COUNTY	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SEDGWICK	KANSAS	87 N-0237-01	2006	40	78

COMBINED CURB & GUTTER (AE)

STA. TO STA.		SIDE	TYPE I (LIN. FT.)	MEDIAN, TYPE I (LIN. FT.)	REMARKS
09+72.29	21+77.69	RT.	1249.11		
10+00.00	15+72.46	LT.	587.89		
16+02.48	27+55.21	LT.	1192.88		
16+43.10	21+39.25	LT.		505.21	INCL. NOSE OF MEDIAN
16+43.10	18+00.00	RT.		505.96	INCL. NOSE OF MEDIAN
22+04.04	35+13.94	RT.	1371.21		
22+97.52	25+47.10	LT.		255.72	INCL. NOSE OF MEDIAN
22+97.64	25+47.10	RT.		255.72	INCL. NOSE OF MEDIAN
27+86.43	31+35.18	LT.	395.63		
31+16.51	35+15.28	LT.	394.44		
35+45.01	36+59.62	RT.	131.77		
35+46.53	36+59.62	LT.	137.90		
36+45.90	37+63.93	LT.		110.30	
36+45.90	37+63.93	RT.		131.82	INCL. NOSE OF MEDIAN
TOTALS:			5461	1765	

SLOPE PROTECTION (RIP RAP)

STA.	SIDE	SLOPE PROTECTION (RIP RAP) (SQ. YDS.)	REMARKS
10+66.51	RT.	21	

8" RETAINING WALL

STA. TO STA.		SIDE	MODULAR RETAINING WALL (LF)	REMARKS
26+50.00	29+00.00	RT.	250.00	

FLOWABLE FILL

STA. TO STA.	FLOWABLE FILL (LF)	REMARKS
10+64.18, LT. TO 10+64.19, RT.	60.00	
31+34.09, LT. TO 31+68.44, LT.	30.36	
31+99.57, LT. TO 31+99.63, RT.	53.67	
31+99.63, RT. TO 34+80.73, RT.	276.10	
35+60.15, RT. TO 35+60.15, RT.	90.45	

PERMANENT SIGNAGE QUANTITIES

STA.	SIDE	SIGN	REMARKS
15+69	LT.	R1-1	
16+24	LT.	SNS	
16+80	LT.	R2-1 (35)	
16+92	RT.	R2-1 (35)	
20+38	RT.	W1-8	
21+16	RT.	W1-8	
21+45	RT.	W1-8	
22+12	RT.	R1-1	
22+46	RT.	W1-8	
24+41	RT.	R2-1 (35)	
27+51	LT.	R1-1	
27+94	LT.	SNS	
28+27	LT.	R2-1 (35)	
31+22	LT.	SNS	
31+30	LT.	R1-1	
31+30	LT.	R6-1L	
31+76	LT.	R6-1R	
34+50	RT.	R2-1 (35)	
34+77	LT.	R2-1 (35)	
35+01	LT.	SNS	
35+05	LT.	R6-1R	
35+50	RT.	R1-1	
35+54	LT.	R6-1L	
36+50	RT.	R4-7	

TREES, LARGE REMOVED

STA.	SIDE	OFFSET	REMARKS
11+51.47	RT.	22.00'	
12+97.55	RT.	21.64'	
14+29.04	RT.	32.42'	
15+51.61	LT.	38.14'	
18+08.34	RT.	21.50'	
18+08.84	RT.	20.33'	
18+10.13	RT.	20.91'	
18+50.90	RT.	21.05'	
29+63.07	RT.	37.98'	
31+15.93	LT.	49.63'	
31+79.15	LT.	44.12'	
32+65.36	RT.	51.46'	

