EXISTING DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET (FEET)	STRUCTURE TYPE						LID OR FLOWLINE OF GRATE ELEVATION	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	COMMENTS
			INLET			MANHOLES						
			T3 F&G	TY 8 GR	TY 9 F&G	T1 F	T3 F&G	TY 8 GR				
1	10+89.8	39.9' RT	1						FL=604.17		601.77(SW)	
2	11+09.1	43.5' LT	1						FL=604.14		599.24(E)	
3	11+36.6	44.9' LT				1			RIM=603.98	598.78(N,W)	597.28(E)	
4	12+01.3	29.5' RT		1					RIM=602.92		601.02(N)	
5	12+01.3	22.8' RT	1						FL=603.72	600.87(S)	600.87(N)	
6	12+00.7	22.8' LT	1						FL=603.73	600.45(S)	600.43(N)	
7	12+02.0	35.4' LT				1			RIM=603.85	600.05(S); 596.92 (W)	596.75(E)	
8	12+47.3	52.1' LT	1						FL=602.76	598.76(N)	598.76(S)	
9	13+50.0	29.4' RT		1					RIM=600.65		598.65(N)	
10	13+49.5	22.6' RT	1						FL=602.09	598.67(S)	598.67(N)	
11	13+49.3	22.6' LT	1						FL=602.02	598.12(S)	598.12(N)	
12	13+49.8	34.8' LT				1			RIM=602.10	599.30(NE); 595.60(S,W)	595.60(E)	
13	14+07.4	35.6' LT	1						FL=601.47	594.89(W)	594.82(E)	
14	14+98.5	22.4' LT	1						FL=599.33		594.63(N)	TO BE REMOVED
15	15+46.1	25.2' RT		1					RIM=598.41		595.06(E)	TO BE REMOVED
16	15+82.9	36.6' LT					1		FL=598.97	593.32(W)	593.32(E)	
17	15+92.6	28.1' LT				1			RIM=598.80	593.50(S); 593.05(N)	593.05(E)	TO BE ADJUSTED
18	15+94.7	38.6' LT				1			RIM=599.40	593.05(W)	593.05(S)	TO BE ADJUSTED
19	15+95.3	17.8' LT	1						FL=597.65	594.27(S,E)	594.25(N)	PLUG INV(E)
20	15+95.7	17.0' RT			1				FL=597.55	594.90(S)	595.04(N)	TO BE REMOVED
21	16+01.7	17.5' LT	1						FL=597.53		594.68(W)	TO BE REMOVED
22	16+41.2	48.4' LT					1		FL=598.60	595.10(NW)	595.10(E)	
23	16+76.6	23.1' RT				1			RIM=596.91	593.46(E); 593.16(NE); 590.18(N)	590.16(S)	
24	16+79.3	27.7' LT				1			RIM=597.77	592.17(W); 590.67(N); 590.57(E)	590.57(S)	TO BE ADJUSTED
25	16+82.3	14.8' LT			1				FL=596.54	594.24(E)	594.32(S)	TO BE REMOVED
26	16+82.1	14.7' RT			1				FL=596.47	593.91(E); 593.97(N)	593.97(SW)	TO BE REMOVED
27	16+88.5	14.6' LT			1				FL=596.57		594.37(W)	TO BE REMOVED
28	16+87.2	14.8' RT			1				FL=596.47		594.12(W)	TO BE REMOVED
29	16+88.1	20.0' RT		1					RIM=596.36		593.56(SW)	TO BE REMOVED
30	17+42.9	40.5' LT					1		FL=598.27	594.62(W)	594.62(E)	
31	18+46.2	40.5' LT					1		FL=598.67	594.17(W)	594.17(E)	
32	18+46.5	29.4' LT						1	RIM=598.58	591.53(E)	591.38(W)	TO BE ADJUSTED
33	19+89.3	32.4' LT					1		FL=597.72	593.47(W)	593.47(E)	
34	21+43.4	26.0' LT						1	RIM=597.15	592.15(NE)	592.15(W)	TO BE ADJUSTED
35	22+16.1	69.6' LT				1			RIM=597.79	592.79(NE)	592.49(SW)	DROP STRUCTURE
36	24+79.8	25.5' LT		1					RIM=596.13	594.13(E)	594.13(W)	TO BE REMOVED
		TOTAL	11	5	5	8	5	2				

