CONTRACT NO. 83975

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00046-00-WR	KANE	60	5
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN / PROFILE — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / GRADES CHECKED / SEAL NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / FILE NAME / BY / DATE

MANHOLE TO BE ADJUSTED

LOCATION			QUANTITY
93+09	20	LT	1
93+09	25	RT	1
95+08	20	LT	1
93+75	27	LT	1
95+03	26	LT	1
97+80	23	LT	1
99+56	24	LT	1
101+60	27	LT	1
97+93	29	LT	1
98+05	36	LT	1
102+77	32	RT	1
106+44	35	RT	1
110+06	34	RT	1
111+58	35	RT	1
122+37	34	LT	1
130+42	27	LT	1
130+52	39	LT	1
131+13	9	LT	1
135+37	24	LT	1
135+44	27	LT	1
135+52	52	RT	1
135+02	34	RT	1
135+11	54	RT	1
136+45	3	RT	1
136+45	23	LT	1
136+59	28	LT	1
138+68	2	RT	1
135+21	31	RT	1
140+67	28	LT	1
140+88	4	RT	1
141+14	19	RT	1
141+44	22	RT	1

TOTAL 32 EACH

VALVE VAULT TO BE ADJUSTED

LOCATION			QUANTITY
93+36	19	LT	1
95+26	16	LT	1
98+20	16	LT	1
97+30	34	RT	1
102+45	33	RT	1
122+80	24	LT	1
122+75	36	RT	1
123+23	29	LT	1
135+00	26	LT	1
135+05	27	LT	1
135+06	40	RT	1
137+66	32	LT	1
136+57	37	RT	1
140+35	26	LT	1
140+64	24	LT	1
140+78	29	LT	1
140+66	4	LT	1

TOTAL 17 EACH

REMOVING INLETS

LOCATION			QUANTITY
92+82	25	RT	1
111+65	52	LT	1
111+99	52	LT	1

TOTAL 3 EACH

REMOVING CATCH BASINS

LOCATION			QUANTITY
123+02	27	RT	1

TOTAL 1 EACH

REMOVING MANHOLES

LOCATION			QUANTITY
138+58	25	RT	1

TOTAL 1 EACH

FIRE HYDRANTS TO BE MOVED

LOCATION			QUANTITY
95+63	18	LT	1
101+43	28	RT	1
116+80	31	RT	1
125+08	25	LT	1
126+47	35	RT	1
128+16	30	LT	1
133+39	33	LT	1
131+22	32	RT	1
140+29	31	LT	1

TOTAL 9 EACH

VALVE BOX TO BE ADJUSTED

LOCATION			QUANTITY
121+53	24	LT	1
137+02	26	RT	1
137+71	27	RT	1
138+48	29	RT	1
139+22	31	RT	1
139+08	33	LT	1

TOTAL 6 EACH

ADJUSTING WATER SERVICE LINES

LOCATION			QUANTITY
137+02		RT	20
139+22		RT	20

TOTAL 40 LF

PIPE CULVERT REMOVAL 12"

LOCATION			LENGTH (FT)
121+11	21	LT	88
125+01	25	RT	29
125+79	26	RT	29
127+19	27	RT	30
127+61	28	RT	20
128+96	29	RT	156
131+07	31	RT	165
132+09	30	RT	16
132+88	29	RT	20
133+54	29	RT	20
138+78	22	LT	25
139+00	28	RT	25

TOTAL 623

PIPE CULVERT REMOVAL 15"

LOCATION			LENGTH (FT)
111+74	34	RT	58
132+88	30	RT	20

TOTAL 78

STORM SEWER REMOVAL 6"

LOCATION			LENGTH (FT)
92+82	30	RT	8

TOTAL 8

STORM SEWER REMOVAL 12"

LOCATION			LENGTH (FT)
110+11	0	LT/RT	56

TOTAL 56

STORM SEWER REMOVAL 15"

LOCATION			LENGTH (FT)
111+42	37	LT	55
111+82	52	LT	32
112+28	39	LT	65

TOTAL 152

TREE REMOVAL (6 TO 15 UNIT DIA)

LOCATION			UNIT DIA
136+25	140	RT	6
136+25	150	RT	8
136+25	160	RT	12
136+25	175	RT	12
136+25	180	RT	6
136+25	190	RT	6
136+30	190	RT	6

TOTAL 56

TREE REMOVAL (OVER 15 UNIT DIA)

