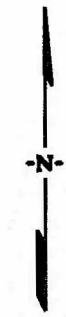




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**LEGEND**

- FLOODING DURING 10, 25, AND 100 YEAR STORM EVENTS
- FLOODING DURING 25 AND 100 YEAR STORM EVENTS
- FLOODING DURING 100 YEAR STORM EVENT ONLY



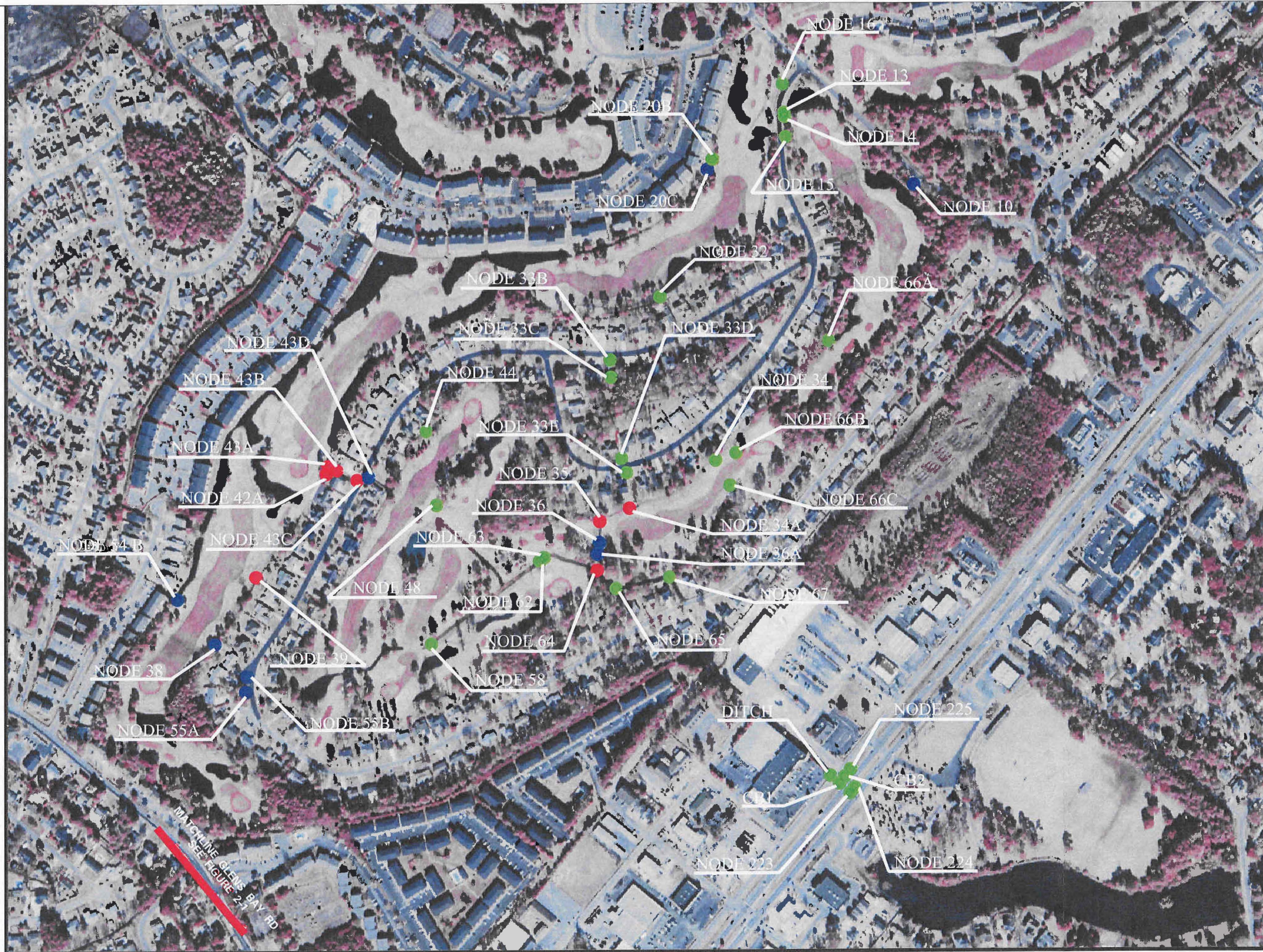
Title:  
**EXISTING MODEL AS OF OCTOBER 2007**

Scale:  
**SCALE: 1"=400'**

Project Name:  
**REVISION OF CAROPINES AND DEERFIELD STORM DRAINAGE OUTFALL STUDY**

Drawing Name:  
**FIGURE 2-2**

Drawing Description:  
**FLOODED AREAS TO NORTH EAST OF GLENS BAY RD.**



Caropines Deerfield - Existing Condition Model (October 2007)

10-Year Return Period Storm (10 Yr – 24 Hour Precipitation = 6.7 inches)

Current Directory: C:\XPS-VE~1.6  
Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE  
Input File : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\10 Year.XP

```
*=====*
```

xpswmm
Storm and Wastewater Management Model
Interface Version: 10.61
Engine Version: 10.6.1.0

```
*=====*
```

Developed by

XP Software

```
*=====*
```

XP Software	April, 2008
Data File Version --->	12.0
Serial Number: 42-1060-2154	
The LPA Group	

```
*=====*
```

Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE

```
*=====*
```

Input and Output file names by Layer
--------------------------------------

```
*=====*
```

Input File to Layer #	1 JIN.US
Output File to Layer #	1 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
Input File to Layer #	2 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
Output File to Layer #	2 JOT.US

\*\*\*\*\*  
 | Table E1 - Conduit Data |  
 \*\*\*\*\*

Inp Num	Conduit Name	Length (ft)	Conduit Class	Area (ft^2)	Manning Coef.	Max Width (ft)	Trapezoid		
							Depth (ft)	Side Slopes	
1	Link1	65.9500	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
2	Link4	62.9800	Trapezoid	90.0000	0.0350	15.0000	3.0000	5.0000	5.0000
3	Link5	76.3200	Circular	1.7671	0.0120	1.5000	1.5000		
4	Link6	84.0400	Trapezoid	16.0000	0.0350	3.0000	2.0000	2.5000	2.5000
5	Link7	98.0500	Circular	1.7671	0.0120	1.5000	1.5000		
6	Link9	28.7000	Trapezoid	14.0000	0.0350	5.0000	2.0000	1.0000	1.0000
7	Link10	486.3000	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
8	Link12	21.7000	Trapezoid	2.0000	0.0350	1.0000	1.0000	1.0000	1.0000
9	Link13	18.7000	Circular	1.7671	0.0120	1.5000	1.5000		
10	Link14	86.2400	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
11	Link15	47.4700	Circular	1.7671	0.0120	1.5000	1.5000		
12	Link19	25.9000	Circular	1.7671	0.0270	1.5000	1.5000		
13	Link16	130.8000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
14	Link17	13.3300	Circular	1.7671	0.0120	1.5000	1.5000		
15	Link18	95.5000	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
16	Link11	53.9000	Circular	1.7671	0.0120	1.5000	1.5000		
17	Link20C	332.6900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
18	Link22	83.4000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
19	Link23	107.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
20	Link24	144.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
21	Link25	17.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
22	Link26	50.0100	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
23	Link27	352.0000	Circular	3.1416	0.0120	2.0000	2.0000		
24	Link30	162.3900	Circular	3.1416	0.0120	2.0000	2.0000		
25	Link31	20.9400	Circular	1.2272	0.0240	1.2500	1.2500		
26	Link34A	142.1600	Trapezoid	30.7500	0.0350	7.0000	1.5000	9.0000	9.0000
27	Link35	89.9000	Trapezoid	88.0000	0.0350	20.0000	2.0000	12.0000	12.0000
28	Link37	357.0100	Trapezoid	18.0000	0.0350	3.0000	1.0000	15.0000	15.0000
29	Link38	310.9000	Trapezoid	36.6800	0.0350	5.0000	2.0000	6.6700	6.6700
30	Link39	179.7000	Circular	4.9087	0.0120	2.5000	2.5000		
31	Link40	25.0000	Circular	1.7671	0.0120	1.5000	1.5000		
32	Link44	295.4000	Trapezoid	4.0000	0.0350	3.0000	1.0000	1.0000	1.0000
33	Link45	321.8000	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
34	Link46	207.0100	Circular	4.9087	0.0120	2.5000	2.5000		
35	Link47	115.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
36	Link48	61.6400	Circular	0.1963	0.0090	0.5000	0.5000		
37	Link49	27.0000	Circular	4.9087	0.0120	2.5000	2.5000		
38	Link50	67.6000	Circular	1.2272	0.0280	1.2500	1.2500		
39	Link51	401.0300	Trapezoid	184.0000	0.0350	6.0000	4.0000	10.0000	10.0000
40	Link52	42.3000	Circular	1.2272	0.0280	1.2500	1.2500		
41	Link53	88.8000	Trapezoid	26.0000	0.0350	25.0000	1.0000	1.0000	1.0000
42	Link54	356.7000	Circular	1.7671	0.0280	1.5000	1.5000		
43	Link55D	54.0300	Circular	4.9087	0.0120	2.5000	2.5000		
44	Link58	430.3600	Trapezoid	208.0000	0.0350	16.0000	4.0000	9.0000	9.0000
45	Link59	50.2000	Circular	1.2272	0.0280	1.2500	1.2500		
46	Link60	35.0200	Circular	1.2272	0.0280	1.2500	1.2500		
47	Link63	238.2000	Trapezoid	58.0000	0.0350	15.0000	2.0000	7.0000	7.0000
48	Link36	50.6500	Circular	4.9087	0.0120	2.5000	2.5000		
49	Link64	110.0000	Trapezoid	44.0000	0.0350	15.0000	2.0000	3.5000	3.5000
50	Link65	227.5600	Trapezoid	94.0000	0.0350	17.0000	2.0000	15.0000	15.0000
51	Link67	112.4000	Trapezoid	40.0000	0.0350	6.0000	4.0000	1.0000	1.0000
52	Link20A	199.9000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
53	Link36A	66.5000	Trapezoid	13.0000	0.0350	8.0000	1.0000	5.0000	5.0000
54	Link57A	40.5400	Circular	1.2272	0.0280	1.2500	1.2500		
55	Link57B	54.8100	Circular	1.2272	0.0280	1.2500	1.2500		
56	Link56	87.9200	Circular	4.9087	0.0120	2.5000	2.5000		
57	Link32A	251.5700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
58	Link32	244.6700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
59	Link66B	190.6000	Circular	1.7671	0.0120	1.5000	1.5000		
60	Link66A	654.5200	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
61	Link66C	435.0600	Trapezoid	129.6000	0.0350	10.0000	4.0000	5.6000	5.6000
62	XS #1A	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
63	XS #2	431.0000	Natural	89.7060	0.0300	46.3900	4.9500		
64	XS #3	191.0000	Natural	81.1062	0.0300	45.0300	4.9300		
65	XS #4	130.0000	Natural	99.8750	0.0300	57.7600	5.6200		
66	XS #5	1089.0000	Natural	130.1118	0.0300	44.4000	7.2000		
67	XS #6	586.0000	Natural	161.1250	0.0300	60.6000	6.3400		
68	XS #7	1608.0000	Natural	181.5410	0.0300	41.0700	9.1100		
69	XS #8	761.0000	Natural	172.3457	0.0300	51.3000	8.7700		