PROPOSED DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET (FEET)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" (EACH)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	STRUCTURE TYPE						FRAME AND GRATE ELEVATION	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	COMMENTS
						INLETS (EACH)				MANHOLES (EACH)					
						TY A T3 F&G	TY A T9 F&G	TY A SPL GR	TY B T3 F&G	TY A 4' DIA T1 F, CLID	TY A 5' DIA T9 F&G				
100	14+98.00	22.58' LT		1	1	1						TC=599.82		594.63(N)	CONNECT TO EXISTING PIPE
101	15+32.00	22.58' RT		1	1	1						TC=599.25		595.66(E)	
102	15+95.70	17.00' RT		1						1		TL=597.87	595.00(S); 595.04(W)	595.00(N)	W/ FLAT SLAB TOP
103	16+70.00	22.58' RT		1	1	1						TC=597.58		593.45(SE)	
104	16+79.00	22.58' LT		1	1						1	TG=597.16	593.28(E); 590.53(N)	590.53(S)	W/ FLAT SLAB TOP
105	16+90.91	22.58' RT		1	1		1					TG=597.15		593.53(W)	
106	16+90.91	22.58' LT		1	1		1					TG=597.15	593.47(E)	593.37(W)	
107	17+00.00	22.58' LT		1	1		1					TG=597.16		593.54(W)	
108	20+05.00	38.50' RT	1	1										INV=593.33	AT OUTLET OF END SECTION
109	20+05.00	22.58' RT		1	1				1			TC=597.46	593.67(N)	593.50(S)	
110	20+05.00	22.58' LT		1	1				1			TC=597.46	594.77(NE)	593.47(S)	
111	20+09.00	34.00' LT		1	1			1				TR=596.40		594.60(SW)	
112	21+50.00	22.58' RT		1	1	1						TC=596.74		592.74(N)	
113	21+50.00	22.58' LT		1	1				1			TC=596.74	592.32(S)	592.22(N)	
114	21+58.00	26.50' LT		1						1		TL=596.80	592.14(SW)	592.04(E)	W/ FLAT SLAB TOP
115	22+50.00	22.58' RT		1	1	1						TC=596.24		592.24(N)	
116	22+50.00	22.58' LT		1	1				1			TC=596.24	591.82(S)	591.72(N)	
117	22+50.00	26.50' LT		1						1		TL=596.33	591.68(S); 591.16(W)	589.16(E)	W/ FLAT SLAB TOP
118	23+37.50	22.58' RT		1	1	1						TC=595.86		589.04 (W)	
119	23+37.50	22.58' LT		1	1	1						TC=595.86		591.29(E)	
120	23+46.50	22.58' LT		1	1				1			TC=595.87	591.22(W)	591.12(N)	
121	23+46.50	26.50' LT		1						1		TL=595.90	591.46(E); 591.08(S);	588.55(W)	W/ FLAT SLAB TOP
124	25+00.00	25.50' LT		1						1		TL=597.70	593.93(S); 594.30(EXISTING)	592.96(W)	W/ FLAT SLAB TOP/CONNECT TO EXISTING PIPE (E)
		TOTAL	1	23	17	7	3	1	5	5	1				

PIPE CULVERT REMOVAL

LOCATION				FOOT
STA.	20+05.00 LT.	TO	20+06.00 RT.	45
STA.	22+68.00 LT.	TO	22+94.00 RT.	26
STA.	24+04.00 LT.	TO	25+00.00 LT.	96
			TOTAL	167

