CONTRACT NO. 62882

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	McHENRY	502	169
STA. 9+35.22		TO STA.142+08.53		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (105X & 106) WRS-2

IL ROUTE 47

Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (Inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
2	STORM SEWERS, CLASS A, TYPE II	2	3	12	33.6	1.00	874.21	873.87	10.6
3	STORM SEWERS, CLASS A, TYPE II	4	3	12	13.0	1.00	874.75	874.62	1.4
4	STORM SEWERS, CLASS A, TYPE II	6	3	60	139.1	0.18	867.86	867.61	0.0
5	STORM SEWERS, CLASS A, TYPE II	5	6	12	36.3	1.00	873.77	873.41	12.1
6	STORM SEWERS, CLASS A, TYPE II	7	6	12	14.8	1.00	874.44	874.29	3.7
7	STORM SEWERS, CLASS A, TYPE II	9	6	60	139.2	0.10	868.00	867.86	0.0
8	STORM SEWERS, CLASS A, TYPE II	8	9	12	36.1	1.00	873.33	872.97	11.0
9	STORM SEWERS, CLASS A, TYPE II	10	9	12	14.2	1.00	873.99	873.85	2.7
10	STORM SEWERS, CLASS A, TYPE II	14	9	60	140.1	0.10	868.14	868.00	0.0
11	STORM SEWERS, CLASS A, TYPE II	11	14	12	36.1	0.50	872.41	872.23	12.4
12	STORM SEWERS, CLASS A, TYPE II	13	14	12	15.6	1.00	873.63	873.47	1.5
13	STORM SEWERS, CLASS A, TYPE II	12	11	12	34.5	0.50	872.58	872.41	6.7
14	STORM SEWERS, CLASS A, TYPE II	17	15	12	30.5	0.50	873.52	873.37	5.5
15	STORM SEWERS, CLASS A, TYPE II	15	14	60	68.2	0.10	868.23	868.16	74.7
16	STORM SEWERS, CLASS A, TYPE II	23	15	60	129.5	0.10	868.36	868.23	208.4
17	STORM SEWERS, CLASS A, TYPE II	16	3	12	71.0	1.00	874.86	874.15	12.9
18	STORM SEWERS, CLASS A, TYPE II	21	18	12	26.0	0.50	872.35	872.22	2.3
19	STORM SEWERS, CLASS A, TYPE I	19	21	12	38.0	0.50	872.54	872.35	4.8
20	STORM SEWERS, CLASS A, TYPE I	51	18	12	32.0	1.00	873.12	872.80	5.2
21	STORM SEWERS, CLASS A, TYPE II	18	22	12	22.0	1.00	872.22	872.00	8.6
22	STORM SEWERS, CLASS A, TYPE II	22	23	12	3.7	1.00	872.00	871.96	2.4
23	STORM SEWERS, CLASS A, TYPE I	31	23	60	161.8	0.10	868.52	868.36	205.1
24	STORM SEWERS, CLASS A, TYPE I	27	28	12	24.0	4.00	873.19	872.23	4.1
25	STORM SEWERS, CLASS A, TYPE I	25	28	12	7.0	1.00	872.56	872.49	1.1
26	STORM SEWERS, CLASS A, TYPE II	28	29	12	29.9	1.00	872.23	871.93	0.6
27	STORM SEWERS, CLASS A, TYPE II	29	30	12	22.0	1.00	871.93	871.71	4.4
28	STORM SEWERS, CLASS A, TYPE I	24	26	12	31.3	1.00	872.21	871.90	5.0
29	STORM SEWERS, CLASS A, TYPE I	26	30	12	5.8	1.00	871.90	871.84	1.0
30	STORM SEWERS, CLASS A, TYPE I	30	31	15	2.8	1.00	871.71	871.68	1.0
31	STORM SEWERS, CLASS A, TYPE I	41	31	60	105.8	0.10	868.63	868.52	116.9
32	STORM SEWERS, CLASS A, TYPE I	40	41	12	3.1	1.00	872.28	872.25	1.0
33	STORM SEWERS, CLASS A, TYPE I	45	41	60	91.2	0.10	868.72	868.63	112.9
34	STORM SEWERS, CLASS A, TYPE I	42	43	12	51.9	0.70	873.92	873.56	7.1
35	STORM SEWERS, CLASS A, TYPE I	43	44	12	7.7	0.90	873.56	873.49	2.3
36	STORM SEWERS, CLASS A, TYPE I	44	45	12	52.2	0.90	873.49	873.02	8.7
37	STORM SEWERS, CLASS A, TYPE II	46	45	12	23.5	1.03	873.04	872.80	7.5
38	STORM SEWERS, CLASS A, TYPE II	50	45	60	191.6	0.15	868.98	868.70	290.8
39	STORM SEWERS, CLASS A, TYPE I	20	17	12	46.2	0.50	873.75	873.52	12.2
40	STORM SEWERS, CLASS A, TYPE I	48	182	12	56.0	1.00	874.94	874.38	6.7
41	STORM SEWERS, CLASS A, TYPE I	182	50	12	5.2	1.00	874.33	874.28	0.9
42	STORM SEWERS, CLASS A, TYPE II	54	50	60	181.3	0.10	869.17	868.98	329.6
43	STORM SEWERS, CLASS A, TYPE I	35	23	12	6.0	0.60	873.73	873.70	0.9
44	STORM SEWERS, CLASS A, TYPE I	36	31	12	4.3	1.00	873.14	873.09	0.9
45	STORM SEWERS, CLASS A, TYPE II	37	127	12	6.1	1.00	887.15	887.09	0.0
46	STORM SEWERS, CLASS A, TYPE I	38	164	12	7.5	1.00	883.46	883.39	0.0
47	STORM SEWER (WATER MAIN REQUIREMENTS)	39	138	12	7.5	1.00	886.57	886.49	2.1
48	STORM SEWERS, CLASS A, TYPE II	63	161	12	10.5	0.40	882.50	882.46	1.8
49	STORM SEWERS, CLASS A, TYPE I	49	12	12	76.1	0.50	872.96	872.58	12.9
50	STORM SEWERS, CLASS A, TYPE II	62	148	12	4.0	0.40	879.35	879.33	0.0
51	STORM SEWERS, CLASS A, TYPE II	32	112	12	6.3	1.00	881.65	881.58	0.0
52	STORM SEWERS, CLASS A, TYPE II	60	66	12	51.9	1.00	877.00	876.48	21.8
53	STORM SEWERS, CLASS A, TYPE II	53	54	12	6.2	1.00	874.70	874.64	1.2
54	STORM SEWERS, CLASS A, TYPE II	67	54	60	178.5	0.10	869.35	869.17	388.7
55	STORM SEWERS, CLASS A, TYPE II	61	60	12	72.8	0.50	877.37	877.00	27.6
56	STORM SEWERS, CLASS A, TYPE II	65	60	12	24.0	1.00	878.44	878.20	4.2
57	STORM SEWERS, CLASS A, TYPE II	66	67	12	5.0	1.00	876.48	876.43	1.7
58	STORM SEWERS, CLASS A, TYPE II	33	115	12	5.2	1.00	883.14	883.09	0.0
59	STORM SEWERS, CLASS A, TYPE II	69	70	12	46.2	1.50	879.13	878.44	8.3
60	STORM SEWERS, CLASS A, TYPE II	70	71	12	4.4	1.00	878.44	878.39	0.8
61	STORM SEWERS, CLASS A, TYPE II	74	71	60	296.3	0.49	870.96	869.50	1008.2
62	STORM SEWERS, CLASS A, TYPE I	52	59	24 EQRS	117.3	0.52	876.21	875.60	14.8
63	STORM SEWERS, CLASS A, TYPE II	72	73	12	70.0	1.00	882.87	882.17	10.5
64	STORM SEWERS, CLASS A, TYPE II	73	74	12	3.1	1.00	882.17	882.14	1.1
65	STORM SEWERS, CLASS A, TYPE III	80	74	60	127.3	0.15	871.15	870.96	505.8
66	STORM SEWERS, CLASS A, TYPE II	75	76	12	8.5	1.00	883.75	883.67	4.7
67	STORM SEWERS, CLASS A, TYPE II	76	77	12	23.9	1.00	883.67	883.43	10.5
69	STORM SEWERS, CLASS A, TYPE II	77	79	12	41.2	1.00	883.43	883.02	20.2
70	STORM SEWERS, CLASS A, TYPE II	79	80	12	8.1	1.00	883.02	882.94	5.4
71	STORM SEWERS, CLASS A, TYPE III	85	80	60	156.5	0.15	871.38	871.15	693.3
72	STORM SEWERS, CLASS A, TYPE II	81	83	12	25.0	1.00	886.45	886.20	4.5
74	STORM SEWERS, CLASS A, TYPE II	83	84	12	40.0	1.00	886.20	885.80	13.5
75	STORM SEWERS, CLASS A, TYPE II	84	85	12	8.4	1.00	885.80	885.72	4.7

IL ROUTE 47

Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (Inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
76	STORM SEWERS, CLASS A, TYPE III	88	85	60	252.5	0.16	871.79	871.38	1208.2
77	STORM SEWERS, CLASS A, TYPE II	86	87	12	70.0	1.00	886.47	885.77	13.9
78	STORM SEWERS, CLASS A, TYPE II	87	88	12	6.1	1.00	885.77	885.71	3.7
79	STORM SEWERS, CLASS A, TYPE III	91	88	60	130.5	0.16	872.00	871.79	573.6
80	STORM SEWERS, CLASS A, TYPE II	89	90	12	70.0	1.00	879.27	878.57	87.7
81	STORM SEWERS, CLASS A, TYPE II	90	91	12	8.4	1.00	878.57	878.48	12.5
82	STORM SEWERS, CLASS A, TYPE II	96	118	60	112.2	0.55	872.92	872.31	386.8
83	STORM SEWERS, CLASS A, TYPE II	93	118	12	36.9	1.00	884.37	884.00	6.9
84	STORM SEWERS, CLASS A, TYPE II	95	111	12	98.0	0.40	879.77	879.38	0.0
85	STORM SEWERS, CLASS A, TYPE II	94	95	12	11.5	1.00	881.93	881.81	7.3
86	STORM SEWERS, CLASS A, TYPE II	97	118	12	38.3	0.50	883.69	883.50	0.0
87	STORM SEWERS, CLASS A, TYPE II	106	96	60	68.2	0.55	873.30	872.92	172.2
88	STORM SEWERS, CLASS A, TYPE II	99	95	12	67.0	0.40	880.04	879.77	0.0
89	STORM SEWERS, CLASS A, TYPE II	98	99	12	11.5	1.00	881.23	881.12	7.3
90	STORM SEWERS, CLASS A, TYPE II	100	99	12	69.9	0.40	880.95	880.67	0.0
91	STORM SEWERS, CLASS A, TYPE I	102	101	12	24.0	1.00	883.50	883.26	3.4
92	STORM SEWERS, CLASS A, TYPE II	111	89	12	11.5	1.00	879.38	879.27	16.8
93	STORM SEWERS, CLASS A, TYPE I	103	104	12	34.0	1.00	883.50	883.16	4.5
94	STORM SEWERS, CLASS A, TYPE II	104	106	12	3.8	1.00	882.33	882.29	1.2
95	STORM SEWERS, CLASS A, TYPE II	105	106	12	5.4	1.00	880.35	880.30	0.0
96	STORM SEWERS, CLASS A, TYPE II	108	104	12	7.1	1.00	882.40	882.33	1.4
97	STORM SEWERS, CLASS A, TYPE II	112	106	60	91.2	0.13	873.42	873.30	260.6
98	STORM SEWERS, CLASS A, TYPE II	109	110	12	80.0	1.00	883.44	882.64	12.2
99	STORM SEWERS, CLASS A, TYPE II	110	112	12	3.8	1.00	882.64	882.60	0.7
100	STORM SEWERS, CLASS A, TYPE II	115	112	60	147.2	0.13	873.61	873.42	453.2
101	STORM SEWERS, CLASS A, TYPE II	101	100	12	11.5	1.00	881.44	881.32	4.3
102	STORM SEWERS, CLASS A, TYPE II	113	122	12	37.5	0.50	885.03	884.84	12.8
103	STORM SEWERS, CLASS A, TYPE I	114	115	12	3.8	1.00	884.65	884.62	0.5
104	STORM SEWERS, CLASS A, TYPE II	121	115	60	164.2	0.19	873.92	873.61	568.3
106	STORM SEWERS, CLASS A, TYPE I	117	122	12	98.7	1.00	886.75	885.76	15.6
107	STORM SEWERS, CLASS A, TYPE II	122	114	12	37.5	0.50	884.84	884.65	14.3
108	STORM SEWERS, CLASS A, TYPE II	119	120	12	71.3	1.00	886.69	885.98	14.4
109	STORM SEWERS, CLASS A, TYPE II	120	121	12	11.8	1.00	885.98	885.86	3.7
110	STORM SEWERS, CLASS A, TYPE III	123	121	60	191.2	0.20	874.30	873.92	446.8
111	STORM SEWERS, CLASS A, TYPE II	124	123	12	88.6	1.00	885.84	884.95	74.0
112	STORM SEWERS, CLASS A, TYPE III	127	123	60	235.2	0.42	875.29	874.30	1066.7
113	STORM SEWERS, CLASS A, TYPE II	125	130	12	25.2	0.40	886.03	885.93	19.1
114	STORM SEWERS, CLASS A, TYPE II	126	127	12	5.1	0.40	885.78	885.76	4.8
115	STORM SEWERS, CLASS A, TYPE I	128	131	12	110.0	0.40	886.50	886.06	23.7
