


PIPE NO.	UPSTREAM STR. NO.	DOWNSTREAM STR. NO.	DESCRIPTION	LENGTH (FT)	SIZE (IN)	U/S INV.	D/S INV.	SLOPE	TBF (CY)
99			SS CL A T1 12	43	12			1.50%	0
100	100 - MH	100 - HW	STORM SEWERS JKD 30	85	30	630.96	630.70	0.31%	0
101	101 - CB	100 - MH	SS CL A T2 12	5	12	631.01	630.96	1.00%	2
102	102 - MH	100 - MH	SS CL A T2 30	100	30	631.26	630.96	0.30%	28
103	103 - CB	102 - MH	SS CL A T2 12	5	12	631.31	631.26	1.00%	1
104	104 - MH	102 - MH	SS CL A T2 30	10	30	631.29	631.26	0.30%	2
105	105 - CB	104 - MH	SS CL A T2 12	5	12	631.34	631.29	1.00%	1
106	106 - MH	104 - MH	SS CL A T2 30	10	30	631.32	631.29	0.30%	2
107	107 - CB	106 - MH	SS CL A T2 12	5	12	631.37	631.32	1.00%	1
108	108 - MH	106 - MH	SS CL A T2 30	40	30	631.44	631.32	0.30%	8
109	109 - CB	108 - MH	SS CL A T2 12	5	12	631.49	631.44	1.00%	1
110	110 - MH	108 - MH	SS CL A T2 30	200	30	632.04	631.44	0.30%	133
111	111 - CB	110 - MH	SS CL A T2 12	5	12	632.09	632.04	1.00%	4
112	112 - MH	110 - MH	SS CL A T2 30	100	30	632.34	632.04	0.30%	64
113	113 - CB	112 - MH	SS CL A T2 12	5	12	632.89	632.84	1.00%	3
114	114 - MH	112 - MH	SS CL A T2 24	250	24	633.59	632.84	0.30%	107
115	115 - CB	114 - MH	SS CL A T2 12	5	12	633.64	633.59	1.00%	4
116	116 - MH	114 - MH	SS CL A T2 24	250	24	634.34	633.59	0.30%	185
117	117 - CB	116 - MH	SS CL A T2 12	5	12	634.39	634.34	1.00%	4
118	118 - MH	116 - MH	SS CL A T2 24	125	24	634.72	634.34	0.30%	104
119	119 - MH	118 - MH	SS CL A T2 24	125	24	635.09	634.72	0.30%	112
120	120 - CB	119 - MH	SS CL A T2 12	5	12	637.14	637.09	1.00%	2
121	121 - MH	119 - MH	SS CL A T2 18	250	18	637.84	637.09	0.30%	99
122	122 - CB	121 - MH	SS CL A T2 12	5	12	637.89	637.84	1.00%	3
123	123 - MH	121 - MH	SS CL A T2 18	125	18	638.22	637.84	0.30%	55
124	124 - MH	123 - MH	SS CL A T2 15	125	15	639.79	639.42	0.30%	37
125	125 - CB	124 - MH	SS CL A T2 12	5	12	640.09	640.04	1.00%	2
126	126 - MH	124 - MH	SS CL A T2 12	250	12	640.79	640.04	0.30%	69
127	127 - CB	126 - MH	SS CL A T2 12	5	12	640.84	640.79	1.00%	2
128	128 - CB	126 - MH	SS CL A T2 12	50	12	640.94	640.79	0.30%	13
128A			STORM SEWERS JKD 48	268	48	632.83	631.48	0.50%	0
129	129 - MH	101 - HW	STORM SEWERS JKD 18	101	18	636.40	635.70	0.69%	0
130	130 - CB	129 - MH	SS CL A T2 12	5	12	641.30	641.25	1.00%	2
131	131 - MH	129 - MH	SS CL A T2 18	100	18	641.55	641.25	0.30%	29
132	132 - CB	131 - MH	SS CL A T2 12	5	12	641.60	641.55	1.00%	2
133	133 - MH	131 - MH	SS CL A T2 18	200	18	642.15	641.55	0.30%	60
134	134 - CB	133 - MH	SS CL A T2 12	5	12	642.20	642.15	1.00%	2
135	135 - MH	133 - MH	SS CL A T2 18	250	18	642.90	642.15	0.30%	83
136	136 - CB	135 - MH	SS CL A T2 12	5	12	642.95	642.90	1.00%	3
137	137 - MH	135 - MH	SS CL A T2 12	150	12	643.65	642.90	0.50%	50
137A			2-STORM SEWERS JKD 60	160	60	644.30	642.70	1.00%	0
138	138 - CB	137 - MH	SS CL A T2 12	6	12	643.71	643.65	1.00%	4
139	141 - MH	139 - MH	SS CL A T2 18	202	18	646.77	645.15	0.80%	50
