City of Bel Aire, Kansas

STAFF REPORT

DATE: August 29, 2022

TO: City Manager

FROM: Anne Stephens, PE, City Engineer

RE: Water, Sanitary Sewer and Drainage Improvements for Skyview at Block 49 2nd

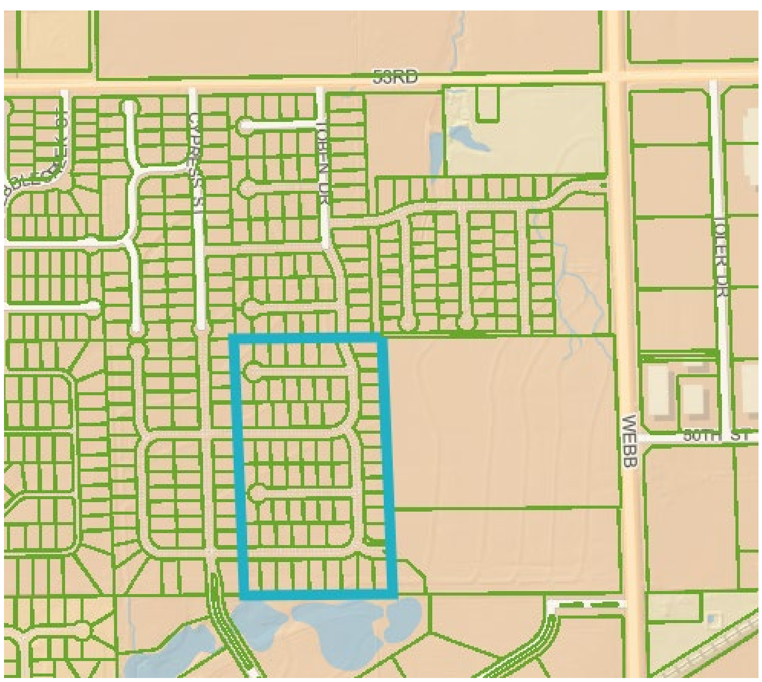
BACKGROUND:

The Developer is ready to begin the development of Skyview at Block 49 2nd.

DISCUSSION:

Garver designed the water, sanitary sewer and drainage improvements for Skyview at Block 49 2nd. Bids were accepted on August 9th. Five contractors responded to the solicitation.

Contractor	Water	Sewer	Drainage	Total
Apex	$128,825.00	$221,030.00	$252,920.00	$602,775.00
Dondlinger	$86,602.20	$151,709.00	$206,217.90	$444,528.90
McCullough	$91,493.00	$133,746.00	$195,079.20	$420,318.20
Mies	$89,599.00	$160,026.00	$230,059.00	$479,684.00
Nowak	$98,795.00	$180,622.00	$212,472.50	$491,889.50
Engineer's Estimate	$83,824.00	$124,129.00	$230,883.00	$438,836.00



FINANCIAL CONSIDERATIONS: The cost of the improvements for Skyview at Block 49 2nd will be financed through a bond and spread as special assessments against the benefiting lots.

POLICY DECISION: Staff adhered to the purchasing policy in gathering a minimum of three bids.

RECOMENDATION: Staff recommends that the City Council accept the bid from McCullough for $420,318.20.