WATER VALVE ADJUSTMENTS

STA.	SIDE	OFFSET	CITY OF WICHITA WATER DEPARTMENT VALVE NUMBER	REMARKS (ELEV. ADJUST.)
15+77.46	LT.	48.42'	5766	NO ADJUSTMENT
15+82.25	LT.	54.27'	5761	FROM 98.89 TO 98.18
15+86.64	LT.	40.94'	37170	FROM 99.25 TO 97.95
16+34.93	LT.	36.27'	5952	TO 98.39
18+36.76	LT.	40.26'	16995	FROM 98.95 TO 97.93
20+74.65	LT.	43.11'	16994	NO ADJUSTMENT
26+44.75	LT.	24.44'	33236	FROM 98.85 TO 99.87
26+50.00	LT.	23.87'	NONE	FROM 98.60 TO 99.82
27+50.46	LT.	30.39'	5764	NO ADJUSTMENT
28+01.46	LT.	28.43'	6115	FROM 97.30 TO 96.86
28+53.94	LT.	25.94'	38154	TO 96.75
31+19.89	LT.	27.74'	5737	NO ADJUSTMENT
31+26.44	LT.	40.02'	4905	NO ADJUSTMENT
31+30.40	LT.	27.39'	4424	FROM 95.78 TO 95.83
32+07.74	LT.	26.50'	900	TO 95.69
35+00.64	LT.	49.77'	4432	NO ADJUSTMENT
35+09.58	LT.	29.42'	4430	FROM 95.35 TO 95.54

SIDEWALK CONSTRUCTION (4") (AE)

STA. TO STA.		SIDE	WIDTH (FT.)	4" (SQ. FT.)	REMARKS
09+75.78	13+50.00	RT.	10.00	3782.96	
09+79.29	10+32.53	LT.	5.00	302.77	
10+44.84	10+80.54	LT.	5.00	174.17	
11+11.48	11+50.41	LT.	5.00	195.74	
11+82.74	12+39.49	LT.	5.00	259.50	
12+57.10	13+19.72	LT.	5.00	311.52	
13+31.71	13+50.00	LT.	5.00	88.43	
13+50.00	13+67.66	LT.	5.00	86.18	
13+50.00	18+00.00	RT.	10.00	4569.97	
13+79.84	13+90.70	LT.	5.00	52.35	
14+02.93	15+58.11	LT.	5.00	755.81	
16+26.43	16+71.68	LT.	4.00	217.61	
18+00.00	21+65.63	RT.	10.00	3772.71	
22+15.12	22+26.60	RT.	6.00	77.56	
22+26.79	26+50.00	RT.	6.00	2597.93	
26+50.00	31+04.92	RT.	6.00	2742.10	
28+05.80	28+70.47	LT.	5.00	323.16	
29+00.46	29+69.82	LT.	5.00	346.81	
30+04.83	30+20.92	LT.	5.00	77.33	
30+52.29	31+04.84	LT.	5.00	263.55	
31+04.92	31+15.33	LT.	5.00	52.08	
31+04.95	35+04.78	RT.	6.00	2462.35	
31+86.19	32+53.73	LT.	5.00	337.68	
32+83.73	33+00.34	LT.	5.00	583.09	
34+35.34	34+95.58	LT.	5.00	301.17	
35+61.82	36+00.00	LT.	5.00	191.00	
35+75.03	36+00.00	RT.	5.00	124.94	
36+00.00	36+22.62	LT.	5.00	113.12	
36+00.00	37+50.00	RT.	5.00	749.89	
TOTALS:				25913.48	

CONCRETE PAVEMENT (8" UNIF.) (AE) (REINF.) DRIVEWAY CONSTRUCTION

STA.	SIDE	WIDTH (FT.)	4" (SQ. YD.)	REMARKS
10+38.56	LT.	12.00	25.36	
10+96.08	LT.	30.00	50.51	
11+67.57	LT.	34.71	69.65	
12+80.72	LT.	17.16	31.05	
13+25.71	LT.	11.68	25.84	
13+73.74	LT.	11.61	34.81	
13+96.77	LT.	12.01	30.35	
29+87.08	LT.	35.00	48.32	
30+35.39	LT.	32.00	43.70	
32+68.70	LT.	30.00	30.00	
34+17.98	LT.	35.00	35.00	
36+41.12	LT.	37.00	42.57	

