CONTRACT NO. 62882

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	McHENRY	502	170
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)
147	STORM SEWERS, CLASS A, TYPE II	157	158	12	7.8	1.00	882.85	882.77	2.7
148	STORM SEWERS, CLASS A, TYPE I	159	148	12	7.5	1.00	883.63	883.55	1.2
149	STORM SEWERS, CLASS A, TYPE II	164	148	42	78.8	0.10	878.25	878.17	131.3
150	STORM SEWER (WATER MAIN REQUIREMENTS)	161	162	12	34.1	0.50	882.46	882.29	16.9
151	STORM SEWERS, CLASS A, TYPE II	166	162	12	12.0	0.50	883.79	883.73	2.3
152	STORM SEWERS, CLASS A, TYPE II	162	163	12	27.0	1.00	882.29	882.02	14.3
153	STORM SEWERS, CLASS A, TYPE I	167	163	12	7.1	0.40	883.27	883.24	1.1
154	STORM SEWERS, CLASS A, TYPE II	163	164	15	5.6	1.00	882.01	881.96	3.9
155	STORM SEWERS, CLASS A, TYPE II	175	164	36 EQRS	242.0	0.24	881.04	880.46	403.1
156	STORM SEWERS, CLASS A, TYPE II	148	160	42	29.8	0.10	878.17	878.14	14.9
157	STORM SEWERS, CLASS A, TYPE II	169	170	12	49.2	0.50	885.49	885.39	10.0
158	STORM SEWERS, CLASS A, TYPE II	170	175	12	146.2	0.50	885.39	884.42	54.3
159	STORM SEWERS, CLASS A, TYPE II	177	175	12	33.4	1.00	884.70	884.37	14.5
160	STORM SEWERS, CLASS A, TYPE II	176	177	12	5.5	1.00	884.76	884.70	2.5
161	STORM SEWERS, CLASS A, TYPE II	178	175	24 EQRS	50.7	0.53	882.09	881.82	58.5
162	STORM SEWERS, CLASS A, TYPE II	34	178	18	142.9	0.53	883.24	882.20	80.3
163	STORM SEWERS, CLASS A, TYPE II	195	34	12	33.4	0.56	886.36	886.18	13.6
164	STORM SEWERS, CLASS A, TYPE II	194	34	15	31.7	0.80	886.03	885.78	17.1
166	STORM SEWERS, CLASS A, TYPE I	180	178	12	7.5	0.66	885.96	885.91	1.0
167	STORM SEWERS, CLASS A, TYPE II	71	67	60	159.2	0.10	869.50	869.35	426.0
168	STORM SEWERS, CLASS A, TYPE I	47	48	12	24.0	4.75	876.08	874.94	3.4
169	STORM SEWERS, CLASS A, TYPE II	181	76	12	42.0	0.50	883.90	883.69	8.2
170	STORM SEWERS, CLASS A, TYPE I	188	193	12	16.0	1.00	887.51	887.36	5.0
171	STORM SEWERS, CLASS A, TYPE I	165	161	12	7.1	0.50	884.27	884.23	0.4
172	STORM SEWERS, CLASS A, TYPE I	189	196	12	60.9	1.00	887.80	887.19	18.6
173	STORM SEWERS, CLASS A, TYPE I	107	101	12	7.1	1.00	883.02	882.95	1.1
174	STORM SEWERS, CLASS A, TYPE II	55	100	12	5.1	1.00	881.00	880.95	0.0
175	STORM SEWERS, CLASS A, TYPE II	56	99	12	5.9	1.00	880.10	880.04	0.0
176	STORM SEWERS, CLASS A, TYPE II	57	95	12	5.0	1.00	881.52	881.47	0.0
177	STORM SEWERS, CLASS A, TYPE II	58	111	12	5.1	1.00	884.20	884.15	0.0
178	STORM SEWERS, CLASS A, TYPE II	196	194	12	43.1	1.00	887.19	886.76	16.0
179	STORM SEWERS, CLASS A, TYPE II	197	194	12	52.0	2.42	887.29	886.03	36.2
180	STORM SEWERS, CLASS A, TYPE I	187	197	12	40.9	1.00	887.70	887.29	5.8
181	STORM SEWERS, CLASS A, TYPE II	193	197	12	30.1	1.00	887.36	887.05	5.3