140	140 - CB	139 - MH	SS CL A T2 12	6	12	645.21	645.15	1.00%	2
141	143 - MH	141 - MH	SS CL A T2 15	250	15	649.27	646.77	1.00%	91
142	142 - CB	141 - MH	SS CL A T2 12	5	12	646.82	646.77	1.00%	2
143	145 - MH	143 - MH	SS CL A T2 12	150	12	652.02	650.52	1.00%	60
144	144 - CB	143 - MH	SS CL A T2 12	5	12	650.57	650.52	1.00%	2
145	147 - MH	102 - FES	STORM SEWERS JKD 30	92	30	656.27	655.74	0.58%	0
146	146 - CB	145 - MH	SS CL A T2 12	5	12	652.07	652.02	1.00%	4
147	149 - MH	147 - MH	SS CL A T2 30	200	30	657.46	656.27	0.60%	152
148	148 - CB	147 - MH	SS CL A T2 12	5	12	656.32	656.27	1.00%	3
149	151 - MH	149 - MH	SS CL A T2 24	250	24	661.55	659.05	1.00%	189
150	150 - CB	149 - MH	SS CL A T2 12	5	12	659.10	659.05	1.00%	4
151	153 - MH	151 - MH	SS CL A T2 24	250	24	664.05	661.55	1.00%	205
152	152 - CB	151 - MH	SS CL A T2 12	5	12	661.60	661.55	1.00%	4
153	155 - MH	153 - MH	SS CL A T2 24	250	24	665.30	664.05	0.50%	196
154	154 - CB	153 - MH	SS CL A T2 12	5	12	664.10	664.05	1.00%	4
155	157 - MH	155 - MH	SS CL A T2 21	200	21	666.55	665.55	0.50%	139

PIPE NO.	UPSTREAM STR. NO.	DOWNSTREAM STR. NO.	DESCRIPTION	LENGTH (FT)	SIZE (IN)	U/S INVERT	D/S INVERT	SLOPE	TBF (CY)
156	156 - CB	155 - MH	SS CL A T2 12	5	12	665.60	665.55	1.00%	4
157	158 - MH	157 - MH	SS CL A T2 18	200	18	667.40	666.80	0.30%	85
158	160 - MH	158 - MH	SS CL A T2 18	190	18	667.97	667.40	0.30%	80
159	159 - CB	158 - MH	SS CL A T2 12	5	12	667.45	667.40	1.00%	2
160	162 - MH	160 - MH	SS CL A T2 18	10	18	667.99	667.97	0.20%	4
161	161 - CB	160 - MH	SS CL A T2 12	5	12	668.02	667.97	1.00%	2
162	164 - MH	162 - MH	SS CL A T2 15	10	15	668.02	667.99	0.30%	4
163	163 - CB	162 - MH	SS CL A T2 12	5	12	668.04	667.99	1.00%	2
164	166 - MH	164 - MH	SS CL A T2 15	140	15	668.44	668.02	0.30%	53
165	165 - CB	164 - MH	SS CL A T2 12	5	12	668.07	668.02	1.00%	2
166	168 - MH	166 - MH	SS CL A T2 15	150	15	668.89	668.44	0.30%	52
167	167 - CB	166 - MH	SS CL A T2 12	5	12	668.49	668.44	1.00%	2
168	170 - MH	170A - MH	SS CL A T2 48	50	48	666.19	666.19	0.00%	54
168A	170B - MH	120 - FES	STORM SEWERS JKD 42	96	42	666.29	666.00	0.30%	0
169	169 - CB	168 - MH	SS CL A T2 12	5	12	668.94	668.89	1.00%	1
170	172 - MH	170 - MH	SS CL A T2 48	150	48	666.74	666.44	0.20%	145
170A	170A - MH	170B - MH	SS CL A T2 48	5	48	666.34	666.29	1.00%	1
171	171 - CB	170 - MH	SS CL A T2 12	5	12	666.49	666.44	1.00%	5
172	174 - MH	172 - MH	SS CL A T2 48	150	48	667.04	666.74	0.20%	148
173	173 - CB	172 - MH	SS CL A T2 12	5	12	666.79	666.74	1.00%	4
174	176 - MH	174 - MH	SS CL A T2 48	150	48	667.34	667.04	0.20%	149
175	175 - CB	174 - MH	SS CL A T2 12	5	12	667.09	667.04	1.00%	5
176	178 - MH	176 - MH	SS CL A T2 48	150	48	667.64	667.34	0.20%	144
177	177 - CB	176 - MH	SS CL A T2 12	5	12	667.39	667.34	1.00%	4
178	180 - MH	178 - MH	SS CL A T2 48	150	48	667.94	667.64	0.20%	143
