

Chapel Landing 5th Phase 1
Bel Aire, Kansas
March 23, 2022
Petition Cost Summary

Sanitary Sewer	\$33.28
Water Distribution System	\$28.52
Paving	\$124.07
SWD Mass Grading	\$11.81
Sewer Main Benefit Fee	\$4.69
Water Main Benefit Fee	\$3.48
Total of All	\$205.85

20 Years

SANITARY PETITION ESTIMATE

Chapel Landing 5th Phase 1

Bel Aire, Kansas

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<u>Item</u>	<u>Quantity</u>		<u>Unit Price</u>	<u>Total</u>
SS PVC Pipe 08"	2715	lf	\$30.00	\$81,450.00
Standard Type P MH	11	ea	\$3,500.00	\$38,500.00
4" Riser Assembly	41	ea	\$950.00	\$38,950.00
Flowable Fill	75	lf	\$75.00	\$5,625.00
Erosion Control BMP, Construction Entrance	1	ea	\$3,500.00	\$3,500.00
Adjust Existing MH	1	ea	\$1,000.00	\$1,000.00
Pipe Testing	1	ls	\$2,800.00	\$2,800.00
Site Clearing & Restoration	1	ls	\$10,000.00	\$10,000.00
			Sub-total	\$181,825.00
Engineering, etc. (35%)				\$63,638.75
			Total	\$245,463.75

PETITION AMOUNT

\$246,000.00

letter of credit

\$86,100.00

Benefit District

No. Lots

Cost per Lot

Lots 4-13, Block A

10

Lots 1-4, 45-63, Block F

23

Lots 1-8, Block E

8

Total Lots

41

Phase 1 Cost Per lot

\$6,000.00

20 Years at 3%, Cost Per Lot Phase 1

\$33.28

WATER PETITION ESTIMATE

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<u>Item</u>	<u>Quantity</u>		<u>Unit Price</u>	<u>Total</u>
WL PVC Pipe 08"	2340	lf	\$35.00	\$81,900.00
Gate Valve Assembly 8"	5	ea	\$1,200.00	\$6,000.00
Anchored Gate Valve Assembly 8"	2	ea	\$1,500.00	\$3,000.00
Blowoff Assembly 2"	2	ea	\$1,000.00	\$2,000.00
Long Services	13	ea	\$1,000.00	\$13,000.00
Fire Hydrant Assembly	4	ea	\$3,750.00	\$15,000.00
Sand Backfill	160	lf	\$10.00	\$1,600.00
Erosion Control BMP, Construction Entrance	1	ea	\$1,000.00	\$1,000.00
Contractor Provided Testing	1	ls	\$2,400.00	\$2,400.00
Site Clearing & Restoration	1	ls	\$2,500.00	\$2,500.00
			Sub-total	\$128,400.00
Engineering, etc. (40%)				\$51,360.00
			Total	\$179,760.00

PETITION AMOUNT

\$180,000.00

letter of credit

\$63,000.00

Benefit District

No. Lots

Cost per Lot

Lots 1-13, Block A

13

Lots 12-13, Block D

2

Lots 1-3, 55-63, Block F

12

Lots 1-8, Block E

8

Total Lots

35

\$5,142.86

Monthly Cost (20 yrs, 3%)

\$28.52

Paving Petition Estimate

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	<u>Quantity</u>		<u>Unit Price</u>	<u>Total</u>
Paving Items				
Concrete Pavement 6"	6691	sy	40.00	267,640.00
Reinforced Crushed Rock Base (5")	8564	sy	8.00	68,512.00
RCVG Pavement (7")	450	sy	55.00	24,750.00
Monolithic C & G (6 5/8" RL)	210	lf	5.00	1,050.00
Comb. C & G (3 5/8" RL & 1 1/2")	3795	lf	9.00	34,155.00
Concrete Sidewalk	8900	sf	4.00	35,600.00
Wheelchair Ramp	6	ea	650.00	3,900.00
Inlet Hookups	5	ea	500.00	2,500.00
Earth Work Items				
Excavation	5500	cy	4.00	22,000.00
General Items				
Site Clearing & Restoration	1	LS	25,000.00	25,000.00
Project Seeding	1	LS	5,000.00	5,000.00
Set Property Irons	1	LS	2,500.00	2,500.00
Erosion Control Blanket	3560	sy	1.25	4,450.00
Erosion Control Inlet Protection	14	ea	150.00	2,100.00
Erosion Control; Maintain Existing	1	LS	2,500.00	2,500.00
Storm Water Sewer Drain				
Inlet Underdrain	100	lf	15.00	1,500.00
SWS Pipe 24"	260	lf	50.00	13,000.00
SWS Pipe 18"	521	lf	45.00	23,445.00
SWS Pipe 15"	337	lf	40.00	13,480.00
Type 1A Inlet Single	2	ea	4,000.00	8,000.00
Type 1A Inlet Double	2	ea	4,500.00	9,000.00
Driveway Inlet	1	ea	3,500.00	3,500.00
Backyard Inlet	5	ea	3,500.00	17,500.00
Sand Backfill	90	lf	10.00	900.00
Temporary Ditch	750	lf	10.00	7,500.00
Traffic				
Street Signage	1	LS	2,500.00	2,500.00
Construction Total				\$601,982.00
Project Costs at 30%				\$180,594.60
Total				\$782,576.60
Petition				\$783,000.00
Letter of Credit (35%)				\$274,000.00

Storm Water Drain Petition Estimate

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	<u>Quantity</u>		<u>Unit Price</u>	<u>Total</u>
Earth Work Items				
Excavation	45000	cy	3.00	135,000.00
General Items				
Site Clearing & Restoration	1	LS	25,000.00	25,000.00
Project Seeding	1	LS	10,000.00	10,000.00
Erosion Control; Maintain Existing	1	LS	2,500.00	2,500.00
SWS Pipe 36"	910	lf	50.00	45,500.00
Type 1A Inlet Double	4	ea	4,500.00	18,000.00
Sand Backfill	90	lf	10.00	900.00
Light Stone Rip-Rap	45	sy	75.00	3,375.00
Construction Total				\$240,275.00
Project Costs at 30%				\$72,082.50
Total				\$312,357.50
Petition				\$313,000.00
Letter of Credit (35%)				\$110,000.00
Phase 1 Lots, 34 @ 1 Share		34		
Phase 2 Lots, 113 @ 1 Share		113		
Total Shares		147		
Cost Per Share				\$2,129.25
Phase 1 Cost Per lot				\$2,129.25
20 Years at 3%, Cost Per Lot Phase 1				\$11.81
20 Years at 3%, Cost Per Lot Phase 2				\$11.81

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Sewer Main Benefit Calculation	
Area in square feet	559795
Main Benefit Fee (\$0.062/sf)	\$34,707.29
With 41 Lots, Cost Per Lot	\$846.52
20 Years at 3% Monthly Assessment	\$4.69

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Water Main Benefit Calculation	
Area in square feet	533357
Main Benefit Fee (\$0.04/sf)	\$21,334.28
With 34 Lots, Cost Per Lot	\$627.48
20 Years at 3% Monthly Assessment	\$3.48