70	XS #9	75.0000	Natural	124.1935	0.0300	37.8100	6.9000		
71	XS #10	387.4000	Natural	170.1000	0.0300	44.0800	7.4600		
72	STUB	4.0000	Circular	28.2743	0.0130	6.0000	6.0000		
73	FRONTAGE	50.0000	Circular	28.2743	0.0130	6.0000	6.0000		
74	HWY 17 S	60.0000	Circular	28.2743	0.0130	6.0000	6.0000		
75	HWY 17 N	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
76	PARKINGLOT	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
77	TO LAKE	172.0000	Circular	28.2743	0.0130	6.0000	6.0000		
78	61	350.0000	Natural	49.5000	0.0300	50.0000	3.5000		
79	62	1300.0000	Natural	49.2000	0.0350	50.0000	3.3000		
80	XS #3a	66.0000	Natural	87.0000	0.0300	67.0000	4.9000		
81	XS MALLARD	158.0000	Natural	40.3050	0.0300	25.0000	4.2000		
82	80	150.0000	Natural	18.0000	0.0300	39.0000	2.5000		
83	8x4 Box	68.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
84	Clvt 10	42.0000	Rectangle	40.5000	0.0150	13.5000	3.0000		
85	Palmt0 Lk	700.0000	Natural	172.0000	0.0500	56.0000	4.5000		
86	Clvt 7	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
87	Chan A	270.0000	Natural	54.5525	0.0500	23.9500	4.9000		
88	Clvt 6	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
89	Chan B	210.0000	Natural	58.3500	0.0500	20.0000	5.3000		
90	Clvt 5	42.0000	Circular	12.5664	0.0130	4.0000	4.0000		
91	Chan C	400.0000	Natural	43.5000	0.0500	28.0000	4.0000		
92	Chan D	150.0000	Trapezoid	81.2500	0.0350	25.0000	3.2500	0.0000	0.0000
93	Oak Clvt	35.0000	Rectangle	24.0000	0.0130	8.0000	3.0000		
94	Chan E	150.0000	Trapezoid	106.1900	0.0300	25.0000	3.7000	1.0000	1.0000
95	Clvt2 Out	40.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
96	Clvt1 Out	42.0000	Rectangle	28.0000	0.0130	7.0000	4.0000		
97	Lined Ch	75.0000	Natural	92.2250	0.0250	33.6000	4.3600		
98	Link20B	49.0900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
99	Link20	5.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
100	Link33	128.5700	Circular	4.9087	0.0120	2.5000	2.5000		
101	Link33A	54.2500	Circular	4.9087	0.0120	2.5000	2.5000		
102	Link33C	351.0900	Trapezoid	60.0000	0.0350	5.0000	3.0000	5.0000	5.0000
103	Link33D	64.2600	Circular	4.9087	0.0120	2.5000	2.5000		
104	Link33E	153.1800	Circular	4.9087	0.0120	2.5000	2.5000		
105	Link33B	75.6500	Circular	4.9087	0.0120	2.5000	2.5000		
106	Link34	440.8000	Trapezoid	54.0000	0.0350	7.0000	2.0000	10.0000	10.0000
107	Link54B	602.9000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
108	Link54A	5.0000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
109	Link55A	66.3400	Trapezoid	10.0000	0.0350	5.0000	1.0000	5.0000	5.0000
110	Link55B	96.7000	Circular	1.7671	0.0280	1.5000	1.5000		
111	Link55C	144.9500	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
112	Link43A	41.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
113	Link42A	48.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
114	Link42	139.7000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
115	Link43B	96.9000	Trapezoid	25.0000	0.0350	20.0000	1.0000	5.0000	5.0000
116	Link43	79.2000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
117	Link43C	52.0000	Circular	1.7671	0.0120	1.5000	1.5000		
118	Link43D	114.6000	Circular	1.7671	0.0120	1.5000	1.5000		
119	Link39A	53.8000	Circular	4.9087	0.0120	2.5000	2.5000		
120	Link39B	116.5000	Circular	4.9087	0.0120	2.5000	2.5000		
121	XS #1B	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
122	ToLake	534.4790	Natural	52.6000	0.0300	50.0000	3.4000		
123	Link224	83.8200	Circular	4.9087	0.0270	2.5000	2.5000		
124	Link225	65.1595	Circular	7.0686	0.0110	3.0000	3.0000		
125	18"RCP	9.0000	Circular	1.7671	0.0120	1.5000	1.5000		
126	36"Stub	8.0000	Circular	7.0686	0.0120	3.0000	3.0000		
127	18"RCP2	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
128	18"RCP1	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
129	12"RCP1	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
130	12"RCP2	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
131	24"RCP 1	25.0000	Circular	3.1416	0.0120	2.0000	2.0000		
132	Link62	24.2000	Circular	4.9087	0.0120	2.5000	2.5000		
133	Link61	176.3000	Trapezoid	172.0000	0.0350	15.0000	4.0000	7.0000	7.0000
134	Link2	65.0700	Trapezoid	33.7500	0.0350	15.0000	1.5000	5.0000	5.0000
135	Link3	73.3400	Circular	1.7671	0.0120	1.5000	1.5000		
136	Link66	111.7000	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
137	Link69	153.2000	Circular	15.9043	0.0240	4.5000	4.5000		
138	24" RCP 2	20.0000	Circular	3.1416	0.0120	2.0000	2.0000		
139	48" RCP	72.0000	Circular	12.5664	0.0120	4.0000	4.0000		
140	8.1	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
141	8.2	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
142	29.1	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
143	29.2	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
144	28.1	44.9100	Circular	0.3494	0.0110	0.6670	0.6670		
145	28.2	38.7400	Circular	0.3494	0.0110	0.6670	0.6670		
146	28.3	41.2000	Circular	0.1963	0.0110	0.5000	0.5000		

147	41.1	50.2300	Circular	1.7671	0.0120	1.5000	1.5000
148	41.2	50.2300	Circular	1.7671	0.0240	1.5000	1.5000
149	Spanish1	45.0000	Circular	4.9087	0.0120	2.5000	2.5000
150	IndianDr1	42.0000	Circular	7.0686	0.0130	3.0000	3.0000
151	2@42" RCP	64.0000	Circular	9.6211	0.0130	3.5000	3.5000
152	Driveway1	59.0000	Circular	28.2743	0.0270	6.0000	6.0000
153	2@24"	40.0000	Circular	3.1416	0.0130	2.0000	2.0000
154	Seaweed.1	48.4149	Circular	4.9087	0.0120	2.5000	2.5000
155	68.1	52.4000	Circular	12.5664	0.0120	4.0000	4.0000
156	68.2	52.4000	Circular	7.0686	0.0120	3.0000	3.0000
Total length of all conduits ....				25067.8434 feet			

\*=====  
 | Table E15 - SPREADSHEET INFO LIST |  
 | Conduit Flow and Junction Depth Information for use in |  
 | spreadsheets. The maximum values in this table are the |  
 | true maximum values because they sample every time step. |  
 | The values in the review results may only be the |  
 | maximum of a subset of all the time steps in the run. |  
 | Note: These flows are only the flows in a single barrel. |  
 \*=====

Conduit Name	Maximum Flow (cfs)	Total Flow (ft^3)	Maximum Velocity (ft/s)	Maximum Volume (ft^3)	##	Junction Name	Invert Elevation (ft)	Maximum Elevation (ft)
Link1	0.9574	17788.1281	0.9355	2.4896	##	Node1	32.0000	32.1071
Link4	1.1430	21138.9989	-0.0569	1690.9659	##	Node2	31.0000	31.0491
Link5	0.4748	3661.9047	4.0063	0.4374	##	Node3	27.0000	28.2671
Link6	0.6080	4495.5522	1.2210	160.9394	##	Node4	27.0000	28.2604
Link7	1.3099	24687.4355	3.7139	40.5410	##	Node7	27.0000	28.2604
Link9	-0.5917	-2032.7554	-0.3465	310.3533	##	Node5	31.0000	31.1841
Link10	1.3641	5824.3171	0.2181	9223.2412	##	Node6	29.0000	29.1221
Link12	-1.7127	-10241.2040	-1.8633	43.4000	##	Node8	25.0000	26.4963
Link13	1.7161	10333.2935	6.7984	24.4508	##	Node20	26.0000	26.2897
Link14	-0.9778	-6767.4706	-0.6201	252.2544	##	Node9	24.0000	25.6309
Link15	-0.9763	-6939.2309	-1.9624	33.6020	##	Node10	24.0000	25.6308
Link19	-0.0306	-544.8756	-0.6516	2.9671	##	Node12	24.0000	25.6312
Link16	0.8705	3904.9906	0.4237	250.0999	##	Node14	25.0000	25.6321
Link17	0.8530	3908.7721	3.1484	2.9405	##	Node15	25.0000	25.6315
Link18	0.9728	6422.3012	0.4601	132.0594	##	Node19	25.0000	25.6332
Link11	0.7058	4367.9549	4.6365	49.3087	##	Node16	26.0000	26.3888
Link20C	5.9422	85692.6719	1.2656	3132.4810	##	Node17	26.0000	26.3263
Link22	1.5993	26156.6458	1.7892	13.5125	##	Node18	26.0000	26.2227
Link23	2.4996	46469.8683	1.6472	53.5902	##	Node11	25.5000	25.6989
Link24	4.4291	79179.5342	2.1019	276.2205	##	Node20B	25.0000	25.5070
Link25	6.1142	126245.6116	-1.1253	105.0000	##	Node30	24.0000	25.4732
Link26	2.3094	28494.4194	1.9711	48.6746	##	Node22	31.0000	31.1635
Link27	10.4415	320317.4434	4.6748	777.5917	##	Node23	29.0000	29.2844
Link30	10.5932	469679.4657	5.1117	487.0803	##	Node24	28.0000	28.3151
Link31	10.6023	543878.8627	8.5582	26.4585	##	Node25	25.0000	26.3724
Link34A	-19.4901	-775678.830	-0.6338	4371.4200	##	Node27	25.0000	26.3605
Link35	19.5802	822127.1539	0.2427	7911.2000	##	Node26	30.0000	30.1328
Link37	5.5766	50238.7824	0.9037	6409.6733	##	Node29	23.0000	25.4756
Link38	3.8062	42327.3234	0.5155	11379.8919	##	Node28	23.0000	25.4816
Link39	-4.8855	-67581.8413	2.7702	705.4729	##	Node31	23.0000	25.2953
Link40	21.9575	314225.4255	17.8092	44.7439	##	Node35	19.0000	21.9651
Link44	6.6055	47034.3214	1.6514	1181.6000	##	Node34	21.0000	21.9839
Link45	6.9923	121057.0856	1.9462	1368.1126	##	Node36	19.0000	21.9641
Link46	19.2281	1022710.475	5.0255	659.3697	##	Node37	24.0000	24.9134
Link47	1.2262	64157.8404	0.3814	690.0000	##	Node39	21.0000	24.9005
Link48	1.1869	64166.2476	5.9980	12.2140	##	Node38	23.0000	24.9012
Link49	20.4337	1092464.395	11.6383	86.6347	##	Node40	25.0000	27.5764
Link50	1.0994	19081.7303	2.6220	59.7325	##	Node41	23.0000	27.5148
Link51	23.8345	1137178.138	1.0317	30828.7785	##	Node42	22.0000	26.9331
Link52	2.2518	34722.2176	1.8240	54.4184	##	Node46	21.0000	22.9648
Link53	1.5490	43630.8467	0.3259	2308.8000	##	Node43	23.0000	26.8359
Link54	4.3400	207361.6962	2.4374	583.7249	##	Node44	22.0000	23.2839
Link55D	11.2908	286241.6539	8.0177	132.0969	##	Node49	21.0000	22.1991
Link58	26.8879	385981.8116	0.2868	54435.5902	##	Node47	22.0000	23.3449