116	STORM SEWERS, CLASS A, TYPE II	129	130	12	37.0	1.00	888.91	888.54	12.4
117	STORM SEWERS, CLASS A, TYPE II	130	126	12	38.8	0.40	885.93	885.78	30.2
118	STORM SEWERS, CLASS A, TYPE III	118	91	60	49.5	0.20	872.10	872.00	192.9
119	STORM SEWERS, CLASS A, TYPE III	134	127	54	108.5	0.20	875.99	875.77	414.2
120	STORM SEWERS, CLASS A, TYPE II	132	133	12	67.4	0.40	886.45	886.18	34.8
121	STORM SEWERS, CLASS A, TYPE II	131	125	12	6.5	0.40	886.06	886.03	4.1
122	STORM SEWERS, CLASS A, TYPE II	133	134	12	4.7	1.00	886.18	886.13	3.4
123	STORM SEWERS, CLASS A, TYPE III	137	134	54	109.8	0.20	876.21	875.99	374.6
124	STORM SEWERS, CLASS A, TYPE II	135	136	12	64.0	0.50	887.17	886.85	11.6
125	STORM SEWERS, CLASS A, TYPE II	136	137	12	6.4	1.00	886.85	886.79	2.0
126	STORM SEWERS, CLASS A, TYPE II	142	137	54	106.8	0.20	876.42	876.21	335.8
127	STORM SEWER (WATER MAIN REQUIREMENTS)	138	139	12	24.0	1.00	886.49	886.25	4.9
128	STORM SEWERS, CLASS A, TYPE II	139	140	12	8.0	1.00	886.25	886.17	4.9
129	STORM SEWERS, CLASS A, TYPE II	140	141	12	24.0	1.00	886.17	885.93	9.0
130	STORM SEWERS, CLASS A, TYPE II	141	142	12	6.4	1.00	885.93	885.87	2.2
131	STORM SEWERS, CLASS A, TYPE II	145	142	54	107.8	0.15	876.58	876.42	315.2
132	STORM SEWER (WATER MAIN REQUIREMENTS)	143	144	12	64.0	1.00	885.81	885.17	12.4
133	STORM SEWERS, CLASS A, TYPE II	144	145	12	6.4	1.00	885.17	885.11	3.6
134	STORM SEWERS, CLASS A, TYPE II	150	145	54	95.8	0.15	876.73	876.58	262.0
135	STORM SEWER (WATER MAIN REQUIREMENTS)	146	147	12	24.0	1.00	885.20	884.97	9.0
136	STORM SEWERS, CLASS A, TYPE II	156	168	12	74.8	0.40	879.35	879.05	50.6
137	STORM SEWERS, CLASS A, TYPE II	147	149	12	35.0	1.00	884.97	884.62	14.7
138	STORM SEWERS, CLASS A, TYPE II	149	150	12	6.4	1.00	884.62	884.55	3.7
139	STORM SEWERS, CLASS A, TYPE II	154	150	54	109.8	0.19	876.94	876.73	267.1
140	STORM SEWERS, CLASS A, TYPE I	151	152	12	35.3	1.00	884.86	884.51	9.2
141	STORM SEWER (WATER MAIN REQUIREMENTS)	152	153	12	64.0	1.00	884.51	883.87	12.7
142	STORM SEWERS, CLASS A, TYPE II	153	154	12	6.4	1.00	883.87	883.80	3.5
143	STORM SEWERS, CLASS A, TYPE II	160	154	54	106.8	0.19	877.14	876.94	212.7
144	STORM SEWER (WATER MAIN REQUIREMENTS)	155	156	12	64.0	0.50	882.64	882.32	31.1
145	STORM SEWERS, CLASS A, TYPE II	156	160	12	6.4	0.50	879.35	879.32	7.2
146	STORM SEWERS, CLASS A, TYPE II	158	155	12	31.0	0.38	882.76	882.64	13.4
147	STORM SEWERS, CLASS A, TYPE II	157	158	12	7.8	1.00	882.85	882.77	2.7

PLOT DATE = Friday, December 18, 2009
FILE NAME = S:\11-CADD\01-art\169_drn_pipe_sch_01.dgn
PLOT SCALE = 1061
USER NAME = JOHN

REVISIONS	
NAME	DATE
ADDENDUM A	12/21/09

Stanley Consultants INC.
850 West Higgins Road, Suite 730, Chicago, Illinois 60193-2801
www.stanleygroup.com
Illinois Firm Registration No.: 184-006533
(773) 693-9624

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 47
STORM SEWER PIPE SCHEDULES
SHEET 1 OF 4

SCALE: VERT. NO SCALE
HORIZ.
DATE: 8/5/2009

DRAWN BY: E.D.
CHECKED BY: C.Z.