LOCATION			UNIT DIA
115+25		LT	24
115+35		LT	24
115+50		LT	24
115+70		LT	24
115+95		LT	24
116+10		LT	30
116+55		LT	36
116+75		LT	24
117+00		LT	18
117+25		LT	24
117+40		LT	18
117+50		LT	18
117+70		LT	18
118+95		LT	18
136+25	100	RT	30
136+25	120	RT	24
136+25	130	RT	24

TOTAL 402

CLASS D PATCHES 8"

LOCATION	AREA (SY)	TYPE
92+70	18	III
93+50	24	III
101+00	14	II
101+75	14	II
102+75	11	II
111+60	22	III
111+90	16	III
112+75	11	II
123+30	12	II
130+15	16	III
131+95	17	III

TOTAL TY III 113

TOTAL TY II 62

STORM SEWER, RUBBER GASKET, CL A, TY 1, 12"

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST16	ST14	10	10	1.805	0.132	1
ST18	ST20	75	75	1.96	0.132	10
ST19	ST18	42	42	1.96	0.132	6
ST20	ST23	100	100	1.96	0.132	13
ST21	ST20	42	42	1.96	0.132	6
ST22	ST23	42	42	1.96	0.132	6
ST34	ST32	8	0	2.035	0.132	0
ST51	ST52	10	10	1.75	0.132	1
ST53	ST54	10	10	1.75	0.132	1
ST55	ST49	52	52	1.78	0.132	7
ST56	ST48	117	117	1.96	0.132	15
ST57	ST56	42	42	1.96	0.132	6
ST58	ST56	8	0	1.815	0.132	0
ST59	ST56	100	100	1.96	0.132	13
ST60	ST59	150	150	1.96	0.132	20
ST61	ST60	42	42	1.96	0.132	6
ST62	ST60	100	100	1.96	0.132	13
ST63	ST62	75	75	1.96	0.132	10
ST64	ST63	42	42	1.96	0.132	6
ST65	ST63	100	100	1.96	0.132	13
ST66	ST69	200	200	2.165	0.132	26
ST67	ST68	8	0	1.955	0.132	0
ST69	ST74	225	225	2.205	0.132	30
ST71	ST70	7	0	1.995	0.132	0
ST72	ST73	95	95	1.75	0.132	13
ST73	ST74	42	42	1.96	0.132	6
ST76	ST77	42	42	1.96	0.132	6
ST79	ST80	53	25	1.75	0.132	3
ST80	ST84	66	15	1.75	0.132	2
ST85	ST89	84	15	1.75	0.132	2
ST86	ST87	8	0	1.88	0.132	0
ST87	ST88	42	42	2.22	0.132	6
ST92	ST91	44	44	2.12	0.132	6
ST93	ST94	94	40	1.75	0.132	5
ST96	ST95	42	42	1.96	0.132	6
ST97	ST100	70	12	1.75	0.132	2
ST99	ST98	42	42	1.96	0.132	6
ST101	ST102	42	42	1.34	0.132	6
ST103	ST102	9	0	2.08	0.132	0
ST106	ST107	42	42	1.555	0.132	6
ST110	ST109	57	0	0.965	0.132	0
ST111	ST110	44	44	2.005	0.132	6
ST114	ST112	10	10	1.8	0.132	1
ST120	ST118	36	36	2.1	0.132	5
ST121	ST120	6	0	1.985	0.132	0
ST122	ST119	73	73	1.76	0.132	10
ST123	ST120	70	70	2.215	0.132	9
Sub-Total		2720				315

STORM SEWER, RUBBER GASKET, CL A, TY 2, 12" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST1	ST2	44	44	2.57	0.194	9
ST7	ST6	14	0	3.145	0.257	0
ST8	ST9	41	41	4.57	0.632	26
ST11	ST10	10	0	3.87	0.32	0
ST13	ST12	10	0	3.325	0.278	0
ST24	ST25	8	0	2.305	0.173	0
ST28	ST26	8	0	2.32	0.173	0
ST68	ST66	42	42	2.37	0.173	7
ST70	ST69	42	42	2.45	0.173	7
ST75	ST74	10	0	2.37	0.173	0
ST78	ST77	9	0	2.375	0.173	0
ST81	ST82	10	0	2.42	0.173	0
ST82	ST83	42	42	3.3	0.278	12
ST84	ST83	8	0	2.32	0.173	0
ST89	ST88	13	0	3.07	0.236	0
ST91	ST90	22	22	3.06	0.236	5
ST94	ST95	13	0	2.795	0.215	0
ST100	ST98	9	0	2.58	0.194	0
ST105	ST104	39	0	2.34	0.173	0
ST112	ST110	77	77	2.37	0.173	13
Sub-Total		471				79