ADJUSTMENT OF MANHOLES

STA.	SIDE	OFFSET FROM CL IMPROVEMENTS	ELEVATIONS FROM	ELEVATIONS TO	REMARKS
10+89.18	RT.	10.78'	99.87'	99.61'	SANITARY SEWER, W/O NEW RING & COVER, IN PVM'T.
15+95.57	LT.	31.91'	99.30'	97.53'	SANITARY SEWER, W/ NEW RING & COVER, IN PVM'T.
22+34.14	RT.	38.92'	98.68'	98.97'	SANITARY SEWER, W/ NEW RING & COVER
29+35.09	RT.	29.37'	98.08'	96.41'	SANITARY SEWER, W/ NEW RING & COVER, IN PVM'T.
29+48.91	RT.	12.43'	96.33'	96.65'	SANITARY SEWER, W/O NEW RING & COVER, IN PVM'T.
29+57.88	RT.	12.14'	96.41'	96.63'	SANITARY SEWER, W/O NEW RING & COVER, IN PVM'T.
33+47.09	RT.	12.51'	95.81'	96.38'	SANITARY SEWER, W/ NEW RING & COVER, IN PVM'T.
35+60.16	RT.	38.61'	95.23'	95.12'	STORM SEWER, W/ NEW RING & COVER, IN PVM'T.
35+65.60	LT.	33.62'	96.33'	96.62'	STORM SEWER, W/ NEW RING & COVER, IN PVM'T.

RECAPITULATION OF ROAD QUANTITIES

NOTE	ITEM	DESCRIPTION	QUANTITY	UNIT
	1.	MOBILIZATION	1	LS
	2.	MOBILIZATION (DBE)	1	LS
	3.	FIELD OFFICE (TYPE A)	1	LS
Ⓐ	4.	PAVEMENT REMOVAL	14,958	SY
	5.	CONCRETE AND/OR ASPH. SIDEWALK OR DRIVE REMOVED	2164	SY
	6.	TREES, LARGE REMOVED	12	EA
	7.	REMOVE OR ABANDON EXIST. INLETS, MH, AND PIPE	1	LS
	8.	REMOVE EXIST. RETAINING WALL	160	LF
Ⓑ	9.	AC TEMP PAVEMENT 5" (3" BIT. BASE)	626	SY
	10.	CONCRETE PAVEMENT (8") (REINFORCED)	16,859	SY
	11.	8" CONCRETE DRIVEWAY PAVEMENT	469	SY
	12.	REINFORCED CRUSHED ROCK BASE (6")	19,820	SY
	13.	COMB. CURB & GUTTER (TYPE I)	5,461	LF
	14.	MEDIAN CURB & GUTTER (TYPE I)	1,765	LF
	15.	SIDEWALK CONCRETE, 4"	25,913	SF
Ⓒ	16.	2 3/8" BRICK PAVERS, W/ 1" SAND	557	SY
	17.	WHEELCHAIR RAMP CONSTRUCTION	12	EA
	18.	RETAINING WALL, 8"	250	LF
	19.	INLET HOOKUP	19	EA
Ⓓ	20.	COMMON EXCAVATION	11,758	CY
Ⓔ	21.	COMPACTED FILL (90% DENSITY)	759	CY
Ⓕ	22.	STREET SIGNAGE	1	LS
	23.	SWS PIPE 15"	303	LF
	24.	SWS PIPE 18"	43	LF
	25.	SWS PIPE 24"	352	LF
	26.	SWS PIPE HERCP 30"x19"	447	LF
	27.	RIP RAP, HEAVY STONE	21	LF
	28.	FLOWABLE FILL	511	LF
	29.	HEADWALL RC (15")	1	EA
	30.	INLET, CURB 1 (L = 6'-4" W = 4'-4")	10	EA
	31.	INLET, CURB 1 (L = 6'-4" W = 6'-4")	2	EA
	32.	INLET, CURB 1A (L = 10' W = 4')	2	EA
	33.	INLET, CURB 2 (L = 6'-2 1/2", W = 3'-4 3/8")	3	EA
	34.	INLET, CURB 2 SPECIAL	2	EA
	35.	MH, STD. TYPE "P" (4' DIA.)	1	EA
	36.	MH, SHALLOW TYPE "P" (4' DIA.)	1	EA
	37.	WATER VALVE ADJUSTMENT	9	EA
	38.	MH ADJ. W/ NEW RING & COVER	5	EA
	39.	MH ADJ. W/O NEW RING & COVER	3	EA
	40.	REMOVABLE CURB 4"	1	LS
	41.	SITE CLEARING & RESTORATION	1	LS
	42.	PAVEMENT MARKING	1	LS
	43.	TRAFFIC CONTROL	1	LS
Ⓖ	44.	PROJECT SODDING	1	LS
	45.	EROSION CONTROL BMP'S	1	LS

