

**FED EX**  
**1214 EAST HOUSTON STREET**  
**INFRASTRUCTURE INVENTORY**  
**BROKEN ARROW, OKLAHOMA**

Prepared By: sjb  
Date: 8/29/16

Description	Units	Quantity	Unit Price	Extension
<b>SANITARY SEWER-Paragon</b>				
8" SDR 35 PVC	LF	265.00	\$67.50	\$17,887.50
4' ID Manhole	EA	1.00	\$1,900.00	\$1,900.00
4' ID Manhole Additional Depth	VF	2.00	\$160.00	\$320.00
18" Augur Bore	LF	60.00	\$240.00	\$14,400.00
18" Steel Casing	LF	60.00	\$73.00	\$4,380.00
Connection to Existing	EA	1.00	\$1,012.50	\$1,012.50

**Total Cost of Sanitary Sewer Improvements = \$39,900.00**

<b>STORM WATER-Paragon</b>				
15" HDPE Pipe	LF	44.00	\$44.02	\$1,936.88
18" HDPE Pipe	LF	44.00	\$54.11	\$2,380.84
24" HDPE Pipe	LF	207.00	\$79.13	\$16,379.91
36" HDPE Pipe	LF	491.00	\$96.61	\$47,435.51
42" HDPE Pipe	LF	346.00	\$102.83	\$35,579.18
48" HDPE Pipe	LF	174.00	\$112.63	\$19,597.62
8x2 RCB	LF	258.00	\$401.16	\$103,499.28
5' ID Manhole	EA	2.00	\$2,929.77	\$5,859.54
4'x10' Recessed Inlet	EA	1.00	\$8,512.69	\$8,512.69
4'x6' Recessed Inlet	EA	1.00	\$4,863.93	\$4,863.93
4'x6' Junction Box	EA	1.00	\$4,096.44	\$4,096.44
5'x5' Grated area Inlet	EA	1.00	\$5,561.72	\$5,561.72
8x2 Headwalls	EA	4.00	\$6,731.73	\$26,926.92
15" PCES	EA	2.00	\$820.00	\$1,640.00
18" PCES	EA	2.00	\$859.72	\$1,719.44
24" PCES	EA	2.00	\$959.50	\$1,919.00
Concrete Ditch Liner	LF	910.00	\$25.00	\$22,750.00
36" PCES	EA	2.00	\$1,553.05	\$3,106.10

**Total Cost of Storm Sewer Improvements = \$313,765.00**

**WATER-Paragon**

8" PVC DR 18	LF	3272	35.25	\$115,338.00
6" PVC DR 18	LF	300	39.50	\$11,850.00
8"x6" Tee	EA	10	355.00	\$3,550.00
8" Tee	EA	2	400.00	\$800.00
12"x8" Tapping Sleeve	EA	1	3,811.00	\$3,811.00
8" 90 Degree Bend	EA	3	306.00	\$918.00
8" 45 Degree Bend	EA	2	288.00	\$576.00
8"x6" Reducer	EA	1	217.00	\$217.00
6" Solid Sleeve	EA	1	210.00	\$210.00
6" Gate Valve w/valve Box	EA	11	780.00	\$8,580.00
8" Gate Valve w/Valve Box	EA	5	1,170.00	\$5,850.00
Fire Hydrant	EA	10	2,600.00	\$26,000.00

Aire relief valve	EA	2	3,450.00	\$6,900.00
<b>Total Cost of Water Improvements =</b>				<b>\$184,600.00</b>

#### **EARTHWORK-Paragon**

Strip Topsoil	CY	95.00	\$2.60	\$247.00
Excavation Embankment	CY	355.00	\$3.95	\$1,402.25
Soil Stabilization	SY	850.00	\$6.40	\$5,440.00
Type A Agg Base	CY	235.00	\$35.79	\$8,410.65
<b>Total Cost of Earthwork Improvements =</b>				<b>\$15,499.90</b>

#### **SANITARY FORCE MAIN AND LIFT STATION-Jim Cooper Construction**

Mobilization	LS	1.00	\$2,500.00	\$2,500.00
10" Steel Casing for Sleeve	LF	100.00	\$35.00	\$3,500.00
Boring of 10" Steel Sleeve	LF	100.00	\$40.00	\$4,000.00
4" HDPE Force Main	LF	100.00	\$2.50	\$250.00
Site Excavation	SF	3,000.00	\$0.50	\$1,500.00
Hydroseeding	SF	3,000.00	\$0.07	\$210.00
<b>Total Cost of Force Main Improvements =</b>				<b>\$11,960.00</b>

#### **SIDEWALK AND ENTRANCES-Jim Cooper Construction**

Mobilization	LS	1.00	\$5,000.00	\$5,000.00
8'x2' Box Culvert	LF	258.00	\$325.00	\$83,850.00
8'x2' Culvert with Wings	EA	4.00	\$1,250.00	\$5,000.00
Stone Base for Entry Aprons	TN	190.00	\$25.00	\$4,750.00
Concrete Install @ Entry Aprons	SF	6,025.00	\$4.76	\$28,679.00
Site Grading	SF	55,504.00	\$0.15	\$8,325.60
Hydroseeding	SF	49,479.00	\$0.07	\$3,463.53
8'x2' Box Culvert-Sidewalk	LF	10.00	\$325.00	\$3,250.00
8'x2' Culvert w/Wings-Sidewalk	EA	2.00	\$1,250.00	\$2,500.00
Stone Base and Concrete	SF	6,625.00	\$5.00	\$33,125.00
<b>Total Cost of Sidewalk Improvements =</b>				<b>\$189,903.13</b>

**Total Cost of Constructed Improvements = \$755,628.03**