

Oak Crest Sanitary Sewer and Waterline Improvements (#9383404)

Owner: Broken Arrow, City of
Solicitor: Broken Arrow, City of
11/21/2024 01:45 PM CST

						Engineer Estimate		TimberWolf Excavating LLC		Grade Line Construction, LLC		Cherokee Pride Construction Inc./ Sapulpa, ok		Carstensen Contracting, Inc.	
Section Title	Line Item	Item Code	Item Description	UoM	Quantity	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
WATERLINE															
	1	BA 401	Furnish and Install 6" PVC Water Line by Open Cut	Ln Ft	16000	\$110.00	\$1,760,000.00	\$76.00	\$1,216,000.00	\$89.25	\$1,428,000.00	\$95.00	\$1,520,000.00	\$120.00	\$1,920,000.00
	2	BA 401	Furnish and Install 6" PVC Water Line with 12" Steel Casing by Open Cut	Ln Ft	500	\$220.00	\$110,000.00	\$210.00	\$105,000.00	\$175.00	\$87,500.00	\$200.00	\$100,000.00	\$260.00	\$130,000.00
	3	BA 311A	Trench Excavation Safety System	Ln Ft	16400	\$2.25	\$36,900.00	\$2.00	\$32,800.00	\$1.00	\$16,400.00	\$1.00	\$16,400.00	\$3.75	\$61,500.00
	4	BA 310	Site Restoration Allowance (\$150,000)	LS	1	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
	5	BA 412B	Furnish and Install Short Resident Connections	Ea	156	\$1,650.00	\$257,400.00	\$980.00	\$152,880.00	\$1,300.00	\$202,800.00	\$500.00	\$78,000.00	\$1,400.00	\$218,400.00
	6	BA 412B	Furnish and Install Long Resident Connections	Ea	137	\$2,200.00	\$301,400.00	\$1,500.00	\$205,500.00	\$2,700.00	\$369,900.00	\$1,500.00	\$205,500.00	\$4,400.00	\$602,800.00
	7	BA 420A	Furnish and Install 6" Gate Valve	Ea	47	\$2,750.00	\$129,250.00	\$1,450.00	\$68,150.00	\$1,750.00	\$82,250.00	\$2,000.00	\$94,000.00	\$1,900.00	\$89,300.00
	8	BA 410A	Furnish and Install 6" 11.25° DI Bend	Ea	9	\$660.00	\$5,940.00	\$400.00	\$3,600.00	\$500.00	\$4,500.00	\$300.00	\$2,700.00	\$775.00	\$6,975.00
	9	BA 410A	Furnish and Install 6" 22.5° DI Bend	Ea	10	\$715.00	\$7,150.00	\$400.00	\$4,000.00	\$500.00	\$5,000.00	\$300.00	\$3,000.00	\$775.00	\$7,750.00
	10	BA 410A	Furnish and Install 6" 45° DI Bend	Ea	91	\$770.00	\$70,070.00	\$400.00	\$36,400.00	\$500.00	\$45,500.00	\$300.00	\$27,300.00	\$800.00	\$72,800.00
	11	BA 410A	Furnish and Install 6" 90° DI Bend	Ea	4	\$825.00	\$3,300.00	\$400.00	\$1,600.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$850.00	\$3,400.00
	12	BA 410B	Furnish and Install 6" MJ Tee	Ea	25	\$506.00	\$12,650.00	\$680.00	\$17,000.00	\$650.00	\$16,250.00	\$500.00	\$12,500.00	\$1,250.00	\$31,250.00
	13	BA 410B	Furnish and Install 8"x6" MJ Tee	Ea	1	\$1,100.00	\$1,100.00	\$850.00	\$850.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00