KDOT NON-PARTICIPATING ITEMS

ITEM	DESCRIPTION	QUANTITY	UNIT
46.	WATER VALVE ADJUSTMENT	2	EA
47.	MH ADJ. W/ NEW RING & COVER	1	EA
48.	2" PVC CONDUIT	1,212	LF
49.	IRRIGATION SPRINKLER REM. & REPLACED	1	LS
50.	REMOVE & RESET PARK ENTRANCE SIGN	1	EA
51.	REMOVE & REPLACE REINF. CONC. DISC GOLF TEE	47	SF
52.	TRANSPORTING OF SALVAGED MATERIAL	1	LS
53.	STREET NAME SIGNS	4	EA

Ⓐ THE BID ITEM "PAVEMENT REMOVAL" SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY FOR REMOVAL OF EXISTING PAVEMENT, MONOLITHIC, OR COMBINED CURB & GUTTER. PAVED MEDIANS THAT ARE TO BE REMOVED DUE TO A CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL ALSO BE INCLUDED IN THIS ITEM.

Ⓑ THE BID ITEM "AC TEMP. PAVEMENT 5" (3" BIT BASE)" SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO CONSTRUCT AND REMOVE PAVEMENT.

Ⓒ THE BID ITEM "2 3/8" BRICK PAVERS, W/ 1" SAND" SHALL ONLY INCLUDE MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO CONSTRUCT BRICK PAVERS AND 1" SAND CUSHION AS INDICATED ON THE PLANS. ALL EARTHWORK, SUBGRADE AND PAVEMENT BELOW THE BRICK PAVERS IS INCLUDED IN OTHER BID ITEMS.

Ⓓ BID QUANTITY IS IN BANK CUBIC YARDS.

Ⓔ BID QUANTITY IS IN COMPACTED CUBIC YARDS.

Ⓕ STREET NAME SIGNS ARE A NON-PARTICIPATING BID ITEM, AND WILL BE PAID FOR UNDER ITEM NO. 53.

Ⓖ ESTIMATED AREA TO BE SODDED = 5836 SY. SEE GENERAL NOTE NO. 9, SHEET 2, FOR SODDING REQUIREMENTS.