Link59	3.3532	33521.1120	2.7639	48.5094	##	Node48	22.0000	23.3418
Link60	3.6322	43561.8035	5.2220	35.0439	##	Node51	20.0000	21.9860
Link63	31.0274	1593681.847	0.5928	13815.6000	##	Node50	22.0000	22.3953
Link36	18.7091	822204.7184	4.1651	260.6423	##	Node61	19.0000	21.9638
Link64	47.8042	2425920.978	1.1294	4840.0000	##	Node52	24.0000	27.6021
Link65	48.5676	2460087.601	0.7785	21390.6400	##	Node53	24.0000	27.5938
Link67	55.3337	2715764.957	1.7189	4139.6987	##	Node54	25.0000	27.5937
Link20A	1.6618	48750.8993	1.1291	200.1676	##	Node55D	21.0000	21.8070
Link36A	18.7624	827580.9431	1.4433	864.5000	##	Node56	20.0000	21.9723
Link57A	1.3676	10540.3587	1.6820	30.1372	##	Node58	19.0000	21.9644
Link57B	3.1565	26680.0819	4.5249	53.0882	##	Node59	22.0000	23.4915
Link56	17.8571	333634.9802	6.1984	426.3700	##	Node60	22.0000	22.6774
Link32A	5.1028	29062.3264	0.7332	1755.2999	##	Node63	19.0000	21.8692
Link32	10.8525	571956.8896	1.5647	1707.1560	##	Node64	19.0000	21.8464
Link66B	7.3937	126258.7202	4.8107	340.8441	##	Node65	19.0000	21.8115
Link66A	10.6131	126540.8329	0.8372	13954.7369	##	Node67	18.0000	21.7908
Link66C	9.0756	166099.4733	0.1123	51503.3248	##	Node66	21.0000	22.1895
XS #1A	109.5181	2462568.023	3.1216	27250.6845	##	125	15.5000	21.7489
XS #2	97.0321	4593996.719	1.1183	38480.7726	##	Node36A	19.0000	21.9163
XS #3	93.8576	4594644.545	1.1572	17004.0144	##	Node57A	22.0000	22.8249
XS #4	95.4985	5363279.519	1.2401	12886.7885	##	Node57B	22.0000	22.6487
XS #5	91.8290	5357604.587	1.9036	57486.5218	##	Node32	22.0000	23.4100
XS #6	87.9098	5350633.759	1.3602	44375.8241	##	Node32A	22.0000	23.0727
XS #7	85.4073	5339542.718	1.6164	86891.9932	##	Node33	22.0000	22.9943
XS #8	83.7691	5333012.822	1.5848	43167.7660	##	Node66B	20.0000	22.1579
XS #9	437.2450	-8021110.09	19.8256	6645.1515	##	Node66A	20.0000	22.1857
XS #10	128.0444	8022804.898	3.4371	29172.1765	##	Node66C	18.0000	21.7909
STUB	295.1125	10162872.78	14.7641	83.4248	##	2	18.4100	22.7202
FRONTAGE	347.6536	10411218.27	20.8314	1198.5528	##	4	18.5300	25.0394
HWY 17 S	353.8789	10507077.72	12.7135	1746.6673	##	8	18.3000	24.8389
HWY 17 N	361.1510	10619827.56	12.2750	2011.9978	##	15	18.2000	24.8143
PARKINGLOT	-391.3674	-11055148.0	-13.7589	2015.5647	##	17	18.1000	22.7332
TO LAKE	-391.3869	-11054335.6	-14.5702	5098.1932	##	19	18.0000	22.3273
61	138.9925	1054109.545	2.8079	17302.1384	##	25	17.2000	21.5028
62	95.0112	1045077.043	2.1678	63939.2373	##	30	16.2000	21.4342
XS #3a	99.4519	5363909.359	1.2710	5666.6061	##	32	16.3000	19.7809
XS MALLARD	64.2663	769015.0345	5.0259	6293.1710	##	34	14.3200	19.7616
80	-34.6293	-347753.041	-1.9238	2695.2166	##	36	14.3200	18.3600
8x4 Box	288.9929	12006107.60	10.8550	1808.8292	##	38	11.9200	17.8634
Clvt 10	-87.2801	-2512888.49	-3.6829	1231.9127	##	41	10.9400	17.5276
Palmt0 Lk	28.2353	2502128.297	0.9706	39193.1939	##	45	9.1200	17.0942
Clvt 7	21.3158	2488321.406	2.5717	353.3549	##	48	9.6000	16.5269
Chan A	21.3138	2487021.464	1.2374	4649.1728	##	52	22.6000	25.6425
Clvt 6	21.3150	2485967.036	3.2411	270.7431	##	55	22.1000	26.9420
Chan B	21.3178	2485327.024	1.6398	2731.1171	##	56	22.5000	27.8416
Clvt 5	21.3249	2484930.214	2.6505	341.4418	##	63	18.4000	24.8631
Chan C	-21.3424	-2484158.27	-1.2709	6737.6293	##	64	20.4100	24.8637
Chan D	68.8919	2930341.608	1.6865	6675.7461	##	68	20.9600	24.8688
Oak Clvt	34.4514	2930376.889	2.2687	1103.6777	##	76	19.0000	21.7275
Chan E	68.9156	2930383.673	1.3218	8102.2972	##	78	21.5000	24.1644
Clvt2 Out	75.3940	6409988.485	2.6959	2235.6741	##	Lk-ElzbtH	7.6700	11.1069
Clvt1 Out	-320.5950	-10539015.4	-11.4429	1176.7868	##	Dgwood Lk	3.9500	8.0140
Lined Ch	320.5955	10539045.99	6.1344	3917.8956	##	44b	6.2300	8.0070
Link20B	1.1942	7237.0580	0.3003	261.4949	##	46b	5.4600	7.9463
Link20	1.5934	44935.5391	1.0482	7.3602	##	48b	5.1700	7.8736
Link33	12.9143	600968.7695	7.1616	236.9108	##	50b	5.1700	7.5819
Link33A	13.0255	603284.4938	8.9555	183.8091	##	52b	5.3500	7.4381
Link33C	21.7189	710525.2891	0.7819	21065.1898	##	54b	4.5200	6.9622

Link33D	19.0981	710234.3115	3.8823	330.6786	##	56b	4.3800	6.8710
Link33E	21.1487	732105.4379	4.2984	783.3264	##	Myrtle Lk	4.2000	6.2024
Link33B	13.4676	609642.0347	5.1010	388.4476	##	60b	2.5700	6.0665
Link34	5.4920	52124.5264	0.6319	21026.6883	##	Holly Lk	4.7500	6.3723
Link54B	-18.3675	-219289.227	-0.8746	12660.9000	##	63b	4.3300	6.2731
Link54A	-18.9308	-252194.955	-0.9147	105.0000	##	65b	4.2400	6.2389
Link55A	4.3601	210278.1901	0.4360	663.4000	##	69b	2.5100	6.0000
Link55B	4.3570	210286.5942	2.6167	83.4653	##	71b	3.4200	6.5258
Link55C	4.3570	210280.6946	1.5720	255.4167	##	73b	5.3000	8.6286
Link43A	8.6785	-15906.4187	1.5595	830.0000	##	38b	3.2300	7.7653
Link42A	20.4533	830653.5952	1.5978	970.0000	##	Channel	3.2600	6.0000
Link42	-20.6533	-825816.299	-1.0327	2794.0000	##	Node20C	25.0000	25.5070
Link43B	17.0070	847012.3176	0.9931	2422.5000	##	Node20A	26.0000	26.2681
Link43	-8.1210	12155.0463	-0.7967	1584.0000	##	Node33A	21.0000	22.0314
Link43C	16.7622	847154.6722	9.3938	96.2794	##	Node33B	19.6000	22.2041
Link43D	16.8034	854561.7936	9.6982	147.6888	##	Node33E	18.2500	22.1115
Link39A	4.8882	67388.1439	3.3749	69.6153	##	Node33D	18.5300	22.1627
Link39B	6.9916	120983.1934	6.1866	98.0531	##	Node34A	17.6900	21.9833
XS #1B	30.9945	2061336.583	2.0812	5655.8362	##	Node33C	19.1700	22.1670
ToLake	-36.9687	-1485707.15	1.6915	28094.7467	##	Node54B	25.0000	27.5765
Link224	-39.0555	-535944.302	-7.9492	416.4678	##	Node55A	23.0000	24.8147
Link225	133.2880	745297.3717	22.2514	390.3758	##	Node55B	23.0000	24.8025
18"RCP	35.9560	166531.4516	35.9591	10.3978	##	Node55C	23.0000	23.2322
36"Stub	17.6008	81911.1384	13.5044	13.0287	##	Node42A	25.0000	26.8603
18"RCP2	6.5230	53174.2416	8.3830	26.8856	##	Node43A	24.0000	26.8359
18"RCP1	5.5231	42708.6203	7.8316	26.8856	##	Node43B	25.0000	26.8358
12"RCP1	7.0744	54918.9079	20.3005	8.7410	##	Node43C	24.0000	26.8048
12"RCP2	6.8144	57814.4103	20.4104	8.5803	##	Node43D	24.0000	25.6982
24"RCP 1	6.1475	51317.8688	9.0276	78.6281	##	Node39A	23.0000	24.8626
Link62	30.7340	1583299.890	7.0420	124.5319	##	Node39B	24.0000	24.6995
Link61	31.0714	1583208.166	0.5882	18662.0190	##	1B	20.9000	22.8990
Link2	1.0455	20213.1652	0.3096	221.8204	##	1A	20.9000	25.5463
Link3	1.1091	20743.0718	-1.0584	116.5034	##	53A	20.9044	25.6293
Link66	2.4556	41114.6971	0.4122	1554.0423	##	53B	20.9206	25.6179
Link69	55.3833	2715065.434	4.4069	2046.3466	##	Node214	26.0000	28.3715
24" RCP 2	6.2779	51326.4478	5.3295	65.8678	##	Node215	22.0000	29.2887
48" RCP	17.5901	81918.2364	6.2752	491.2807	##	Ditch	20.0000	20.8027
8.1	-0.7765	-20742.3953	3.0363	15.2337	##	Node217	17.0600	18.0058
8.2	-0.7765	-20742.3953	3.0363	15.2337	##	Node219	17.5000	18.2423
29.1	4.5101	-16922.2238	10.7368	14.0638	##	Node220	15.0000	17.8801
29.2	4.5101	-16922.2238	10.7368	14.0638	##	CB 2	15.0000	17.8762
28.1	-1.4744	5887.5008	-4.1809	16.4505	##	CB 1	15.0000	17.8750
28.2	-1.6023	6390.8765	-4.5436	14.1905	##	Node223	18.0000	18.5495
28.3	-0.7052	2595.7031	-3.5540	8.4805	##	Node224	18.0000	18.5094
41.1	15.3630	569372.4312	8.6009	90.0571	##	Node225	16.0000	17.8816
41.2	7.6802	284131.4038	4.2997	90.0571	##	Node 13	24.0000	25.6319
Spanish1	91.7798	-1607490.57	19.2907	231.5676	##	Node45	23.0000	23.7279
IndianDr1	93.9712	5362564.931	13.2004	311.2269	##	Node62	19.0000	21.9605
2@42" RCP	43.2593	5347821.493	4.4080	1209.6723	##	1	21.1000	25.5607
Driveway1	-127.9590	-8023967.21	-5.2748	1046.6641	##	123	15.3000	21.7232
2@24"	32.3685	768227.8627	10.2509	256.7267	##	6	18.4000	24.9120
Seaweed.1	-21.3339	-1025970.22	5.1973	474.3810	##	21	17.9000	22.2208
68.1	38.1453	1856546.616	2.9292	690.2980	##	23	17.5000	21.9480
68.2	17.2521	859034.8188	2.4313	388.2926	##	27	15.6000	21.3544
WEIR#1	0.0000	0.0000	0.0000	0.0000	##			
WEIR#2	0.0000	0.0000	0.0000	0.0000	##			
WEIR#3	0.0000	0.0000	0.0000	0.0000	##			
WEIR#4	0.0000	0.0000	0.0000	0.0000	##			