				Engineers Estimate		Contractor	**McCullough**	Contractor	**Mies**	Contractor	**Dondlinger**	Contractor	**Apex**	Contractor	**Nowak**
	Water Project	Quantity	Unit	Extension	Total	Extension	Total	Extension	Total	Extension	Total	Extension	Total	Extension	Total
1	8" PVC Pipe	1326	LF	$ 22.00	$ 29,172.00	$ 38.00	$ 50,388.00	$ 44.00	$ 58,344.00	$ 42.00	$ 55,692.00	$ 60.00	$ 79,560.00	$ 44.00	$ 58,344.00
2	Fire Hydrant Assembly	2	EA	$ 40.00	$ 80.00	$ 4,990.00	$ 9,980.00	$ 5,525.00	$ 11,050.00	$ 5,100.00	$ 10,200.00	$ 5,745.00	$ 11,490.00	$ 4,700.00	$ 9,400.00
3	Gate Valve Assembly, 8" MJ	2	EA	$ 4,000.00	$ 8,000.00	$ 1,850.00	$ 3,700.00	$ 1,700.00	$ 3,400.00	$ 1,800.00	$ 3,600.00	$ 2,005.00	$ 4,010.00	$ 1,700.00	$ 3,400.00
4	Anchor Valve Assembly, 8"	2	EA	$ 2,200.00	$ 4,400.00	$ 2,575.00	$ 5,150.00	$ 1,925.00	$ 3,850.00	$ 2,000.00	$ 4,000.00	$ 2,290.00	$ 4,580.00	$ 2,000.00	$ 4,000.00
5	Blowoff Assembly, 2"	2	EA	$ 3,000.00	$ 6,000.00	$ 1,180.00	$ 2,360.00	$ 1,340.00	$ 2,680.00	$ 1,300.00	$ 2,600.00	$ 1,345.00	$ 2,690.00	$ 1,700.00	$ 3,400.00
6	Water Service, Long	10	EA	$ 1,000.00	$ 10,000.00	$ 1,550.00	$ 15,500.00	$ 650.00	$ 6,500.00	$ 650.00	$ 6,500.00	$ 1,625.00	$ 16,250.00	$ 1,600.00	$ 16,000.00
7	Connect to Existing	1	EA	$ 800.00	$ 800.00	$ 1,980.00	$ 1,980.00	$ 650.00	$ 650.00	$ 750.00	$ 750.00	$ 780.00	$ 780.00	$ 1,000.00	$ 1,000.00
8	Site Clearing	1	LS	$ 2,000.00	$ 2,000.00	$ 10.00	$ 10.00	$ 250.00	$ 250.00	$ 500.00	$ 500.00	$ 6,150.00	$ 6,150.00	$ 1,000.00	$ 1,000.00
9	Site Restoration	1	LS	$ 1,372.00	$ 1,372.00	$ 10.00	$ 10.00	$ 250.00	$ 250.00	$ 500.00	$ 500.00	$ 100.00	$ 100.00	$ 1.00	$ 1.00
10	Contractor Provided Testing	1	LS	$ 1,000.00	$ 1,000.00	$ 1,200.00	$ 1,200.00	$ 650.00	$ 650.00	$ 1,000.00	$ 1,000.00	$ 1,640.00	$ 1,640.00	$ 1,600.00	$ 1,600.00
11	Seeding	1	LS	$ 1,000.00	$ 1,000.00	$ 1,175.00	$ 1,175.00	$ 1,175.00	$ 1,175.00	$ 900.00	$ 900.00	$ 1,175.00	$ 1,175.00	$ 150.00	$ 150.00
12	Sand Backfill, Jet, & Vibrate	40	LF	$ 500.00	$ 20,000.00	$ 1.00	$ 40.00	$ 20.00	$ 800.00	$ 9.00	$ 360.00	$ 10.00	$ 400.00	$ 12.50	$ 500.00
				Water Total	**$ 83,824.00**	Water Total	**$ 91,493.00**	Water Total	**$ 89,599.00**	Water Total	**$ 86,602.00**	Water Total	**$ 128,825.00**	Water Total	**$ 98,795.00**
17	8" PVC Pipe	1664	LF	$ 30.00	$ 49,920.00	$ 31.00	$ 51,584.00	$ 37.00	$ 61,568.00	$ 42.00	$ 69,888.00	$ 80.00	$ 133,120.00	$ 44.00	$ 73,216.00
18	MH, Standard (4' Dia)	5	EA	$ 4,500.00	$ 22,500.00	$ 3,350.00	$ 16,750.00	$ 3,400.00	$ 17,000.00	$ 3,100.00	$ 15,500.00	$ 3,735.00	$ 18,675.00	$ 3,800.00	$ 19,000.00