	14	BA 410D	Furnish and Install 8" MJ Sleeve	Ea	2	\$550.00	\$1,100.00	\$500.00	\$1,000.00	\$650.00	\$1,300.00	\$1,000.00	\$2,000.00	\$1,100.00	\$2,200.00
	15	BA 410B	Furnish and Install 12"x6" MJ Tee	Ea	2	\$1,034.00	\$2,068.00	\$950.00	\$1,900.00	\$1,100.00	\$2,200.00	\$1,000.00	\$2,000.00	\$2,700.00	\$5,400.00
	16	BA 410D	Furnish and Install 12" MJ Sleeve	Ea	4	\$825.00	\$3,300.00	\$750.00	\$3,000.00	\$1,000.00	\$4,000.00	\$1,500.00	\$6,000.00	\$1,600.00	\$6,400.00
	17	BA 411A	Connect to Existing 8" CIP Water Line	Ea	1	\$2,750.00	\$2,750.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$4,800.00	\$4,800.00
	18	BA 411A	Connect to Existing 12" PVC Water Line	Ea	2	\$3,300.00	\$6,600.00	\$4,100.00	\$8,200.00	\$4,500.00	\$9,000.00	\$6,000.00	\$12,000.00	\$5,400.00	\$10,800.00
	19	BA 423A	Remove and Replace Fire Hydrant Assembly	Ea	14	\$825.00	\$11,550.00	\$6,850.00	\$95,900.00	\$6,500.00	\$91,000.00	\$7,500.00	\$105,000.00	\$7,400.00	\$103,600.00
	20	BA 423A	Furnish and Install Fire Hydrant Assembly	Ea	1	\$7,700.00	\$7,700.00	\$5,500.00	\$5,500.00	\$6,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$6,200.00	\$6,200.00
	21	BA 316	Remove and Replace ADA Compliant Ramp	Sq Yd	200	\$550.00	\$110,000.00	\$140.00	\$28,000.00	\$400.00	\$80,000.00	\$150.00	\$30,000.00	\$150.00	\$30,000.00
	22	BA 316	Remove and Replace Asphalt Pavement	Sq Yd	1800	\$121.00	\$217,800.00	\$110.00	\$198,000.00	\$100.00	\$180,000.00	\$100.00	\$180,000.00	\$175.00	\$315,000.00
	23	BA 316	Remove and Replace Gravel Pavement	Sq Yd	100	\$110.00	\$11,000.00	\$50.00	\$5,000.00	\$30.00	\$3,000.00	\$30.00	\$3,000.00	\$22.00	\$2,200.00
	24	BA 316	Remove and Replace Concrete Drive	Sq Yd	2300	\$165.00	\$379,500.00	\$116.00	\$266,800.00	\$110.00	\$253,000.00	\$100.00	\$230,000.00	\$135.00	\$310,500.00
	25	BA 316	Remove and Replace Concrete Sidewalk	Sq Yd	900	\$132.00	\$118,800.00	\$95.00	\$85,500.00	\$100.00	\$90,000.00	\$95.00	\$85,500.00	\$120.00	\$108,000.00
	26	BA 316	Remove and Replace Reinforced Curb and Gutter	Ln Ft	1600	\$176.00	\$281,600.00	\$55.00	\$88,000.00	\$45.00	\$72,000.00	\$40.00	\$64,000.00	\$58.50	\$93,600.00
	27	BA 310	Silt Fencing	Ln Ft	31900	\$5.50	\$175,450.00	\$2.50	\$79,750.00	\$1.00	\$31,900.00	\$1.00	\$31,900.00	\$4.50	\$143,550.00
	28	BA 310	Curb Inlet Protection	Ea	35	\$22.00	\$770.00	\$500.00	\$17,500.00	\$275.00	\$9,625.00	\$200.00	\$7,000.00	\$250.00	\$8,750.00
	29	NA	OVRB Sign	LS	1	\$220.00	\$220.00	\$2,000.00	\$2,000.00	\$3,800.00	\$3,800.00	\$2,000.00	\$2,000.00	\$1,300.00	\$1,300.00