STORM SEWER, RUBBER GASKET, CL A, TY 1, 15" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST52	ST47	23	23	2.46	0.167	4
ST54	ST52	33	33	2.085	0.121	4
Sub-Total		56				8

STORM SEWER, RUBBER GASKET, CL A, TY 2, 15" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST74	ST77	85	85	2.62	0.19	16
ST77	ST83	255	255	2.625	0.19	48
ST83	ST88	200	200	2.88	0.213	43
Sub-Total		540				107

STORM SEWER, RUBBER GASKET, CL A, TY 1, 18" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST5	ST4	6	0	2.33	0.213	0
Sub-Total		6				0

STORM SEWER, RUBBER GASKET, CL A, TY 2, 18" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST88	ST95	180	180	3.57	0.307	55
ST95	ST98	145	145	3.295	0.281	41
ST119	ST118	6	6	5.81	0.866	5
Sub-Total		331				101

STORM SEWER, RUBBER GASKET, CL A, TY 1, 24" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST47	ST48	10.39	10	3.185	0.235	2
ST107	ST108	33.4	0	0.81	0	0
Sub-Total		44				2

STORM SEWER, RUBBER GASKET, CL A, TY 2, 24" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST48	ST49	42	42	8.33	1.416	59
ST49	ST50	14	14	8	1.335	19
ST98	ST102	140	140	3.58	0.294	41
ST102	ST107	120	120	3.27	0.235	28
Sub-Total		316				147

STORM SEWER, RUBBER GASKET, CL A, TY 1, 36" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST2	ST6	80	80	3.725	0.244	20
ST6	ST5	39	39	4.16	0.321	13
ST14	ST15	42	42	4.145	0.321	13
ST17	ST15	55	55	4.19	0.321	18
Sub-Total		136				64

STORM SEWER, RUBBER GASKET, CL A, TY 2, 36" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST9	ST6	100	100	4.505	0.569	57
ST10	ST9	95	95	4.97	0.668	63
ST12	ST10	105	105	4.73	0.619	65
ST15	ST12	40	40	4.285	0.52	21
Sub-Total		340				206

STORM SEWER, RUBBER GASKET, CL A, TY 1, 48" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST116	ST117	17	17	4.48	0.414	7
Sub-Total		17				7

STORM SEWER, RUBBER GASKET, CL A, TY 1, 54" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST35	ST37	60	60	5.63	0.617	37
ST36	ST38	60	60	5.72	0.679	41
ST37	ST39	65	65	5.425	0.555	36
ST38	ST40	65	65	5.515	0.617	40
ST39	ST42	70	70	5.285	0.492	34
ST40	ST41	70	70	5.375	0.555	39
ST41	ST43	10	10	5.35	0.555	6
ST42	ST44	10	10	5.26	0.492	5
ST43	ST46	70	70	5.575	0.617	43
ST44	ST45	70	70	5.485	0.555	39
Sub-Total		550				320

STORM SEWER, RUBBER GASKET, CL A, TY 2, 54" RCP

FROM STRUCTURE	TO STRUCTURE	PIPE LENGTH (FT)	TRENCH BACKFILL LENGTH (FT)	AVERAGE DEPTH (FT)	TRENCH BACKFILL FACTOR	TBF VOLUME (CY)
ST23	ST27	175	175	7.605	1.24	217
ST25	ST26	75	75	6.87	0.991	74
ST26	ST29	100	100	6.48	0.866	87
ST27	ST30	100	100	6.57	0.929	93
ST29	ST31	50	50	6.23	0.804	40
ST30	ST33	100	100	6.235	0.804	80
ST31	ST32	50	50	6.065	0.742	37
ST32	ST35	75	75	5.855	0.679	51
ST33	ST36	75	75	5.945	0.742	56
ST45	ST48	158	157	6.995	1.053	165
ST46	ST49	158	157	7.08	1.053	165
Sub-Total		1116				1065

TRENCH BACKFILL TOTAL 2421

SCHEDULE OF QUANTITIES

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DATE: MAY 2007

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