19	Doghouse MH, Standard (4' Dia)	1	EA	$ 25.00	$ 25.00	$ 4,300.00	$ 4,300.00	$ 6,800.00	$ 6,800.00	$ 7,300.00	$ 7,300.00	$ 3,745.00	$ 3,745.00	$ 5,800.00	$ 5,800.00
20	Riser Pipe Assembly (4")	38	EA	$ 950.00	$ 36,100.00	$ 1,205.00	$ 45,790.00	$ 1,300.00	$ 49,400.00	$ 1,100.00	$ 41,800.00	$ 1,080.00	$ 41,040.00	$ 1,550.00	$ 58,900.00
21	Connect to Exist SS	1	EA	$ 25.00	$ 25.00	$ 2,250.00	$ 2,250.00	$ 195.00	$ 195.00	$ 750.00	$ 750.00	$ 1,445.00	$ 1,445.00	$ 2,600.00	$ 2,600.00
22	Flowable Fill	37	LF	$ 100.00	$ 3,700.00	$ 71.00	$ 2,627.00	$ 84.00	$ 3,108.00	$ 60.00	$ 2,220.00	$ 112.00	$ 4,144.00	$ 90.00	$ 3,330.00
23	Sand Backfill, Jet, & Vibrate	395	LF	$ 20.00	$ 7,900.00	$ 15.00	$ 5,925.00	$ 37.00	$ 14,615.00	$ 22.00	$ 8,690.00	$ 26.00	$ 10,270.00	$ 25.00	$ 9,875.00
24	Cleanout Riser Assembly	1	EA	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,565.00	$ 1,565.00	$ 1,600.00	$ 1,600.00	$ 1,690.00	$ 1,690.00	$ 1,900.00	$ 1,900.00
25	Site Clearing	1	LS	$ 1,500.00	$ 1,500.00	$ 10.00	$ 10.00	$ 2,250.00	$ 2,250.00	$ 500.00	$ 500.00	$ 3,855.00	$ 3,855.00	$ 3,000.00	$ 3,000.00
26	Site Restoration	1	LS	$ 709.00	$ 709.00	$ 10.00	$ 10.00	$ 250.00	$ 250.00	$ 500.00	$ 500.00	$ 100.00	$ 100.00	$ 1.00	$ 1.00
27	Contractor Provided Testing	1	LS	$ 250.00	$ 250.00	$ 3,000.00	$ 3,000.00	$ 3,275.00	$ 3,275.00	$ 2,961.00	$ 2,961.00	$ 2,946.00	$ 2,946.00	$ 3,000.00	$ 3,000.00
				SS Total	**$ 124,129.00**	SS Total	**$ 133,746.00**	SS Total	**$ 160,026.00**	SS Total	**$ 151,709.00**	SS Total	**$ 221,030.00**	SS Total	**$ 180,622.00**
32	Excavation	10866	CY	$ 5.00	$ 54,330.00	$ 1.70	$ 18,472.20	$ 4.50	$ 48,897.00	$ 3.25	$ 35,314.50	$ 1.70	$ 18,472.20	$ 3.25	$ 35,314.50
33	95% Compaction Lots	1	LS	$ 22,000.00	$ 22,000.00	$ 4,900.00	$ 4,900.00	$ 3,000.00	$ 3,000.00	$ 1,800.00	$ 1,800.00	$ 4,900.00	$ 4,900.00	$ 1,800.00	$ 1,800.00
34	95% Compaction – ROW	1	LS	$ 15,000.00	$ 15,000.00	$ 4,900.00	$ 4,900.00	$ 2,565.00	$ 2,565.00	$ 1,100.00	$ 1,100.00	$ 4,900.00	$ 4,900.00	$ 1,100.00	$ 1,100.00
35	15" RCP	554	LF	$ 50.00	$ 27,700.00	$ 35.00	$ 19,390.00	$ 45.00	$ 24,930.00	$ 42.00	$ 23,268.00	$ 65.00	$ 36,010.00	$ 41.00	$ 22,714.00
36	18" RCP	934	LF	$ 60.00	$ 2,170.00	$ 39.00	$ 36,426.00	$ 52.00	$ 48,568.00	$ 48.00	$ 44,832.00	$ 70.00	$ 65,380.00	$ 46.00	$ 42,964.00
37	24" RCP	551	LF	$ 75.00	$ 41,325.00	$ 49.00	$ 26,999.00	$ 67.00	$ 36,917.00	$ 55.00	$ 30,305.00	$ 80.00	$ 44,080.00	$ 55.00	$ 30,305.00
38	Backyard Inlet (5' dia)	2	EA	$ 3,000.00	$ 6,000.00	$ 3,500.00	$ 7,000.00	$ 3,300.00	$ 6,600.00	$ 3,100.00	$ 6,200.00	$ 3,480.00	$ 6,960.00	$ 3,200.00	$ 6,400.00