	30	NA	Traffic Control Plan Implementation	LS	1	\$27,500.00	\$27,500.00	\$50,000.00	\$50,000.00	\$65,000.00	\$65,000.00	\$10,000.00	\$10,000.00	\$180,000.00	\$180,000.00
	31	BA 301	Mobilization and Demobilization (10%)	LS	1	\$370,000.00	\$370,000.00	\$185,000.00	\$185,000.00	\$489,000.00	\$489,000.00	\$220,000.00	\$220,000.00	\$490,000.00	\$490,000.00
SANITARY SEWER															
	32	NA	Replace 8" VCP with 8" HDPE by Pipe Bursting	Ln Ft	12900	\$120.00	\$1,548,000.00	\$85.00	\$1,096,500.00	\$190.00	\$2,451,000.00	\$180.00	\$2,322,000.00	\$110.00	\$1,419,000.00
	33	NA	Replace 8" VCP with 8" HDPE by Open Cut	Ln Ft	4600	\$120.00	\$552,000.00	\$110.00	\$506,000.00	\$190.00	\$874,000.00	\$250.00	\$1,150,000.00	\$170.00	\$782,000.00
	34	NA	Replace 8" CIP with 8" HDPE by Pipe Bursting	Ln Ft	300	\$120.00	\$36,000.00	\$85.00	\$25,500.00	\$190.00	\$57,000.00	\$450.00	\$135,000.00	\$130.00	\$39,000.00
	35	BA 514	Lateral Replacement Outside of Utility Easement with 4" DR 11 HDPE by Open Cut	Ln Ft	3200	\$60.00	\$192,000.00	\$60.00	\$192,000.00	\$10.00	\$32,000.00	\$50.00	\$160,000.00	\$55.00	\$176,000.00
	36	NA	Contractor's Post Construction Clean and CCTV	Ln Ft	17700	\$8.00	\$141,600.00	\$15.00	\$265,500.00	\$20.00	\$354,000.00	\$5.00	\$88,500.00	\$7.00	\$123,900.00
	37	BA 514	Reconnect Existing Service to New Sewer Line	Ea	262	\$1,700.00	\$445,400.00	\$1,950.00	\$510,900.00	\$850.00	\$222,700.00	\$2,200.00	\$576,400.00	\$2,400.00	\$628,800.00
	38	33 11 13.23	Point Repair of Existing 8" VCP Sanitary Sewer	Ea	14	\$4,000.00	\$56,000.00	\$5,000.00	\$70,000.00	\$500.00	\$7,000.00	\$2,000.00	\$28,000.00	\$7,500.00	\$105,000.00
	39	BA 310	Site Restoration Allowance (\$150,000)	LS	1	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$20,000.00	\$20,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
	40	NA	Aerial Crossing	Ln Ft	100	\$325.00	\$32,500.00	\$500.00	\$50,000.00	\$325.00	\$32,500.00	\$100.00	\$10,000.00	\$460.00	\$46,000.00
	41	BA 511A	Remove Existing Lamphole and Replace with 4' Dia. Manhole (0'-6' Depth)	Ea	13	\$13,200.00	\$171,600.00	\$8,450.00	\$109,850.00	\$6,400.00	\$83,200.00	\$6,000.00	\$78,000.00	\$8,500.00	\$110,500.00
	42	BA 511A	Remove and Replace Existing 4' Dia. Manhole (0'-6' Depth)	Ea	8	\$15,000.00	\$120,000.00	\$8,450.00	\$67,600.00	\$6,400.00	\$51,200.00	\$15,000.00	\$120,000.00	\$10,800.00	\$86,400.00
	43	BA 511A	Rehabilitate Existing Manhole Wall	Ea	4	\$5,000.00	\$20,000.00	\$4,850.00	\$19,400.00	\$1,835.00	\$7,340.00	\$5,000.00	\$20,000.00	\$10,750.00	\$43,000.00
	44	BA 511A	Additional Vertical Depth for Manhole	VF	20	\$600.00	\$12,000.00	\$1,500.00	\$30,000.00	\$430.00	\$8,600.00	\$250.00	\$5,000.00	\$420.00	\$8,400.00