WEIR#5	0.0000	0.0000	0.0000	0.0000	##
WEIR#8	-19.1058	-241490.026	0.0000	0.0000	##
WEIR#9	-15.4353	-106426.952	0.0000	0.0000	##
WEIR#10	14.8924	107655.5568	0.0000	0.0000	##
WEIR#11	73.3958	1721343.273	0.0000	0.0000	##
WEIR#12	0.0000	0.0000	0.0000	0.0000	##
WEIR#13	200.7045	10177499.53	0.0000	0.0000	##
WEIR#14	320.5920	10538038.37	0.0000	0.0000	##
WEIR#15	0.0000	0.0000	0.0000	0.0000	##
WEIR#16	150.7878	6409989.530	0.0000	0.0000	##
WEIR#17	0.0000	0.0000	0.0000	0.0000	##
WeirA	12.6738	996556.6535	0.0000	0.0000	##
WeirB	18.4088	1066632.634	0.0000	0.0000	##
Weir1	11.3040	473974.0583	0.0000	0.0000	##
WEIR#6	13.4247	9510.1628	0.0000	0.0000	##
WEIR#7	-43.7719	746344.7441	0.0000	0.0000	##
FREE # 1	150.7880	6410020.167	0.0000	0.0000	##
FREE # 2	320.5955	10539123.12	0.0000	0.0000	##

#####  
# Table E16. New Conduit Information Section #  
# Conduit Invert (IE) Elevation and Conduit #  
# Maximum Water Surface (WS) Elevations #  
#####

Conduit Name	Upstream Node	Downstream Node	IE Up	IE Dn	WS Up	WS Dn	Conduit Type
Link1	Node1	Node2	32.0000	31.0000	32.1071	31.0491	Trapezoid
Link4	Node4	Node7	27.0000	27.0000	28.2604	28.2604	Trapezoid
Link5	Node5	Node6	31.0000	29.0000	31.1841	29.1221	Circular
Link6	Node6	Node7	29.0000	27.0000	29.1221	28.2604	Trapezoid
Link7	Node7	Node8	28.0000	25.0000	28.2604	26.4963	Circular
Link9	Node9	Node10	24.0000	24.0000	25.6309	25.6308	Trapezoid
Link10	Node10	Node12	24.0000	24.0000	25.6308	25.6312	Trapezoid
Link12	Node12	Node 13	24.0000	24.0000	25.6312	25.6319	Trapezoid
Link13	Node14	Node 13	25.0000	24.0000	25.6321	25.6319	Circular
Link14	Node14	Node15	25.0000	25.0000	25.6321	25.6315	Trapezoid
Link15	Node15	Node19	25.0000	25.0000	25.6315	25.6332	Circular
Link19	Node19	Node20	26.0000	26.0000	26.0628	26.2897	Circular
Link16	Node16	Node17	26.0000	26.0000	26.3888	26.3263	Trapezoid
Link17	Node17	Node18	26.0000	26.0000	26.3263	26.2227	Circular
Link18	Node18	Node19	26.0000	26.0000	26.2227	26.0648	Trapezoid
Link11	Node11	Node12	25.5000	24.0000	25.6989	25.6312	Circular
Link20C	Node20C	Node30	25.0000	24.0000	25.5070	25.4732	Trapezoid
Link22	Node22	Node23	31.0000	29.0000	31.1635	29.2844	Trapezoid
Link23	Node23	Node24	29.0000	28.0000	29.2844	28.3151	Trapezoid
Link24	Node24	Node25	28.0000	25.0000	28.3151	26.3724	Trapezoid
Link25	Node25	Node27	25.0000	25.0000	26.3724	26.3605	Trapezoid
Link26	Node26	Node27	30.0000	25.0000	30.1328	26.3605	Trapezoid
Link27	Node27	Node30	25.0000	24.0000	26.3605	25.4732	Circular
Link30	Node30	Node31	24.0000	23.0000	25.4732	25.2953	Circular
Link31	Node31	Node32	23.0000	22.0000	25.2953	23.4100	Circular
Link34A	Node35	Node34A	19.0000	17.6900	21.9651	21.9833	Trapezoid
Link35	Node35	Node36	19.0000	19.0000	21.9651	21.9641	Trapezoid
Link37	Node37	Node39	24.0000	21.0000	24.9134	24.9005	Trapezoid
Link38	Node38	Node39	23.0000	21.0000	24.9012	24.9005	Trapezoid
Link39	Node39A	Node39	24.0000	21.0000	24.8626	24.9005	Circular
Link40	Node40	Node41	25.0000	23.0000	27.5764	27.5148	Circular
Link44	Node44	Node46	22.0000	21.0000	23.2839	22.9648	Trapezoid
Link45	Node45	Node46	23.0000	21.0000	23.7279	22.9648	Trapezoid
Link46	Node46	Node49	21.0000	21.0000	22.9648	22.1991	Circular
Link47	Node47	Node48	22.0000	22.0000	23.3449	23.3418	Trapezoid
Link48	Node48	Node49	22.0000	21.0000	23.3418	22.1991	Circular
Link49	Node49	Node51	21.0000	20.0000	22.1991	21.9860	Circular
Link50	Node50	Node51	22.0000	20.0000	22.3953	21.9860	Circular
Link51	Node51	Node61	20.0000	19.0000	21.9860	21.9638	Trapezoid
Link52	Node52	Node53	24.0000	24.0000	27.6021	27.5938	Circular
Link53	Node53	Node54	26.0000	26.0000	27.5938	27.5937	Trapezoid
Link54	Node54	Node55A	25.0000	23.0000	27.5937	24.8147	Circular
Link55D	Node55D	Node56	21.0000	20.0000	21.8070	21.9723	Circular
Link58	Node58	Node61	19.0000	19.0000	21.9644	21.9638	Trapezoid
Link59	Node59	Node60	22.0000	22.0000	23.4915	22.6774	Circular
Link60	Node60	Node61	22.0000	19.0000	22.6774	21.9638	Circular
Link63	Node63	Node64	19.0000	19.0000	21.8692	21.8464	Trapezoid
Link36	Node36	Node36A	19.0000	19.0000	21.9641	21.9163	Circular
Link64	Node64	Node65	19.0000	19.0000	21.8464	21.8115	Trapezoid
Link65	Node65	Node67	19.0000	19.0000	21.8115	21.7908	Trapezoid
Link67	Node67	125	18.0000	18.0000	21.7908	21.7489	Trapezoid
Link20A	Node20A	Node20C	26.0000	25.0000	26.2681	25.5070	Trapezoid
Link36A	Node36A	Node64	19.0000	19.0000	21.9163	21.8464	Trapezoid
Link57A	Node57A	Node57B	22.0000	22.0000	22.8249	22.6487	Circular
Link57B	Node57B	Node58	22.0000	19.0000	22.6487	21.9644	Circular
Link56	Node56	Node58	20.0000	19.0000	21.9723	21.9644	Circular
Link32A	Node32A	Node33	22.0000	22.0000	23.0727	22.9943	Trapezoid
Link32	Node32	Node33	22.0000	22.0000	23.4100	22.9943	Trapezoid
Link66B	Node66B	Node66C	20.0000	18.0000	22.1579	21.7909	Circular
Link66A	Node66A	Node66B	20.0000	20.0000	22.1857	22.1579	Trapezoid
Link66C	Node66C	Node67	18.0000	18.0000	21.7909	21.7908	Trapezoid
XS #1A	1	1A	21.1000	20.9000	25.5607	25.5463	Natural
XS #2	4	6	18.5300	18.4000	25.0394	24.9120	Natural
XS #3	6	63	18.4000	18.4000	24.9120	24.8631	Natural
XS #4	8	15	18.3000	18.2000	24.8389	24.8143	Natural
XS #5	17	19	18.1000	18.0000	22.7332	22.3273	Natural
XS #6	19	21	18.0000	17.9000	22.3273	22.2208	Natural
XS #7	23	25	17.5000	17.2000	21.9480	21.5028	Natural
XS #8	25	27	17.2000	15.6000	21.5028	21.3544	Natural