39	Backyard Inlet (4' dia)	9	EA	$ 3,000.00	$ 27,000.00	$ 3,200.00	$ 28,800.00	$ 2,825.00	$ 25,425.00	$ 2,500.00	$ 22,500.00	$ 3,065.00	$ 27,585.00	$ 2,800.00	$ 25,200.00
40	Type P MH (4' dia)	1	EA	$ 4,500.00	$ 4,500.00	$ 3,200.00	$ 3,200.00	$ 3,045.00	$ 3,045.00	$ 2,600.00	$ 2,600.00	$ 3,090.00	$ 3,090.00	$ 2,800.00	$ 2,800.00
41	Type IA Inlet (10'x3')	2	EA	$ 5,000.00	$ 10,000.00	$ 4,850.00	$ 9,700.00	$ 5,400.00	$ 10,800.00	$ 5,200.00	$ 10,400.00	$ 5,455.00	$ 10,910.00	$ 5,300.00	$ 10,600.00
42	Connect to Exist Inlet	1	EA	$ 2,500.00	$ 2,500.00	$ 1,900.00	$ 1,900.00	$ 550.00	$ 550.00	$ 2,300.00	$ 2,300.00	$ 1,380.00	$ 1,380.00	$ 2,300.00	$ 2,300.00
43	Site Clearing	1	LS	$ 3,262.00	$ 3,262.00	$ 16,045.00	$ 16,045.00	$ 3,500.00	$ 3,500.00	$ 8,000.00	$ 8,000.00	$ 13,653.80	$ 13,653.80	$ 14,200.00	$ 14,200.00
44	Site Restoration	1	LS	$ 2,000.00	$ 2,000.00	$ 1,050.00	$ 1,050.00	$ 250.00	$ 250.00	$ 500.00	$ 500.00	$ 100.00	$ 100.00	$ 2,000.00	$ 2,000.00
45	Contractor Furnished Testing	1	LS	$ 7,500.00	$ 7,500.00	$ 3,200.00	$ 3,200.00	$ 2,500.00	$ 2,500.00	$ 3,000.00	$ 3,000.00	$ 3,200.00	$ 3,200.00	$ 3,000.00	$ 3,000.00
46	Seeding	1	LS	$ 1,500.00	$ 1,500.00	$ 5,495.00	$ 5,495.00	$ 5,495.00	$ 5,495.00	$ 9,264.00	$ 9,264.00	$ 5,495.00	$ 5,495.00	$ 5,495.00	$ 5,495.00
47	Install & Maintain Construction Entrance	1	LS	$ 100.00	$ 100.00	$ 1,200.00	$ 1,200.00	$ 1,185.00	$ 1,185.00	$ 750.00	$ 750.00	$ 1,200.00	$ 1,200.00	$ 600.00	$ 600.00
48	Install & Maintain Silt Fence	776	LF	$ 1.00	$ 776.00	$ 2.00	$ 1,552.00	$ 2.00	$ 1,552.00	$ 1.90	$ 1,474.40	$ 2.00	$ 1,552.00	$ 2.00	$ 1,552.00
49	Install & Maintain Drop Inlet Protection	12	EA	$ 100.00	$ 1,200.00	$ 125.00	$ 1,500.00	$ 125.00	$ 1,500.00	$ 120.00	$ 1,440.00	$ 125.00	$ 1,500.00	$ 125.00	$ 1,500.00
50	Install & Maintain Curb Inlet Protection	4	EA	$ 30.00	$ 120.00	$ 125.00	$ 500.00	$ 125.00	$ 500.00	$ 55.00	$ 220.00	$ 125.00	$ 500.00	$ 125.00	$ 500.00
51	Flowable Fill	38	LF	$ 50.00	$ 1,900.00	$ 75.00	$ 2,850.00	$ 60.00	$ 2,280.00	$ 25.00	$ 950.00	$ 54.00	$ 2,052.00	$ 56.00	$ 2,128.00
				SWS Total	**$ 230,883.00**	SWS Total	**$ 195,079.20**	SWS Total	**$ 230,059.00**	SWS Total	**$ 206,217.90**	SWS Total	**$ 252,920.00**	SWS Total	**$ 212,472.50**
				Project Total	**$ 438,836.00**	Project Total	**$ 420,318.20**	Project Total	**$ 479,684.00**	Project Total	**$ 444,528.90**	Project Total	**$ 602,775.00**	Project Total	**$ 491,889.50**
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