182	STORM SEWERS, CLASS A, TYPE II	186	197	12	29.6	0.40	886.41	886.29	13.3
183	STORM SEWERS, CLASS A, TYPE I	185	186	12	8.0	0.40	887.27	887.24	1.2
184	STORM SEWERS, CLASS A, TYPE I	183	186	12	38.2	0.40	887.00	886.85	5.8
186	STORM SEWERS, CLASS A, TYPE I	210	202	12	16.7	1.00	887.79	887.62	3.9
187	STORM SEWERS, CLASS A, TYPE II	198	199	12	33.3	0.40	887.67	887.54	6.2
188	STORM SEWERS, CLASS A, TYPE II	199	200	12	32.8	0.40	887.54	887.40	6.5
189	STORM SEWERS, CLASS A, TYPE I	200	201	12	3.5	0.40	887.40	887.39	0.5
190	STORM SEWERS, CLASS A, TYPE II	201	268	12	37.9	0.40	887.07	886.92	12.9
191	STORM SEWERS, CLASS A, TYPE I	202	268	12	3.5	1.00	887.62	887.59	1.0
192	STORM SEWERS, CLASS A, TYPE II	203	204	12	34.8	0.40	886.83	886.69	6.6
193	STORM SEWERS, CLASS A, TYPE II	204	205	12	31.2	0.40	886.69	886.57	6.2
194	STORM SEWERS, CLASS A, TYPE II	205	206	12	3.5	0.40	886.57	886.56	1.1
195	STORM SEWERS, CLASS A, TYPE I	207	206	12	2.5	1.00	886.55	886.53	0.6
196	STORM SEWERS, CLASS A, TYPE II	206	212	12	146.6	0.50	886.50	885.77	48.4
197	STORM SEWERS, CLASS A, TYPE II	208	209	12	28.2	0.36	885.45	885.35	5.4
199	STORM SEWERS, CLASS A, TYPE II	209	211	12	33.7	0.36	885.34	885.22	11.2
200	STORM SEWERS, CLASS A, TYPE II	211	212	12	3.5	0.40	885.22	885.20	0.7
201	STORM SEWERS, CLASS A, TYPE II	212	214	12	38.9	1.00	884.97	884.58	26.0
202	STORM SEWERS, CLASS A, TYPE II	213	214	12	3.5	1.00	885.00	884.96	2.0
203	STORM SEWERS, CLASS A, TYPE I	215	219	12	12.4	1.00	886.83	886.71	2.2
204	STORM SEWERS, CLASS A, TYPE II	214	219	12	20.4	1.00	884.58	884.37	13.1
205	STORM SEWERS, CLASS A, TYPE I	217	218	12	3.6	0.40	883.77	883.75	0.6
206	STORM SEWER (WATER MAIN REQUIREMENTS)	216	222	24	67.8	1.25	881.48	880.64	69.6
207	STORM SEWER (WATER MAIN REQUIREMENTS)	218	219	12	114.5	0.40	883.75	883.30	45.0
208	STORM SEWER (WATER MAIN REQUIREMENTS)	219	216	24	60.3	0.60	883.29	882.93	27.9
209	STORM SEWERS, CLASS A, TYPE II	220	221	12	62.0	1.00	883.50	882.88	11.1
210	STORM SEWERS, CLASS A, TYPE II	221	222	12	3.5	1.00	882.88	882.85	0.0
211	STORM SEWER (WATER MAIN REQUIREMENTS)	222	225	24	46.9	1.25	880.64	880.05	49.9
212	STORM SEWERS, CLASS A, TYPE II	223	224	12	35.3	0.40	882.37	882.23	14.7
213	STORM SEWERS, CLASS A, TYPE II	224	225	12	31.0	1.00	882.23	881.92	14.3
214	STORM SEWER (WATER MAIN REQUIREMENTS)	225	227	30	84.8	0.26	879.55	879.32	97.0
215	STORM SEWER (WATER MAIN REQUIREMENTS)	226	227	12	3.5	1.00	882.22	882.19	1.1
216	STORM SEWER (WATER MAIN REQUIREMENTS)	227	230	30	29.9	0.26	879.32	879.25	31.5
217	STORM SEWERS, CLASS A, TYPE II	228	229	12	27.0	0.50	881.83	881.69	5.2
218	STORM SEWERS, CLASS A, TYPE II	229	230	12	38.5	0.50	879.44	879.25	27.6
219	STORM SEWER (WATER MAIN REQUIREMENTS)	230	234	30	72.8	0.26	879.25	879.06	70.3