XS #9	30	27	16.2000	15.6000	21.4342	21.3544	Natural
XS #10	32	34	16.3000	15.4300	19.7809	19.7616	Natural
STUB	34	36	15.3000	14.5000	19.7616	18.3600	Circular
FRONTAGE	36	38	14.3200	12.1000	18.3600	17.8634	Circular
HWY 17 S	38	41	11.9200	11.0000	17.8634	17.5276	Circular
HWY 17 N	41	45	10.9400	9.8900	17.5276	17.0941	Circular
PARKINGLOT	48	45	9.9000	9.1200	16.5269	17.0942	Circular
TO LAKE	Lk-Elzbt	48	9.8700	9.6100	15.1611	16.5269	Circular
61	56	55	22.5000	22.1000	27.8416	26.9420	Natural
62	55	1	22.1000	21.1000	26.9420	25.5607	Natural
XS #3a	63	8	18.4000	18.3000	24.8631	24.8389	Natural
XS MALLARD	64	63	20.4100	18.4000	24.8637	24.8631	Natural
80	78	68	21.5000	20.9600	24.1644	24.8688	Natural
8x4 Box	73b	Dgwood Lk	5.3000	5.0300	8.6286	8.3515	Rectangle
Clvt 10	44b	Dgwood Lk	6.2300	5.4200	8.0070	8.0140	Rectangle
Palmt0 Lk	44b	46b	6.2300	5.4600	8.0070	7.9463	Natural
Clvt 7	46b	48b	5.4600	5.1700	7.9463	7.8736	Circular
Chan A	48b	50b	5.5100	5.1700	7.8736	7.5819	Natural
Clvt 6	50b	52b	5.5100	5.3500	7.5819	7.4381	Circular
Chan B	52b	54b	5.3500	4.5200	7.4381	6.9622	Natural
Clvt 5	54b	56b	4.5200	4.3800	6.9622	6.8710	Circular
Chan C	Myrtle Lk	56b	4.5000	4.3800	6.2024	6.8710	Natural
Chan D	Holly Lk	63b	4.7500	4.3300	6.3723	6.2731	Trapezoid
Oak Clvt	63b	65b	4.3300	4.2400	6.2731	6.2389	Rectangle
Chan E	65b	Myrtle Lk	4.2400	4.2000	6.2389	6.2024	Trapezoid
Clvt2 Out	60b	69b	2.5700	2.5100	6.0665	6.0000	Rectangle
Clvt1 Out	71b	38b	3.4600	3.2300	7.4600	7.7653	Rectangle
Lined Ch	71b	Channel	3.4200	3.2600	6.5258	6.0000	Natural
Link20B	Node20B	Node20C	25.0000	25.0000	25.5070	25.5070	Trapezoid
Link20	Node20	Node20A	26.0000	26.0000	26.2897	26.2681	Trapezoid
Link33	Node33	Node33A	22.0000	21.0000	22.9943	22.0314	Circular
Link33A	Node33A	Node33B	21.0000	19.6000	22.0314	22.2041	Circular
Link33C	Node33C	Node33D	19.1700	18.5300	22.1670	22.1627	Trapezoid
Link33D	Node33D	Node33E	18.5300	18.2500	22.1627	22.1115	Circular
Link33E	Node33E	Node34A	18.2500	17.6900	22.1115	21.9833	Circular
Link33B	Node33B	Node33C	19.6000	19.1700	22.2041	22.1670	Circular
Link34	Node34	Node34A	21.0000	17.6900	21.9839	21.9833	Trapezoid
Link54B	Node54B	Node54	25.0000	25.0000	27.5765	27.5937	Trapezoid
Link54A	Node40	Node54B	25.0000	25.0000	27.5764	27.5765	Trapezoid
Link55A	Node55A	Node55B	23.0000	23.0000	24.8147	24.8025	Trapezoid
Link55B	Node55B	Node55C	23.0000	23.0000	24.8025	23.2322	Circular
Link55C	Node55C	Node55D	23.0000	21.0000	23.2322	21.8070	Trapezoid
Link43A	Node43B	Node43A	25.0000	24.0000	26.8358	26.8359	Trapezoid
Link42A	Node42A	Node43B	25.0000	25.0000	26.8603	26.8358	Trapezoid
Link42	Node42A	Node42	25.0000	24.0000	26.8603	26.9331	Trapezoid
Link43B	Node43B	Node43C	25.0000	24.5000	26.8358	26.8048	Trapezoid
Link43	Node43	Node43A	24.0000	24.0000	26.8359	26.8359	Trapezoid
Link43C	Node43C	Node43D	24.0000	24.0000	26.8048	25.6982	Circular
Link43D	Node43D	Node46	24.0000	22.0000	25.6982	23.4354	Circular
Link39A	Node39A	Node39B	24.0000	24.0000	24.8626	24.6995	Circular
Link39B	Node39B	Node45	24.0000	23.0000	24.6995	23.7279	Circular
XS #1B	1B	2	20.9000	20.7000	22.8990	22.7202	Natural
ToLake	1	53B	21.1000	20.9206	25.5607	25.6179	Natural
Link224	53A	Node215	24.0004	22.0000	26.1076	29.2887	Circular
Link225	Node214	53A	26.0000	24.0004	28.3715	26.3718	Circular
18"RCP	Ditch	36	20.0000	14.3200	20.8027	18.3600	Circular
36"Stub	Node219	Node217	17.5000	17.0600	18.2423	18.0058	Circular
18"RCP2	CB 2	38	15.0000	13.0000	17.8762	17.8634	Circular
18"RCP1	CB 1	38	15.0000	13.0000	17.8750	17.8634	Circular
12"RCP1	Node223	41	18.0000	15.0000	18.5495	17.5276	Circular
12"RCP2	Node224	41	18.0000	15.0000	18.5094	17.5276	Circular
24"RCP 1	Node225	Node220	16.0000	15.0000	17.8816	17.8801	Circular
Link62	Node62	Node63	19.0000	19.0000	21.9605	21.8692	Circular
Link61	Node61	Node62	19.0000	19.0000	21.9638	21.9605	Trapezoid
Link2	Node2	Node3	31.0000	27.0000	31.0491	28.2671	Trapezoid
Link3	Node3	Node4	27.0000	27.0000	28.2671	28.2604	Circular
Link66	Node66	Node66A	21.0000	20.0000	22.1895	22.1857	Trapezoid
Link69	123	27	18.0000	18.0000	21.7232	21.3544	Circular
24" RCP 2	Node220	CB 2	15.0000	15.0000	17.8801	17.8762	Circular
48" RCP	Node217	36	17.0600	14.3200	18.0058	18.3600	Circular
8.1	Node20	Node8	26.0000	25.0000	26.2897	26.4963	Circular
8.2	Node20	Node8	26.0000	25.0000	26.2897	26.4963	Circular
29.1	Node30	Node29	24.0000	23.0000	25.4732	25.4756	Circular
29.2	Node30	Node29	24.0000	23.0000	25.4732	25.4756	Circular
28.1	Node28	Node29	23.0000	23.0000	25.4816	25.4756	Circular
28.2	Node28	Node29	23.0000	23.0000	25.4816	25.4756	Circular
28.3	Node28	Node29	23.0000	23.0000	25.4816	25.4756	Circular

41.1	Node41	Node42	23.0000	22.0000	27.5148	26.9331	Circular
41.2	Node41	Node42	23.0000	22.0000	27.5148	26.9331	Circular
Spanish1	4	2	18.5300	18.4100	25.0394	22.7202	Circular
IndianDr1	15	17	18.2000	18.1000	24.8143	22.7332	Circular
2@42" RCP	21	23	17.9000	17.5000	22.2208	21.9480	Circular
Driveway1	32	30	16.3000	16.2000	19.7809	21.4342	Circular
2@24"	68	64	20.9600	20.4100	24.8688	24.8637	Circular
Seaweed.1	53B	53A	20.9206	20.9044	25.6179	25.6293	Circular
68.1	125	123	16.8200	16.7800	21.7489	21.7232	Circular
68.2	125	123	16.8200	16.7800	21.7489	21.7232	Circular

```

*=====
| Table E20 - Junction Flooding and Volume Listing. |
| The maximum volume is the total volume |
| in the node including the volume in the |
| flooded storage area. This is the max |
| volume at any time. The volume in the |
| flooded storage area is the total volume |
| above the ground elevation, where the |
| flooded pond storage area starts. |
| The fourth column is instantaneous, the fifth is the |
| sum of the flooded volume over the entire simulation |
| Units are either ft^3 or m^3 depending on the units. |
*=====

```

Junction Name	Surcharged Time (min)	Flooded Time(min)	Out of 1D-System (Flooded Volume)	Maximum Volume	Passed to 2D cell OR Volume Stored in allowed Flood Pond of 1D-System
Node1	0.0000	0.0000	0.0000	1212.0758	0.0000
Node2	0.0000	0.0000	0.0000	286.2131	0.0000
Node3	0.0000	0.0000	0.0000	15.9229	0.0000
Node4	0.0000	0.0000	0.0000	15.8387	0.0000
Node7	0.0000	0.0000	0.0000	15.8379	0.0000
Node5	0.0000	0.0000	0.0000	2.3132	0.0000
Node6	0.0000	0.0000	0.0000	1.5342	0.0000
Node8	0.0000	0.0000	0.0000	22220.7583	0.0000
Node20	0.0000	0.0000	0.0000	1833.4941	0.0000
Node9	0.0000	0.0000	0.0000	29667.1107	0.0000
Node10	0.0000	0.0000	0.0000	20.4926	0.0000
Node12	0.0000	0.0000	0.0000	21171.3387	0.0000
Node14	0.0000	0.0000	0.0000	7.9427	0.0000
Node15	0.0000	0.0000	0.0000	7.9356	0.0000
Node19	0.0000	0.0000	0.0000	7.9574	0.0000
Node16	0.0000	0.0000	0.0000	4.8862	0.0000
Node17	0.0000	0.0000	0.0000	4.0998	0.0000
Node18	0.0000	0.0000	0.0000	2.7989	0.0000
Node11	0.0000	0.0000	0.0000	2.4989	0.0000
Node20B	0.0000	0.0000	0.0000	6.3709	0.0000
Node30	0.0000	0.0000	0.0000	6453.5115	0.0000
Node22	0.0000	0.0000	0.0000	1776.7153	0.0000
Node23	0.0000	0.0000	0.0000	3464.2535	0.0000
Node24	0.0000	0.0000	0.0000	958.0320	0.0000
Node25	337.4583	0.0000	0.0000	24325.3198	0.0000
Node27	0.0000	0.0000	0.0000	89522.3839	0.0000
Node26	0.0000	0.0000	0.0000	2196.2849	0.0000
Node29	2482.2583	0.0000	0.0000	75681.7799	0.0000
Node28	2477.8250	0.0000	0.0000	44596.6448	0.0000
Node31	325.2083	0.0000	0.0000	40541.2816	0.0000
Node35	687.1917	687.2333	0.0000	8149.9613	15536.1410
Node34	0.0000	0.0000	0.0000	12.3637	0.0000
Node36	371.1000	0.0000	0.0000	37.2469	0.0000
Node37	0.0000	0.0000	0.0000	11.4781	0.0000
Node39	2503.8333	2494.5167	0.0000	7341.8820	17746.4693
Node38	0.0000	0.0000	0.0000	23.8900	0.0000
Node40	603.9667	0.0000	0.0000	19009.6772	0.0000
Node41	2451.9250	0.0000	0.0000	231231.4446	0.0000
Node42	2431.2750	0.0000	0.0000	56976.1980	0.0000
Node46	0.0000	0.0000	0.0000	24.6900	0.0000
Node43	2399.6250	0.0000	0.0000	42497.0525	0.0000
Node44	25.0917	0.0000	0.0000	16.1340	0.0000
Node49	0.0000	0.0000	0.0000	15.0683	0.0000
Node47	439.3750	0.0000	0.0000	30359.5578	0.0000
Node48	437.0750	0.0000	0.0000	16.8610	0.0000
Node51	0.0000	0.0000	0.0000	24.9557	0.0000
Node50	0.0000	0.0000	0.0000	4786.9429	0.0000
Node61	0.0000	0.0000	0.0000	37.2437	0.0000
Node52	2500.8500	0.0000	0.0000	8706.5346	0.0000
Node53	399.0000	0.0000	0.0000	35236.6906	0.0000
Node54	399.0000	0.0000	0.0000	30337.9673	0.0000
Node55D	0.0000	0.0000	0.0000	8015.9098	0.0000
Node56	0.0000	0.0000	0.0000	7381.7963	0.0000
Node58	0.0000	0.0000	0.0000	37.2503	0.0000
Node59	48.9583	0.0000	0.0000	8696.1188	0.0000
Node60	0.0000	0.0000	0.0000	5386.5504	0.0000
Node63	298.0250	0.0000	0.0000	36.0538	0.0000
Node64	618.6333	618.6333	0.2028	6681.6257	18702.6451