RECAPITULATION OF STORM SEWER INLETS AND MANHOLES

STA.	SIDE	TYPE	DIMENSIONS LENGTH	DIMENSIONS WIDTH	TOP ELEVATIONS	INFLOW PIPES SIZE	FL	SIZE	FL	SIZE	FL	OUTFLOW PIPES SIZE	FL	GRADE	REMARKS
10+64.18	31.50' LT.	TYPE 1 INLET	6'-4"	4'-4"	99.37							15"	94.63	2.00%	
10+64.19	31.50' RT.	TYPE 1 INLET	6'-4"	4'-4"	99.20	15"	93.43					15"	91.43	2.00%	
19+14.72	33.07' LT.	TYPE 1A INLET	10'-0"	4'-0"	96.83	18"	91.19					18"	91.09	2.44%	
19+18.55	6.61' RT.	TYPE 'P' MANHOLE (4' ID)	4' DIA		96.80	18"	90.12					18"	90.10	.60%	EXISTING 18" INFLOW PIPE AND 18" OUTFLOW PIPE
19+20.20	33.07' RT.	TYPE 1A INLET	10'-0"	4'-0"	96.83	18"	89.92					18"	89.90	.67%	EXISTING 18" INFLOW PIPE AND 18" OUTFLOW PIPE
27+42.94	64.70' LT.	SHALLOW TYPE 'P' MANHOLE (4' ID)			98.30	12"	94.60					15"	94.27	.38%	EXISTING 12" INFLOW PIPE
27+54.17	63.75' LT.	TYPE 1 INLET	6'-4"	4'-4"	96.78	15"	94.24					15"	94.14	.38%	
27+87.35	63.31' LT.	TYPE 1 INLET	6'-4"	4'-4"	96.78	15"	94.03					18"	93.93	.30%	
28+19.15	31.50' LT.	TYPE 1 INLET	6'-4"	4'-4"	97.28	18"	93.80					24"	93.70	.20%	
31+02.22	31.50' LT.	TYPE 1 INLET	6'-4"	4'-4"	96.36	24"	93.14					24"	93.04	.20%	
31+34.09	64.11' LT.	TYPE 1 INLET	6'-4"	4'-4"	96.39	24"	92.95					24"	92.85	.20%	
31+68.44	63.18' LT.	TYPE 1 INLET	6'-4"	6'-4"	96.45	24"	92.88					30"X19"	92.78	.20%	
31+99.57	29.68' LT.	TYPE 2 INLET	6'-2 1/2"	3'-4 3/8"	96.06	30"X19"	92.69					30"X19"	92.59	.20%	
31+99.63	27.83' RT.	TYPE 2 SPECIAL INLET	6'-4"	7'-0"	96.06	24"	92.48					30"X19"	92.38	.20%	
34+80.73	27.90' RT.	TYPE 2 SPECIAL INLET	6'-4"	7'-0"	95.94	30"X19"	91.75					30"X19"	91.70	.20%	
34+82.42	31.50' LT.	TYPE 1 INLET	6'-4"	4'-4"	95.95							15"	93.38	.38%	
35+14.26	62.98' LT.	TYPE 1 INLET	6'-4"	4'-4"	95.58							15"	93.35	.38%	
35+47.45	62.58' LT.	TYPE 1 INLET	6'-4"	4'-4"	95.58	15"	93.24					15"	93.19	.38%	
35+60.15	38.61' RT.	EXIST. MANHOLE			95.12	15"	91.90	12"	91.57	30"x19"	91.55	24"	91.45	.20%	EXISTING 12" INFLOW PIPE AND 24" OUTFLOW PIPE
35+65.60	33.62' LT.	EXIST. MANHOLE			96.62	15"	93.08	15"	93.08			12" 15"	93.08 92.98	2.08% .17%	EXISTING 12" AND 15" OUTFLOW PIPES
35+74.75	32.50' LT.	TYPE 1 INLET	6'-4"	6'-4"	96.21	15"	92.97					15"	92.97	.17%	EXISTING 15" INFLOW PIPE AND 15" OUTFLOW PIPE
35+78.10	44.46' RT.	TYPE 2 INLET	6'-2 1/2"	3'-4 3/8"	95.51	15"	92.10					15"	92.00	1.00%	
35+89.31	44.45' RT.	TYPE 2 INLET	6'-2 1/2"	3'-4 3/8"	95.55							15"	92.17	1.00%	

YOUNG & ASSOCIATES, P.A.
Civil and Environmental Engineers
100 S. Georgie, Derby, KS 67037
Tele: (316)788-2552
Fax: (316)788-4408

COPYRIGHT 2002, BY YOUNG & ASSOCIATES, P.A. ALL RIGHTS RESERVED. PREPARED IN THE UNITED STATES OF AMERICA. THIS DOCUMENT, OR PARTS THEREOF, OR DESIGN CONCEPTS CONTAINED HEREIN, ARE DEEMED CONFIDENTIAL AND PROPRIETARY INFORMATION OF YOUNG & ASSOCIATES, P.A. AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT THE SPECIFIC WRITTEN PERMISSION OF YOUNG & ASSOCIATES, P.A. THIS PLAN AND DESIGN IS THE EXCLUSIVE PROPERTY OF YOUNG & ASSOCIATES, P.A. THE DELIVERY OF THE ORIGINAL OR COPIES THEREOF DOES NOT CONSTITUTE PUBLICATION THEREOF.

SUMMARY OF QUANTITIES

Paving & Storm Sewer Improvements
City of Wichita
Sedgwick County, Kansas

scale: as noted
drawn by: das
checked by: cry
date: Mar. 2006
P/N: 04-179
revisions: