

**SPRING HILL AT FOREST RIDGE
KENOSHA WEST OF OAK GROVE ROAD
INFRASTRUCTURE INVENTORY
BROKEN ARROW, OKLAHOMA**

Prepared By: sjb

Date: 8/31/17

Description	Units	Quantity	Unit Price	Extension
SANITARY SEWER				
ROW Clearing and Restoring	LF	7,373	\$1.00	\$7,373.00
Common Excavating	CY	5,759	\$2.25	\$12,957.75
Common Backfill/Compaction	CY	5,603	\$2.50	\$14,007.50
Select Backfill/Compaction	CY	156.00	\$42.00	\$6,552.00
Pipe, 10" SDR-35	LF	1,778.00	\$22.00	\$39,116.00
Pipe 8" SDR 35	LF	5,595.00	\$19.00	\$106,305.00
Manhole in Place	EA	39.00	\$1,600.00	\$62,400.00
4' ID Single Drop Manhole	EA	11.00	\$1,850.00	\$20,350.00
4' ID Double Drop Manhole	EA	1.00	\$1,950.00	\$1,950.00
4' ID Additional Depth Manhole	VF	170.00	\$135.00	\$22,950.00
Lamphole	EA	5.00	\$295.00	\$1,475.00
10x10x4 Inch Tee with Riser	EA	21.00	\$265.00	\$5,565.00
8x8x4 Tee with Riser	EA	81.00	\$165.00	\$13,365.00
Standard Connection	EA	1.00	\$1,000.00	\$1,000.00
Total Cost of Sanitary Sewer Improvements =				\$315,366.25

STORM SEWER

ROW Clearing	LF	4,914	\$1.00	\$4,914.00
Excavation & Backfill	CY	5,074	\$12.00	\$60,888.00
15" CPP HDPE	LF	611	\$21.00	\$12,831.00
18" CPP HDPE	LF	1,312.00	\$26.00	\$34,112.00
24" CPP HDPE	LF	1,014.00	\$34.00	\$34,476.00
30" CPP HDPE	LF	151.00	\$46.00	\$6,946.00
36" CPP HDPE	LF	889.00	\$52.00	\$46,228.00
48" CPP HDPE	LF	837.00	\$72.00	\$60,264.00
Double 10x5 RCB	LF	100.00	\$1,300.00	\$130,000.00
Concrete Trickle Channel	LF	282.00	\$74.00	\$20,868.00
4' ID Manhole	EA	14.00	\$1,600.00	\$22,400.00
5' ID Manhole	EA	4.00	\$2,500.00	\$10,000.00
6' ID Manhole	EA	1.00	\$3,100.00	\$3,100.00
8' ID Manhole	EA	15.00	\$4,700.00	\$70,500.00
Additional Depth 4'	VF	13	\$105.00	\$1,365.00
Additional Depth 8'	VF	34	\$450.00	\$15,300.00
5x5 3 way Drop Inlet	EA	4	\$4,100.00	\$16,400.00
SMD Outflow Structure	EA	3.00	\$3,600.00	\$10,800.00
Sloewall for 24" Pipe	EA	1.00	\$4,200.00	\$4,200.00
Sloewall for 30" Pipe	EA	1.00	\$5,400.00	\$5,400.00
Sloewall for 36" Pipe	EA	4.00	\$5,800.00	\$23,200.00
Sloewall for 48" Pipe	EA	1.00	\$6,200.00	\$6,200.00
End Treatment Conc Box Culv	EA	2.00	\$15,000.00	\$30,000.00
12" Caliper Rip-Rap 18" Thick	SY	208.00	\$62.00	\$12,896.00
18" CPP Through Wing Wall	EA	1.00	\$500.00	\$500.00

30" CPP Pipe to 5x5 Drop	EA	1.00	\$1,000.00	\$1,000.00
Emergency Spillway East	EA	1.00	\$4,800.00	\$4,800.00
Emergency Spillway South Pond	EA	1.00	\$4,800.00	\$4,800.00
Emergency Spillway NW Pond	EA	1.00	\$4,800.00	\$4,800.00
Total Cost of Storm Sewer Improvements =				\$659,188.00

WATER

ROW Clearing and Restoring	LF	7,011	\$1.00	\$7,011.00
Common Excavation	CY	2,509	\$1.50	\$3,763.50
Common Backfill / Compaction	CY	2,368	\$2.50	\$5,920.00
Select Backfill/Comp. Under Pave	CY	141.00	\$42.00	\$5,922.00
Bored Street Crossing	LF	100.00	\$265.00	\$26,500.00
8" SDR	LF	2,310.00	\$23.00	\$53,130.00
6" SDR	LF	3,340.00	\$18.00	\$60,120.00
4" SDR	LF	1,226.00	\$15.00	\$18,390.00
8" DIP	LF	135.00	\$53.00	\$7,155.00
8" 45 Degree Bends	EA	3.00	\$225.00	\$675.00
9" 90 Degree Bends	EA	2.00	\$225.00	\$450.00
8" 45 Degree Vertical bend	EA	4.00	\$225.00	\$900.00
8" 22.5 Degree Bend	EA	3.00	\$225.00	\$675.00
6" 45 Degree Bend	EA	5.00	\$170.00	\$850.00
4" 45 Degree Bend	EA	16	\$135.00	\$2,160.00
4" 22.5 Degree Bend	EA	8	\$135.00	\$1,080.00
8x8 Tee	EA	1	\$345.00	\$345.00
8x6 Tee	EA	3.00	\$290.00	\$870.00
8x4 Tee	EA	2.00	\$275.00	\$550.00
6x6 Tee	EA	4.00	\$255.00	\$1,020.00
6x4 Tee	EA	3.00	\$225.00	\$675.00
6x4 Reducer	EA	1.00	\$95.00	\$95.00
8" Solid Sleeve	EA	3.00	\$260.00	\$780.00
8" Plug	EA	1.00	\$105.00	\$105.00
8x8 Tapping Sleeve	EA	1.00	\$4,500.00	\$4,500.00
3/4" Single Water Service	EA	5	\$685.00	\$3,425.00
1" Dual Long Water Service	EA	9	\$825.00	\$7,425.00
8" Gate Valve	EA	6	\$1,225.00	\$7,350.00
6" Gate Valve	EA	11.00	\$750.00	\$8,250.00
4" Gate Valve	EA	5.00	\$610.00	\$3,050.00
Air Relief on 4" Line	EA	1.00	\$3,200.00	\$3,200.00
3 way Fire Hydrant w/8x6 Tee	EA	3.00	\$3,800.00	\$11,400.00
3 Way Fire Hydrant w/6x6 Tee	EA	9.00	\$3,900.00	\$35,100.00
6" Fire Hydrant Extension	EA	2.00	\$385.00	\$770.00
12" Fire Hydrant Extension	EA	4.00	\$425.00	\$1,700.00
18" Fire Hydrant Extension	EA	4.00	\$475.00	\$1,900.00
24" Fire Hydrant Extension	EA	1.00	\$560.00	\$560.00
Valve Boxes Type 1	EA	7.00	\$95.00	\$665.00
Valve Boxes Type 2	EA	14.00	\$95.00	\$1,330.00
Valve Box Extension	EA	1.00	\$65.00	\$65.00
Sample Points	EA	6	\$250.00	\$1,500.00
Total Cost of Water Improvements =				\$291,331.50

PAVING, INLETS, SUBGRADE

6" Concrete Barrier Curb & Gutter	LF	11,508	\$12.90	\$148,453.20
7 1/2" Asphalt Paving	SY	17,114	\$25.10	\$429,561.40
8" Modified Subgrade	SY	22,868	\$7.50	\$171,510.00
Full Depth Saw Cut	LF	218.00	\$10.00	\$2,180.00

Roadway Barricades	EA	1.00	\$300.00	\$300.00
Toewall	LF	26.00	\$25.00	\$650.00
4' Wide Sidewalk	LF	2,243.00	\$14.20	\$31,850.60
Handicap Ramps	EA	2.00	\$860.00	\$1,720.00
4x2 Recessed Curb Inlet	EA	2.00	\$2,200.00	\$4,400.00
6x2 Recessed Inlet	EA	7.00	\$2,485.00	\$17,395.00
6x3 Recessed Inlet	EA	6.00	\$3,120.00	\$18,720.00
6x4 Recessed Inlet	EA	2.00	\$3,520.00	\$7,040.00
8x2 Recessed Inlet	EA	2.00	\$2,640.00	\$5,280.00
8x3 Recessed Inlet	EA	3.00	\$3,300.00	\$9,900.00
Total Cost of Paving Improvements =				\$848,960.20

Total Cost of Constructed Improvements = \$2,114,845.95

