00**	$	2,000.00
69.	Construction Staking (for Electrical)	1	L.S.	$	900.00	$	**1,500.00**	$	1,000.00
70.	Seeding, Fertilizing and Mulching (for Electrical)	1	L.S.	$	600.00	$	**70.00**	$	500.00
71.	Mobilization (for Electrical)	1	L.S.	$	5,300.00	$	**1,000.00**	$	6,000.00
		Base Bid Total =		**$**	**861,524.30**	**$**	**780,783.95**	**$**	**1,338,298.50**
Add Alternate No. 1									
AA1-1.	2" HDPE Pipe (by Directional Bore)	970	L.F.	$	30.00	$	**15.00**	$	13.00
AA1-2.	Irrigation Enclosure	2	Each	$	1,200.00	$	**1,000.00**	$	2,500.00
AA1-3.	Remove and Replace Concrete Sidewalk (A.E.)(4" min.)	19.3	S.Y.	$	54.00	$	**81.00**	$	45.00
		Add Alternate No. 1 Total =		**$**	**32,542.20**	**$**	**18,113.30**	**$**	**18,478.50**
Add Alternate No. 2									
AA2-1.	Electrical	1	L.S.	$	65,000.00	$	**42,300.00**	$	46,000.00
AA2-2.	Remove and Replace Asphalt Surfacing	21.9	S.Y.	$	102.00	$	**146.00**	$	120.00
AA2-3.	Remove and Replace Concrete Sidewalk (A.E.)(4" min.)	10.8	S.Y.	$	54.00	$	**281.00**	$	285.00
AA2-4.	Removal of Existing Structures	1	L.S.	$	2,500.00	$	**1,200.00**	$	1,600.00
AA2-5.	Construction Staking	1	L.S.	$	900.00	$	**1,000.00**	$	1,000.00
AA2-6.	Mobilization	1	L.S.	$	5,000.00	$	**1,000.00**	$	1,000.00
AA2-7.	Traffic Control	1	L.S.	$	9,000.00	$	**3,000.00**	$	3,000.00
AA2-8.	Storm Water Pollution Prevention	1	L.S.	$	600.00	$	**500.00**	$	1,000.00
AA2-9.	Pavement Markings (Heat-Fused Preformed Thermoplastic)	1	L.S.	$	1,200.00	$	**1,250.00**	$	3,500.00
		Add Alternate No. 2 Total =		**$**	**87,017.00**	**$**	**56,482.20**	**$**	**62,806.00**
Add Alternate No. 2A									
AA2A-1.	Remove and Replace Asphalt Surfacing	88.8	S.Y.	$	102.00	$	**133.00**	$	85.00
		Add Alternate No. 2A Total =		**$**	**9,057.60**	**$**	**11,810.40**	**$**	**7,548.00**
Add Alternate No. 3									
AA3-1.	Light Pole Footing	1	L.S.	$	3,120.00	$	**700.00**	$	700.00
		Add Alternate No. 3 Total =		**$**	**3,120.00**	**$**	**700.00**	**$**	**700.00**
Add Alternate No. 4									
AA4-1.	Chain Link Fence (East Side of Street)	1	Each	$	15,000.00	$	**1,965.00**	$	14,000.00
		Add Alternate No. 4 Total =		**$**	**15,000.00**	**$**	**1,965.00**	**$**	**14,000.00**
		Grand Total =		**$**	**1,008,261.10**	**$**	**869,854.85**	**$**	**1,441,831.00**