IL ROUTE 47									
Link - ID	Class / Type	Upstream Structure	Downstream Structure	Diameter (Inches)	Length (ft)	Slope	Upstream Invert	Downstream Invert	TBF (CY)
220	STORM SEWERS, CLASS A, TYPE II	231	232	12	25.2	1.00	880.20	879.94	11.2
221	STORM SEWERS, CLASS A, TYPE II	232	229	12	74.3	0.50	879.79	879.42	47.1
222	STORM SEWERS, CLASS A, TYPE II	233	234	12	39.0	1.00	880.69	880.30	16.4
223	STORM SEWER (WATER MAIN REQUIREMENTS)	234	237	30	37.0	1.02	879.06	878.68	33.4
224	STORM SEWERS, CLASS A, TYPE I	235	237	12	3.5	1.00	880.70	880.67	1.1
225	STORM SEWER (WATER MAIN REQUIREMENTS)	236	237	12	2.0	1.00	880.60	880.58	0.6
226	STORM SEWER (WATER MAIN REQUIREMENTS)	237	241	42 EQRS	112.5	0.36	878.34	877.93	152.6
227	STORM SEWERS, CLASS A, TYPE I	240	241	12	3.5	1.00	880.22	880.19	1.0
228	STORM SEWERS, CLASS A, TYPE II	242	243	12	62.0	1.00	879.62	879.00	10.7
229	STORM SEWERS, CLASS A, TYPE II	243	244	12	3.4	1.00	879.00	878.97	2.0
230	STORM SEWERS, CLASS A, TYPE I	244	252	42 EQRS	78.2	0.36	877.72	877.44	95.7
231	STORM SEWERS, CLASS A, TYPE I	241	244	42 EQRS	58.2	0.36	877.93	877.72	74.2
232	STORM SEWERS, CLASS A, TYPE I	245	246	12	6.0	1.00	879.34	879.28	1.7
233	STORM SEWERS, CLASS A, TYPE II	246	247	12	35.0	0.90	878.75	878.44	13.7
235	STORM SEWERS, CLASS A, TYPE II	249	252	12	3.4	1.00	878.21	878.18	2.2
236	STORM SEWERS, CLASS A, TYPE I	250	249	12	7.1	1.00	879.19	879.12	1.1
237	STORM SEWERS, CLASS A, TYPE I	253	252	12	3.9	1.00	878.86	878.82	1.2
238	STORM SEWERS, CLASS A, TYPE II	252	255	48 EQRS	50.1	0.14	877.08	877.01	60.9
239	STORM SEWERS, CLASS A, TYPE II	254	255	12	3.4	1.00	879.35	879.32	1.9
240	STORM SEWER (WATER MAIN REQUIREMENTS)	274	218	12	27.0	0.40	885.18	885.07	0.0
241	STORM SEWERS, CLASS A, TYPE II	255	259	48 EQRS	52.1	0.14	877.01	876.94	71.9
242	STORM SEWERS, CLASS A, TYPE I	257	258	12	62.0	1.00	880.07	879.45	10.3
243	STORM SEWERS, CLASS A, TYPE II	258	259	12	3.4	1.00	879.45	879.42	1.2
244	STORM SEWERS, CLASS A, TYPE I	260	259	12	5.0	1.00	879.46	879.41	1.6
245	STORM SEWERS, CLASS A, TYPE II	259	261	48 EQRS	75.9	0.14	876.94	876.83	146.4
246	STORM SEWER (WATER MAIN REQUIREMENTS)	265	261	27	81.8	0.40	878.24	877.91	75.8
247	STORM SEWERS, CLASS A, TYPE II	262	263	12	27.8	1.00	883.14	882.86	4.9
248	STORM SEWERS, CLASS A, TYPE II	263	264	12	30.3	1.00	882.86	882.56	5.6
249	STORM SEWERS, CLASS A, TYPE II	264	265	12	3.5	1.00	882.56	882.52	1.1
250	STORM SEWERS, CLASS A, TYPE II	269	265	27	142.6	0.40	878.81	878.24	231.2
251	STORM SEWER (WATER MAIN REQUIREMENTS)	266	269	12	98.2	0.40	884.50	884.11	37.3
252	STORM SEWERS, CLASS A, TYPE I	256	251	12	47.9	0.50	880.31	880.07	5.6
253	STORM SEWERS, CLASS A, TYPE I	270	267	12	27.9	1.00	887.07	886.79	3.7
254	STORM SEWERS, CLASS A, TYPE II	267	269	12	12.6	2.00	885.73	885.48	2.4
255	STORM SEWERS, CLASS A, TYPE II	276	269	12	77.4	1.00	882.84	882.07	65.4
256	STORM SEWER (WATER MAIN REQUIREMENTS)	271	272	12	10.0	1.00	887.22	887.12	2.5
257	STORM SEWERS, CLASS A, TYPE II	272	273	12	35.4	1.00	886.93	886.58	6.1