179	179 - CB	178 - MH	SS CL A T2 12	5	12	667.69	667.64	1.00%	4
180	182 - MH	180 - MH	SS CL A T2 48	150	48	668.24	667.94	0.20%	142
181	181 - CB	180 - MH	SS CL A T2 12	5	12	667.99	667.94	1.00%	4
182	184 - MH	182 - MH	SS CL A T2 36	150	36	668.54	668.24	0.20%	151
183	183 - CB	182 - MH	SS CL A T2 12	5	12	668.29	668.24	1.00%	4
184	186 - MH	184 - MH	SS CL A T2 36	150	36	669.04	668.54	0.33%	146
185	185 - CB	184 - MH	SS CL A T2 12	5	12	668.59	668.54	1.00%	4
186	188 - MH	186 - MH	SS CL A T2 36	150	36	669.34	669.04	0.20%	139
187	187 - CB	186 - MH	SS CL A T2 12	5	12	669.09	669.04	1.00%	4
188	190 - MH	188 - MH	SS CL A T2 36	150	36	669.64	669.34	0.20%	141
189	189 - CB	188 - MH	SS CL A T2 12	5	12	669.39	669.34	1.00%	4
190	192 - MH	190 - MH	SS CL A T2 36	150	36	669.94	669.64	0.20%	142
191	191 - CB	190 - MH	SS CL A T2 12	5	12	669.69	669.64	1.00%	4
192	194 - MH	192 - MH	SS CL A T2 36	150	36	670.24	669.94	0.20%	137
193	193 - CB	192 - MH	SS CL A T2 12	5	12	669.99	669.94	1.00%	4
194	196 - MH	194 - MH	SS CL A T2 36	150	36	670.54	670.24	0.20%	138
195	195 - CB	194 - MH	SS CL A T2 12	5	12	670.29	670.24	1.00%	4
196	198 - MH	196 - MH	SS CL A T2 36	100	36	670.74	670.54	0.20%	91
197	197 - CB	196 - MH	SS CL A T2 12	5	12	670.59	670.54	1.00%	4
198	200 - MH	198 - MH	SS CL A T2 36	200	36	671.14	670.74	0.20%	174
199	199 - CB	198 - MH	SS CL A T2 12	5	12	670.79	670.74	1.00%	4
200	202 - MH	200 - MH	SS CL A T2 30	90	30	671.32	671.14	0.20%	81
201	201 - CB	200 - MH	SS CL A T2 12	5	12	671.19	671.14	1.00%	4
202	202A - MH	202 - MH	SS CL A T2 30	45	30	671.41	671.32	0.20%	42
202A	204 - MH	202A - MH	SS CL A T2 30	65	30	671.54	671.41	0.20%	59
203	203 - CB	202 - MH	SS CL A T2 12	5	12	671.37	671.32	1.00%	4
204	206 - MH	204 - MH	SS CL A T2 30	250	30	672.04	671.54	0.20%	218
205	205 - CB	204 - MH	SS CL A T2 12	5	12	671.59	671.54	1.00%	4
206	208 - MH	206 - MH	SS CL A T2 30	175	30	673.37	673.02	0.20%	121
207	207 - CB	206 - MH	SS CL A T2 12	5	12	673.07	673.02	1.00%	3
208	208B - MH	208A - MH	SS CL A T2 30	105	30	673.63	673.41	0.21%	87
208A	208A - MH	208 - MH	SS CL A T2 30	22	30	673.41	673.37	0.18%	17
208B	210 - MH	208B - MH	SS CL A T2 30	25	30	673.67	673.63	0.16%	21
209	209 - CB	208 - MH	SS CL A T2 12	8	12	673.45	673.37	1.00%	6

H:\PROJECTS\339A_2_West\Design\Drawings\339A-drain_schem03.dgn

ENGINEERING CONSULTANT  Clorba Group, Inc. CONSULTING ENGINEERS <small>657 North Cambridge Avenue, Suite 402 Chicago, Illinois 60642 Tel: 773.775.4008 Fax: 773.775.4014 Email: clorba@clorba.com</small>	USER NAME = dmorris PLOT SCALE = 1:8000 / IN. PLOT DATE = 12/6/2010	DESIGNED - CRC DRAWN - JMK CHECKED - MRJ DATE - 10/27/2010	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. 80 FROM US 30 TO NS RAILROAD DRAINAGE SCHEDULES	SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE. 80 SECTION 99-5-Y COUNTY WILL
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