Node65	598.8667	0.0000	0.0000	35.3298	0.0000
Node67	0.0000	0.0000	0.0000	47.6346	0.0000
Node66	0.0000	0.0000	0.0000	10843.1781	0.0000
125	0.0000	0.0000	0.0000	78.5242	0.0000
Node36A	337.1583	0.0000	0.0000	36.6459	0.0000
Node57A	0.0000	0.0000	0.0000	2970.3317	0.0000
Node57B	0.0000	0.0000	0.0000	4619.4406	0.0000
Node32	562.1583	0.0000	0.0000	17.7179	0.0000
Node32A	31.3167	0.0000	0.0000	13.4801	0.0000
Node33	0.0000	0.0000	0.0000	12.4949	0.0000
Node66B	0.0000	0.0000	0.0000	27.1158	0.0000
Node66A	0.0000	0.0000	0.0000	27.4651	0.0000
Node66C	0.0000	0.0000	0.0000	47.6370	0.0000
2	0.0000	0.0000	0.0000	2061148.219	0.0000
4	145.4250	0.0000	0.0000	81.7971	0.0000
8	100.3333	0.0000	0.0000	82.1676	0.0000
15	106.9250	0.0000	0.0000	83.1151	0.0000
17	0.0000	0.0000	0.0000	58.2207	0.0000
19	0.0000	0.0000	0.0000	54.3771	0.0000
25	0.0000	0.0000	0.0000	54.0691	0.0000
30	0.0000	0.0000	0.0000	65.7730	0.0000
32	0.0000	0.0000	0.0000	43.7411	0.0000
34	0.0000	0.0000	0.0000	68.3789	0.0000
36	0.0000	0.0000	0.0000	50.7660	0.0000
38	0.0000	0.0000	0.0000	74.6848	0.0000
41	20.7667	0.0000	0.0000	82.7798	0.0000
45	33.4417	0.0000	0.0000	100.2033	0.0000
48	27.4417	0.0000	0.0000	87.0434	0.0000
52	2956.8333	0.0000	0.0000	1706457.265	0.0000
55	98.4917	98.5000	0.0000	14177.2426	72697.3562
56	88.0667	88.0667	0.0000	26576.4301	48666.5651
63	156.1333	0.0000	0.0000	81.2158	0.0000
64	47.0500	0.0000	0.0000	55.9657	0.0000
68	189.7500	0.0000	0.0000	237592.7381	0.0000
76	2540.8417	0.0000	0.0000	302764.4189	0.0000
78	104.7333	104.7583	0.0000	925.0033	1690.0387
Lk-Elzbtth	0.0000	0.0000	0.0000	1271412.549	0.0000
Dgwood Lk	0.0000	0.0000	0.0000	2476895.018	0.0000
44b	0.0000	0.0000	0.0000	22.3299	0.0000
46b	0.0000	0.0000	0.0000	31.2425	0.0000
48b	0.0000	0.0000	0.0000	33.9738	0.0000
50b	0.0000	0.0000	0.0000	30.3075	0.0000
52b	0.0000	0.0000	0.0000	26.2393	0.0000
54b	0.0000	0.0000	0.0000	30.6881	0.0000
56b	0.0000	0.0000	0.0000	31.3016	0.0000
Myrtle Lk	0.0000	0.0000	0.0000	111835.2894	0.0000
60b	0.0000	0.0000	0.0000	43.9368	0.0000
Holly Lk	0.0000	0.0000	0.0000	94222.8206	0.0000
63b	0.0000	0.0000	0.0000	24.4167	0.0000
65b	0.0000	0.0000	0.0000	25.1179	0.0000
69b	0.0000	0.0000	0.0000	43.8553	0.0000
71b	0.0000	0.0000	0.0000	39.0275	0.0000
73b	0.0000	0.0000	0.0000	41.8271	0.0000
38b	128.4750	0.0000	0.0000	56.9900	0.0000
Channel	0.0000	0.0000	0.0000	34.4308	0.0000
Node20C	0.0000	0.0000	0.0000	6.3706	0.0000
Node20A	0.0000	0.0000	0.0000	3.3688	0.0000
Node33A	0.0000	0.0000	0.0000	12.9601	0.0000
Node33B	184.0000	0.0000	0.0000	32.7233	0.0000
Node33E	811.5750	0.0000	0.0000	48.5235	0.0000
Node33D	460.5417	0.0000	0.0000	45.6486	0.0000
Node34A	986.5917	694.2750	0.0000	8408.2365	23447.6802
Node33C	0.0000	0.0000	0.0000	37.6602	0.0000
Node54B	774.0583	0.0000	0.0000	32.3768	0.0000
Node55A	594.6167	0.0000	0.0000	22.8036	0.0000
Node55B	590.0417	0.0000	0.0000	22.6502	0.0000
Node55C	0.0000	0.0000	0.0000	2.9180	0.0000
Node42A	623.9167	382.1250	0.0000	2187.8884	3575.9666
Node43A	2400.0417	809.0833	0.0000	14035.4922	17679.8684
Node43B	616.7333	616.7583	0.0000	6546.3280	9832.1560
Node43C	787.2833	608.2250	0.0000	6205.8772	8663.5968
Node43D	355.5667	0.0000	0.0000	21.3398	0.0000
Node39A	0.0000	0.0000	0.0000	23.4056	0.0000
Node39B	0.0000	0.0000	0.0000	8.7896	0.0000
1B	0.0000	0.0000	0.0000	25.1193	0.0000
1A	0.0000	0.0000	0.0000	474964.2558	0.0000
53A	0.0000	0.0000	0.0000	674778.5674	0.0000

53B	2476.5750	1183.2167	0.0000	5092.0409	16137.2576
Node214	0.0000	0.0000	0.0000	36973.7902	0.0000
Node215	2149.5750	0.0000	0.0000	82175.3538	0.0000
Ditch	0.0000	0.0000	0.0000	10.0864	0.0000
Node217	0.0000	0.0000	0.0000	11.8854	0.0000
Node219	0.0000	0.0000	0.0000	9.3284	0.0000
Node220	23.7667	0.0000	0.0000	36.1908	0.0000
CB 2	23.5583	0.0000	0.0000	36.1425	0.0000
CB 1	29.5583	0.0000	0.0000	36.1269	0.0000
Node223	0.0000	0.0000	0.0000	6.9048	0.0000
Node224	0.0000	0.0000	0.0000	6.4015	0.0000
Node225	0.0000	0.0000	0.0000	23.6442	0.0000
Node 13	2033.3167	0.0000	0.0000	20.5063	0.0000
Node45	0.0000	0.0000	0.0000	9.1468	0.0000
Node62	0.0000	0.0000	0.0000	37.2018	0.0000
1	0.0000	0.0000	0.0000	56.0530	0.0000
123	0.0000	0.0000	0.0000	80.7139	0.0000
6	155.2083	0.0000	0.0000	81.8294	0.0000
21	0.0000	0.0000	0.0000	917.3805	0.0000
23	0.0000	0.0000	0.0000	55.8934	0.0000
27	0.0000	0.0000	0.0000	66186.6865	0.0000

#####  
# Table E22. Numerical Model judgement section #  
#####

Overall error was (minimum of Table E18 & E21) 1.2448 percent  
Worst nodal error was in node 52 with 5.5816 percent  
Of the total inflow this loss was 0.7360 percent  
Your overall continuity error was Great  
Efficiency of the simulation Excellent Efficiency 1.26  
Most Number of Non Convergences at one Node 1.  
Total Number Non Convergences at all Nodes 1.  
Total Number of Nodes with Non Convergences 1.

==> Hydraulic model simulation ended normally.

==> XP-SWMM Simulation ended normally.