258	STORM SEWERS, CLASS A, TYPE II	248	261	21	79.5	0.30	876.23	875.99	92.1
259	STORM SEWERS, CLASS A, TYPE II	273	275	12	23.3	1.00	886.58	886.35	4.7
260	STORM SEWERS, CLASS A, TYPE II	275	276	12	3.0	1.00	886.35	886.32	0.6
261	STORM SEWERS, CLASS A, TYPE I	277	276	12	5.0	1.00	886.55	886.50	1.5
262	STORM SEWERS, CLASS A, TYPE II	280	276	12	74.5	1.00	885.13	884.39	63.4
263	STORM SEWERS, CLASS A, TYPE II	278	279	12	31.5	1.00	888.20	887.88	6.0
264	STORM SEWERS, CLASS A, TYPE II	279	280	12	41.5	1.00	887.88	887.47	8.0
265	STORM SEWERS, CLASS A, TYPE II	282	280	12	67.2	0.40	885.40	885.13	45.6
266	STORM SEWERS, CLASS A, TYPE I	281	282	12	7.1	1.00	889.06	888.99	1.9
267	STORM SEWERS, CLASS A, TYPE I	239	239A	12	7.6	1.00	879.61	879.53	2.3
270	STORM SEWERS, CLASS A, TYPE II	283	286	27	88.9	0.20	887.31	887.13	40.8
271	STORM SEWERS, CLASS A, TYPE II	284	285	12	88.0	1.00	889.12	888.24	16.1
272	STORM SEWERS, CLASS A, TYPE II	285	286	12	3.5	1.00	888.24	888.21	1.3
273	STORM SEWERS, CLASS A, TYPE II	286	294	27	52.3	0.20	887.13	887.03	43.3
274	STORM SEWERS, CLASS A, TYPE I	287	288	12	7.0	0.40	889.42	889.39	0.7
275	STORM SEWERS, CLASS A, TYPE I	288	289	12	23.0	0.40	889.39	889.30	3.2
276	STORM SEWERS, CLASS A, TYPE I	292	293	12	7.1	1.00	889.07	889.00	0.8
277	STORM SEWERS, CLASS A, TYPE I	293	294	12	3.5	1.00	889.00	888.97	1.0
278	STORM SEWER (WATER MAIN REQUIREMENTS)	294	298	27	71.4	0.20	887.03	886.89	61.2
279	STORM SEWERS, CLASS A, TYPE II	307	299	27	7.3	0.20	886.82	886.81	6.1
280	STORM SEWERS, CLASS A, TYPE I	291	296	18	106.5	0.20	889.26	889.05	34.5
281	STORM SEWERS, CLASS A, TYPE II	290	291	12	4.5	0.50	889.28	889.26	0.9
282	STORM SEWERS, CLASS A, TYPE II	295	299	27	95.0	0.15	886.95	886.81	54.7
283	STORM SEWERS, CLASS A, TYPE I	297	298	12	17.2	1.00	889.04	888.87	2.6
284	STORM SEWERS, CLASS A, TYPE II	289	290	12	4.0	0.40	889.30	889.28	0.8
285	STORM SEWERS, CLASS A, TYPE II	298	307	27	32.7	0.20	886.89	886.82	6.0
286	STORM SEWERS, CLASS A, TYPE II	304	295	27	48.3	0.15	887.03	886.95	47.4
288	STORM SEWERS, CLASS A, TYPE II	301	302	12	6.0	1.00	889.63	889.57	2.4
289	STORM SEWERS, CLASS A, TYPE II	303	304	21	24.9	0.50	888.35	888.23	20.4
290	STORM SEWERS, CLASS A, TYPE II	305	303	12	30.6	0.50	888.50	888.35	18.9
292	STORM SEWERS, CLASS A, TYPE II	296	299	18	82.3	2.72	889.05	886.81	39.5
293	STORM SEWERS, CLASS A, TYPE II	302	303	12	20.8	1.00	889.57	889.36	8.5
294	STORM SEWERS, CLASS A, TYPE I	300	284	12	33.0	0.60	888.53	888.34	4.7

PLOT DATE = Wednesday, October 14, 2009
FILE NAME = S:\11-CADD\01-sht\170_drn_pipe_sch_02.dgn
PLOT SCALE = 10:1
USER NAME = 3690

Stanley Consultants INC.
8501 West Higgins Road, Suite 730, Chicago, Illinois 60631-2801
www.stanleygroup.com
Illinois Firm Registration No.: 184-001533
(773) 693-9624

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47

STORM SEWER PIPE SCHEDULES

SHEET 2 OF 4

SCALE: VERT. HORIZ. NO SCALE
DATE: 10/13/2009
DRAWN BY: E.D.
CHECKED BY: C.Z.

10/27/2009