	45	BA 511A	Remove Existing Manhole	Ea	1	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$650.00	\$650.00	\$1,000.00	\$1,000.00	\$5,500.00	\$5,500.00
	46	BA 511A	Remove and Replace Manhole Grade Rings, Rim, and Cover	Ea	14	\$3,000.00	\$42,000.00	\$2,650.00	\$37,100.00	\$2,500.00	\$35,000.00	\$2,000.00	\$28,000.00	\$3,000.00	\$42,000.00
	47	BA 511A	Remove and Replace Manhole Cone, Grade Rings, Rim, and Cover	Ea	11	\$3,500.00	\$38,500.00	\$4,200.00	\$46,200.00	\$5,400.00	\$59,400.00	\$2,000.00	\$22,000.00	\$13,600.00	\$149,600.00
	48	BA 511A	Remove and Replace Manhole Rim and Cover	Ea	3	\$2,500.00	\$7,500.00	\$1,850.00	\$5,550.00	\$2,150.00	\$6,450.00	\$1,500.00	\$4,500.00	\$4,500.00	\$13,500.00
	49	BA 511A	Rehabilitate Existing Manhole Walls and Cone	Ea	3	\$2,500.00	\$7,500.00	\$4,850.00	\$14,550.00	\$2,500.00	\$7,500.00	\$4,000.00	\$12,000.00	\$14,000.00	\$42,000.00
	50	BA 511A	Rehabilitate Existing Manhole Cone	Ea	3	\$2,500.00	\$7,500.00	\$1,500.00	\$4,500.00	\$975.00	\$2,925.00	\$2,000.00	\$6,000.00	\$7,800.00	\$23,400.00
	51	BA 511A	Convert External Drop Pipe Manhole to Internal Drop Pipe Manhole	Ea	6	\$2,000.00	\$12,000.00	\$6,500.00	\$39,000.00	\$3,750.00	\$22,500.00	\$3,000.00	\$18,000.00	\$5,100.00	\$30,600.00
	52	BA 316	Adjust Manhole Cover to Grade	Ea	9	\$2,000.00	\$18,000.00	\$1,500.00	\$13,500.00	\$1,945.00	\$17,505.00	\$500.00	\$4,500.00	\$1,000.00	\$9,000.00
	53	BA 310	Remove and Replace Concrete Drive and Sidewalk	Sq Yd	200	\$170.00	\$34,000.00	\$110.00	\$22,000.00	\$150.00	\$30,000.00	\$100.00	\$20,000.00	\$135.00	\$27,000.00
	54	NA	Silt Fencing	Ln Ft	4700	\$5.00	\$23,500.00	\$2.50	\$11,750.00	\$1.50	\$7,050.00	\$1.00	\$4,700.00	\$4.50	\$21,150.00
	55	NA	Construction Staking Level II	LS	1	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$75,000.00	\$75,000.00	\$15,000.00	\$15,000.00	\$63,000.00	\$63,000.00
	56	NA	Bypass Pumping	LS	1	\$60,000.00	\$60,000.00	\$145,000.00	\$145,000.00	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00	\$350,000.00	\$350,000.00
	57	NA	Trench Safety	Ln Ft	17700	\$2.00	\$35,400.00	\$5.00	\$88,500.00	\$1.00	\$17,700.00	\$1.00	\$17,700.00	\$8.00	\$141,600.00
	58	BA 301	Mobilization and Demobilization (10%)	LS	1	\$340,000.00	\$340,000.00	\$195,000.00	\$195,000.00	\$65,000.00	\$65,000.00	\$200,000.00	\$200,000.00	\$500,000.00	\$500,000.00
Waterline Total:							\$4,467,268.00		\$3,117,330.00		\$3,804,675.00		\$3,215,300.00		\$5,118,275.00
Sanitary Sewer Total:							\$4,118,000.00		\$3,743,400.00		\$4,567,220.00				