==> Your input file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\10 Year.DAT

==> Your output file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\10 Year.out

\*=====  
| SWMM Simulation Date and Time Summary |  
\*=====  
| Starting Date... July 23, 2008 Time... 17:59:54:76 |  
| Ending Date... July 23, 2008 Time... 18:17:46:15 |  
| Elapsed Time... 17.85650 minutes or 1071.39000 seconds |  
\*=====

Caropines Deerfield - Existing Condition Model (October 2007)

25-Year Return Period Storm (25 Yr – 24 Hour Precipitation = 7.6 inches)

Current Directory: C:\XPS-VE~1.6  
Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE  
Input File : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\25 Year.XP

```
*=====*
```

xpswmm	
Storm and Wastewater Management Model	
Interface Version: 10.61	
Engine Version: 10.6.1.0	
=====	
Developed by	
XP Software	
=====	
XP Software	April, 2008
Data File Version --->	12.0
Serial Number: 42-1060-2154	
The LPA Group	

```
*=====*
```

Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE

```
*=====*
```

Input and Output file names by Layer	
--------------------------------------	--

```
*=====*
```

Input File to Layer #	1 JIN.US
Output File to Layer #	1 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
Input File to Layer #	2 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
Output File to Layer #	2 JOT.US



\*\*\*\*\*  
 | Table E1 - Conduit Data |  
 \*\*\*\*\*

Inp Num	Conduit Name	Length (ft)	Conduit Class	Area (ft^2)	Manning Coef.	Max Width (ft)	Trapezoid		
							Depth (ft)	Side Slopes	
1	Link1	65.9500	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
2	Link4	62.9800	Trapezoid	90.0000	0.0350	15.0000	3.0000	5.0000	5.0000
3	Link5	76.3200	Circular	1.7671	0.0120	1.5000	1.5000		
4	Link6	84.0400	Trapezoid	16.0000	0.0350	3.0000	2.0000	2.5000	2.5000
5	Link7	98.0500	Circular	1.7671	0.0120	1.5000	1.5000		
6	Link9	28.7000	Trapezoid	14.0000	0.0350	5.0000	2.0000	1.0000	1.0000
7	Link10	486.3000	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
8	Link12	21.7000	Trapezoid	2.0000	0.0350	1.0000	1.0000	1.0000	1.0000
9	Link13	18.7000	Circular	1.7671	0.0120	1.5000	1.5000		
10	Link14	86.2400	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
11	Link15	47.4700	Circular	1.7671	0.0120	1.5000	1.5000		
12	Link19	25.9000	Circular	1.7671	0.0270	1.5000	1.5000		
13	Link16	130.8000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
14	Link17	13.3300	Circular	1.7671	0.0120	1.5000	1.5000		
15	Link18	95.5000	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
16	Link11	53.9000	Circular	1.7671	0.0120	1.5000	1.5000		
17	Link20C	332.6900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
18	Link22	83.4000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
19	Link23	107.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
20	Link24	144.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
21	Link25	17.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
22	Link26	50.0100	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
23	Link27	352.0000	Circular	3.1416	0.0120	2.0000	2.0000		
24	Link30	162.3900	Circular	3.1416	0.0120	2.0000	2.0000		
25	Link31	20.9400	Circular	1.2272	0.0240	1.2500	1.2500		
26	Link34A	142.1600	Trapezoid	30.7500	0.0350	7.0000	1.5000	9.0000	9.0000
27	Link35	89.9000	Trapezoid	88.0000	0.0350	20.0000	2.0000	12.0000	12.0000
28	Link37	357.0100	Trapezoid	18.0000	0.0350	3.0000	1.0000	15.0000	15.0000
29	Link38	310.9000	Trapezoid	36.6800	0.0350	5.0000	2.0000	6.6700	6.6700
30	Link39	179.7000	Circular	4.9087	0.0120	2.5000	2.5000		
31	Link40	25.0000	Circular	1.7671	0.0120	1.5000	1.5000		
32	Link44	295.4000	Trapezoid	4.0000	0.0350	3.0000	1.0000	1.0000	1.0000
33	Link45	321.8000	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
34	Link46	207.0100	Circular	4.9087	0.0120	2.5000	2.5000		
35	Link47	115.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
36	Link48	61.6400	Circular	0.1963	0.0090	0.5000	0.5000		
37	Link49	27.0000	Circular	4.9087	0.0120	2.5000	2.5000		
38	Link50	67.6000	Circular	1.2272	0.0280	1.2500	1.2500		
39	Link51	401.0300	Trapezoid	184.0000	0.0350	6.0000	4.0000	10.0000	10.0000
40	Link52	42.3000	Circular	1.2272	0.0280	1.2500	1.2500		
41	Link53	88.8000	Trapezoid	26.0000	0.0350	25.0000	1.0000	1.0000	1.0000
42	Link54	356.7000	Circular	1.7671	0.0280	1.5000	1.5000		
43	Link55D	54.0300	Circular	4.9087	0.0120	2.5000	2.5000		
44	Link58	430.3600	Trapezoid	208.0000	0.0350	16.0000	4.0000	9.0000	9.0000
45	Link59	50.2000	Circular	1.2272	0.0280	1.2500	1.2500		
46	Link60	35.0200	Circular	1.2272	0.0280	1.2500	1.2500		
47	Link63	238.2000	Trapezoid	58.0000	0.0350	15.0000	2.0000	7.0000	7.0000
48	Link36	50.6500	Circular	4.9087	0.0120	2.5000	2.5000		
49	Link64	110.0000	Trapezoid	44.0000	0.0350	15.0000	2.0000	3.5000	3.5000
50	Link65	227.5600	Trapezoid	94.0000	0.0350	17.0000	2.0000	15.0000	15.0000
51	Link67	112.4000	Trapezoid	40.0000	0.0350	6.0000	4.0000	1.0000	1.0000
52	Link20A	199.9000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
53	Link36A	66.5000	Trapezoid	13.0000	0.0350	8.0000	1.0000	5.0000	5.0000
54	Link57A	40.5400	Circular	1.2272	0.0280	1.2500	1.2500		
55	Link57B	54.8100	Circular	1.2272	0.0280	1.2500	1.2500		
56	Link56	87.9200	Circular	4.9087	0.0120	2.5000	2.5000		
57	Link32A	251.5700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
58	Link32	244.6700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
59	Link66B	190.6000	Circular	1.7671	0.0120	1.5000	1.5000		
60	Link66A	654.5200	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
61	Link66C	435.0600	Trapezoid	129.6000	0.0350	10.0000	4.0000	5.6000	5.6000
62	XS #1A	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
63	XS #2	431.0000	Natural	89.7060	0.0300	46.3900	4.9500		
64	XS #3	191.0000	Natural	81.1062	0.0300	45.0300	4.9300		
65	XS #4	130.0000	Natural	99.8750	0.0300	57.7600	5.6200		
66	XS #5	1089.0000	Natural	130.1118	0.0300	44.4000	7.2000		
67	XS #6	586.0000	Natural	161.1250	0.0300	60.6000	6.3400		
68	XS #7	1608.0000	Natural	181.5410	0.0300	41.0700	9.1100		
69	XS #8	761.0000	Natural	172.3457	0.0300	51.3000	8.7700		

70	XS #9	75.0000	Natural	124.1935	0.0300	37.8100	6.9000		
71	XS #10	387.4000	Natural	170.1000	0.0300	44.0800	7.4600		
72	STUB	4.0000	Circular	28.2743	0.0130	6.0000	6.0000		
73	FRONTAGE	50.0000	Circular	28.2743	0.0130	6.0000	6.0000		
74	HWY 17 S	60.0000	Circular	28.2743	0.0130	6.0000	6.0000		
75	HWY 17 N	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
76	PARKINGLOT	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
77	TO LAKE	172.0000	Circular	28.2743	0.0130	6.0000	6.0000		
78	61	350.0000	Natural	49.5000	0.0300	50.0000	3.5000		
79	62	1300.0000	Natural	49.2000	0.0350	50.0000	3.3000		
80	XS #3a	66.0000	Natural	87.0000	0.0300	67.0000	4.9000		
81	XS MALLARD	158.0000	Natural	40.3050	0.0300	25.0000	4.2000		
82	80	150.0000	Natural	18.0000	0.0300	39.0000	2.5000		
83	8x4 Box	68.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
84	Clvt 10	42.0000	Rectangle	40.5000	0.0150	13.5000	3.0000		
85	Palmt0 Lk	700.0000	Natural	172.0000	0.0500	56.0000	4.5000		
86	Clvt 7	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
87	Chan A	270.0000	Natural	54.5525	0.0500	23.9500	4.9000		
88	Clvt 6	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
89	Chan B	210.0000	Natural	58.3500	0.0500	20.0000	5.3000		
90	Clvt 5	42.0000	Circular	12.5664	0.0130	4.0000	4.0000		
91	Chan C	400.0000	Natural	43.5000	0.0500	28.0000	4.0000		
92	Chan D	150.0000	Trapezoid	81.2500	0.0350	25.0000	3.2500	0.0000	0.0000
93	Oak Clvt	35.0000	Rectangle	24.0000	0.0130	8.0000	3.0000		
94	Chan E	150.0000	Trapezoid	106.1900	0.0300	25.0000	3.7000	1.0000	1.0000
95	Clvt2 Out	40.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
96	Clvt1 Out	42.0000	Rectangle	28.0000	0.0130	7.0000	4.0000		
97	Lined Ch	75.0000	Natural	92.2250	0.0250	33.6000	4.3600		
98	Link20B	49.0900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
99	Link20	5.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
100	Link33	128.5700	Circular	4.9087	0.0120	2.5000	2.5000		
101	Link33A	54.2500	Circular	4.9087	0.0120	2.5000	2.5000		
102	Link33C	351.0900	Trapezoid	60.0000	0.0350	5.0000	3.0000	5.0000	5.0000
103	Link33D	64.2600	Circular	4.9087	0.0120	2.5000	2.5000		
104	Link33E	153.1800	Circular	4.9087	0.0120	2.5000	2.5000		
105	Link33B	75.6500	Circular	4.9087	0.0120	2.5000	2.5000		
106	Link34	440.8000	Trapezoid	54.0000	0.0350	7.0000	2.0000	10.0000	10.0000
107	Link54B	602.9000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
108	Link54A	5.0000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
109	Link55A	66.3400	Trapezoid	10.0000	0.0350	5.0000	1.0000	5.0000	5.0000
110	Link55B	96.7000	Circular	1.7671	0.0280	1.5000	1.5000		
111	Link55C	144.9500	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
112	Link43A	41.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
113	Link42A	48.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
114	Link42	139.7000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
115	Link43B	96.9000	Trapezoid	25.0000	0.0350	20.0000	1.0000	5.0000	5.0000
116	Link43	79.2000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
117	Link43C	52.0000	Circular	1.7671	0.0120	1.5000	1.5000		
118	Link43D	114.6000	Circular	1.7671	0.0120	1.5000	1.5000		
119	Link39A	53.8000	Circular	4.9087	0.0120	2.5000	2.5000		
120	Link39B	116.5000	Circular	4.9087	0.0120	2.5000	2.5000		
121	XS #1B	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
122	ToLake	534.4790	Natural	52.6000	0.0300	50.0000	3.4000		
123	Link224	83.8200	Circular	4.9087	0.0270	2.5000	2.5000		
124	Link225	65.1595	Circular	7.0686	0.0110	3.0000	3.0000		
125	18"RCP	9.0000	Circular	1.7671	0.0120	1.5000	1.5000		
126	36"Stub	8.0000	Circular	7.0686	0.0120	3.0000	3.0000		
127	18"RCP2	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
128	18"RCP1	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
129	12"RCP1	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
130	12"RCP2	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
131	24"RCP 1	25.0000	Circular	3.1416	0.0120	2.0000	2.0000		
132	Link62	24.2000	Circular	4.9087	0.0120	2.5000	2.5000		
133	Link61	176.3000	Trapezoid	172.0000	0.0350	15.0000	4.0000	7.0000	7.0000
134	Link2	65.0700	Trapezoid	33.7500	0.0350	15.0000	1.5000	5.0000	5.0000
135	Link3	73.3400	Circular	1.7671	0.0120	1.5000	1.5000		
136	Link66	111.7000	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
137	Link69	153.2000	Circular	15.9043	0.0240	4.5000	4.5000		
138	24" RCP 2	20.0000	Circular	3.1416	0.0120	2.0000	2.0000		
139	48" RCP	72.0000	Circular	12.5664	0.0120	4.0000	4.0000		
140	8.1	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
141	8.2	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
142	29.1	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
143	29.2	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
144	28.1	44.9100	Circular	0.3494	0.0110	0.6670	0.6670		
145	28.2	38.7400	Circular	0.3494	0.0110	0.6670	0.6670		
146	28.3	41.2000	Circular	0.1963	0.0110	0.5000	0.5000		