STORM SEWER REMOVAL

FROM STRUCTURE	TO STRUCTURE	FOOT	TBF CU YD
21	19	6	3
26	23	10	5
25	26	29	10
27	25	6	2
28	26	5	2
29	23	12	6
	TOTAL	68	28

REMOVING INLETS

LOCATION			EACH
STA.	14+98.50	22.4' LT.	1
STA.	15+46.10	25.2' RT.	1
STA.	15+95.70	17.0' RT.	1
STA.	16+01.70	17.5' LT.	1
STA.	16+82.30	14.8' LT.	1
STA.	16+82.10	14.7' RT.	1
STA.	16+88.50	14.6' LT.	1
STA.	16+87.20	14.8' RT.	1
STA.	16+88.10	20.0' RT.	1
STA.	24+79.80	25.5' LT.	1
		TOTAL	10

PROPOSED DRAINAGE PIPE SCHEDULE

FROM STRUCTURE	INVERT ELEVATION	TO STRUCTURE	INVERT ELEVATION	PIPE SLOPE	STORM SEWER, RUBBER GASKET, CLASS A				STORM SEWER, WATER MAIN QUALITY PIPE	TRENCH BACKFILL	COMMENTS
					12"		15"	18"	12"		
				%	TYPE 1	TYPE 2	TYPE 1	TYPE 2	TYPE 2	(CU YD)	
101	595.66	102	595.04	1.00%	62					15	
103	593.45	23	593.40	1.00%	5					1	
105	593.53	23	593.40	1.00%	13					4	
107	593.54	106	593.47	1.00%	7					2	
106	593.37	104	593.28	1.00%	9					3	
111	594.60	110	594.47	0.70%			12			1	
110	593.72	109	593.43	0.70%			42			11	
109	593.50	108	593.38	0.80%			15			0	
112	592.74	113	592.32	1.00%	42					13	
113	592.22	114	592.14	1.00%	8					3	
114	592.04	117	591.16	1.00%		88				61	
115	592.24	116	591.82	1.00%	42					13	
116	591.72	117	591.68	1.00%	4					2	
117	589.16	BOX	588.55	1.00%					61	64	
S. OF 124	593.97	124	593.93	1.00%		4				1	
124	592.96	121	591.46	1.00%				150		97	
118	589.04	BOX	589.00	1.00%		4				0	
119	591.29	120	591.22	1.00%		7				0	
120	591.12	121	591.08	1.00%		4				0	
121	588.55	BOX	588.40	1.25%				12		14	
123	593.97	124	593.93	1.00%		4				2	
				TOTAL	192	111	69	162	61	307	

MANHOLES TO BE ADJUSTED

LOCATION			EACH
STA.	15+92.60	28.1' LT.	1
STA.	15+94.70	38.6' LT.	1
STA.	16+79.30	27.7' LT.	1
STA.	18+46.50	29.4' LT.	1
STA.	19+19.10	44.5' LT.	1
STA.	21+43.40	26.0' LT.	1
STA.	23+02.30	44.3' LT.	1
		TOTAL	7

VALVE BOXES TO BE ADJUSTED

LOCATION			EACH
STA.	20+56.00	31.5' RT.	1
STA.	20+58.00	33.5' RT.	1
		TOTAL	2

IL 45 TO EAST OF BOX

FILE NAME = 0090198_Schd-Quant-west.dgn	USER NAME = $USER$	DESIGNED - PSA	REVISED -	CITY OF EFFINGHAM	RICKELMAN AVE (FAU 8376) SECTION 07-00112-00-PV SCHEDULE OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JTC	REVISED -			8376	07-00112-00-PV	EFFINGHAM	53	7
	PLOT SCALE = $SCALE$	CHECKED - PJM	REVISED -					CONTRACT NO. 95635		
	PLOT DATE = 10/19/2010	DATE - 10/19/10	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. 13+80.0 TO STA. 24+60.0	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 104 NORTH SECOND STREET, SUITE A, EFFINGHAM, IL 62401 (217)342-5668 / (217)342-5853 FAX