147	41.1	50.2300	Circular	1.7671	0.0120	1.5000	1.5000
148	41.2	50.2300	Circular	1.7671	0.0240	1.5000	1.5000
149	Spanish1	45.0000	Circular	4.9087	0.0120	2.5000	2.5000
150	IndianDrl	42.0000	Circular	7.0686	0.0130	3.0000	3.0000
151	2@42" RCP	64.0000	Circular	9.6211	0.0130	3.5000	3.5000
152	Driveway1	59.0000	Circular	28.2743	0.0270	6.0000	6.0000
153	2@24"	40.0000	Circular	3.1416	0.0130	2.0000	2.0000
154	Seaweed.1	48.4149	Circular	4.9087	0.0120	2.5000	2.5000
155	68.1	52.4000	Circular	12.5664	0.0120	4.0000	4.0000
156	68.2	52.4000	Circular	7.0686	0.0120	3.0000	3.0000
Total length of all conduits ....				25067.8434 feet			

\*=====\*

| Table E15 - SPREADSHEET INFO LIST |

| Conduit Flow and Junction Depth Information for use in |

| spreadsheets. The maximum values in this table are the |

| true maximum values because they sample every time step. |

| The values in the review results may only be the |

| maximum of a subset of all the time steps in the run. |

| Note: These flows are only the flows in a single barrel. |

\*=====\*

Conduit Name	Maximum Flow (cfs)	Total Flow (ft <sup>3</sup> )	Maximum Velocity (ft/s)	Maximum Volume (ft <sup>3</sup> )	##	Junction Name	Invert Elevation (ft)	Maximum Elevation (ft)
Link1	1.4756	24636.2671	1.1130	4.1570	##	Node1	32.0000	32.1383
Link4	1.7493	29872.0317	0.0613	1796.5389	##	Node2	31.0000	31.0634
Link5	0.7177	5068.3540	4.5892	0.7562	##	Node3	27.0000	28.3355
Link6	0.9118	6158.3264	1.3486	183.8889	##	Node4	27.0000	28.3205
Link7	1.9931	35133.9769	4.6076	60.0553	##	Node7	27.0000	28.3204
Link9	-0.4893	-2795.9031	-0.2616	401.8000	##	Node5	31.0000	31.2212
Link10	1.8632	6569.2707	0.2506	11671.2000	##	Node6	29.0000	29.1548
Link12	-2.1643	-12874.0328	-1.9825	43.4000	##	Node8	25.0000	26.7536
Link13	2.1697	12991.1190	7.3044	31.5090	##	Node20	26.0000	26.3903
Link14	-1.2089	-8579.9377	-0.6844	431.2000	##	Node9	24.0000	26.0816
Link15	-1.2083	-8889.6548	-2.1264	64.8169	##	Node10	24.0000	26.0816
Link19	-0.0742	-1364.9316	-1.1092	4.6908	##	Node12	24.0000	26.0827
Link16	1.0833	4778.2564	0.4746	276.8902	##	Node14	25.0000	26.0826
Link17	1.0647	4752.1747	3.4463	3.3698	##	Node15	25.0000	26.0833
Link18	1.2022	7606.2306	0.5114	148.9936	##	Node19	25.0000	26.0824
Link11	-2.4526	6201.1421	4.6458	83.5030	##	Node16	26.0000	26.4286
Link20C	7.3265	113310.5933	1.3601	3659.5900	##	Node17	26.0000	26.3578
Link22	2.3146	34993.3966	2.0412	21.9236	##	Node18	26.0000	26.2466
Link23	3.7151	62922.6392	1.9168	83.1108	##	Node11	25.5000	26.3784
Link24	6.6614	103108.5670	2.7078	376.7080	##	Node20B	25.0000	26.2025
Link25	8.4628	162108.7636	1.4105	105.0000	##	Node30	24.0000	26.1947
Link26	3.5821	39229.3425	2.5496	68.7686	##	Node22	31.0000	31.2043
Link27	13.4743	407200.2207	4.9304	1054.8046	##	Node23	29.0000	29.3608
Link30	10.8937	611636.0029	4.5590	512.8834	##	Node24	28.0000	28.3868
Link31	11.7650	704768.1987	9.5032	26.6844	##	Node25	25.0000	26.7014
Link34A	-20.8872	-982682.480	-0.6793	4371.4200	##	Node27	25.0000	26.6820
Link35	20.8606	1038257.262	0.2371	7911.2000	##	Node26	30.0000	30.1729
Link37	6.3190	59103.1588	0.8173	6426.1800	##	Node29	23.0000	26.1977
Link38	4.4721	50476.3547	0.3782	11403.8120	##	Node28	23.0000	26.2056
Link39	-6.5377	-84880.8033	2.9513	739.8851	##	Node31	23.0000	25.8739
Link40	24.5384	375363.9914	18.2602	44.9246	##	Node35	19.0000	22.4215
Link44	7.8110	56150.9143	1.9527	1181.6000	##	Node34	21.0000	22.4449
Link45	9.6394	147910.3205	2.0875	1558.3016	##	Node36	19.0000	22.4202
Link46	21.5950	1312927.423	5.0206	788.6854	##	Node37	24.0000	25.0706
Link47	1.1953	76533.7061	0.3666	690.0000	##	Node39	21.0000	25.0547
Link48	1.2005	76535.5009	6.0321	12.2588	##	Node38	23.0000	25.0557
Link49	22.9176	1396527.205	11.8200	106.8443	##	Node40	25.0000	28.5793
Link50	1.3265	24103.1244	2.6042	72.2584	##	Node41	23.0000	28.4783
Link51	30.4361	1451779.198	1.0100	42441.0443	##	Node42	22.0000	27.6336
Link52	3.2141	44354.4424	2.5991	54.4181	##	Node46	21.0000	23.1947
Link53	3.7610	59754.1297	0.5889	2308.8000	##	Node43	23.0000	27.5217
Link54	4.8496	274095.8685	2.7218	633.3908	##	Node44	22.0000	23.7086
Link55D	18.8756	368590.5860	8.2540	215.3016	##	Node49	21.0000	22.5109
Link58	21.9297	486382.4951	0.2679	69790.7462	##	Node47	22.0000	23.6871

Link59	3.8783	39960.2582	3.2703	51.7623	##	Node48	22.0000	23.6837
Link60	4.2114	51794.7548	5.2614	39.5544	##	Node51	20.0000	22.4629
Link63	35.8177	2020340.155	0.6175	13815.6000	##	Node50	22.0000	22.5062
Link36	19.6456	1038521.062	3.8542	260.6423	##	Node61	19.0000	22.4491
Link64	54.6925	3070334.708	1.2430	4840.0000	##	Node52	24.0000	28.6196
Link65	55.2477	3110401.035	0.7174	21390.6400	##	Node53	24.0000	28.6087
Link67	62.1729	3425465.854	1.6578	4496.0000	##	Node54	25.0000	28.6086
Link20A	2.4212	68488.2530	1.2189	853.1387	##	Node55D	21.0000	22.4943
Link36A	19.7075	1044908.735	1.5160	864.5000	##	Node56	20.0000	22.5899
Link57A	1.6477	12486.6456	1.8082	34.9850	##	Node58	19.0000	22.4494
Link57B	3.7620	31668.2755	4.7184	61.1770	##	Node59	22.0000	23.7578
Link56	19.6327	424475.3665	6.3347	432.8640	##	Node60	22.0000	22.7880
Link32A	6.2179	35406.5752	0.8883	1760.9900	##	Node63	19.0000	22.3015
Link32	12.0548	739006.7454	1.7221	1712.6900	##	Node64	19.0000	22.2708
Link66B	7.9467	156606.2540	4.6445	340.6823	##	Node65	19.0000	22.2280
Link66A	11.5216	156603.3944	0.8390	17999.3000	##	Node67	18.0000	22.2023
Link66C	10.1602	206132.2409	0.1080	56383.7760	##	Node66	21.0000	22.6961
XS #1A	118.5303	3316583.819	3.1691	33628.5988	##	125	15.5000	22.1597
XS #2	119.5421	5859876.387	1.3326	38473.1513	##	Node36A	19.0000	22.3553
XS #3	115.7667	5860369.789	1.4273	17004.0144	##	Node57A	22.0000	22.9243
XS #4	104.5508	6768377.655	1.2213	12800.1040	##	Node57B	22.0000	22.7506
XS #5	99.4862	6761194.802	1.8801	67223.2966	##	Node32	22.0000	23.5969
XS #6	95.8131	6751744.486	1.2945	51037.2504	##	Node32A	22.0000	23.2369
XS #7	93.5291	6737357.920	1.6045	95665.7031	##	Node33	22.0000	23.1177
XS #8	91.5421	6727951.644	1.6549	48464.8468	##	Node66B	20.0000	22.6787
XS #9	437.2450	-10122410.5	19.8256	7399.6896	##	Node66A	20.0000	22.6951
XS #10	142.5686	10123771.30	3.5444	35490.5887	##	Node66C	18.0000	22.2033
STUB	319.0533	12592398.57	14.9686	99.2014	##	2	18.4100	23.7314
FRONTAGE	379.7188	12880314.08	21.0019	1393.1657	##	4	18.5300	25.8697
HWY 17 S	387.2340	12992957.71	13.0916	1778.0503	##	8	18.3000	25.5901
HWY 17 N	395.9630	13125650.61	13.7659	2012.0095	##	15	18.2000	25.5610
PARKINGLOT	-428.3773	-13628132.4	-15.0496	2015.5647	##	17	18.1000	23.0858
TO LAKE	-429.1179	-13627121.4	-15.3765	5098.1908	##	19	18.0000	22.6658
61	149.1403	1209837.480	3.0129	17315.2185	##	25	17.2000	21.8575
62	94.6181	1200629.912	2.1565	63960.0000	##	30	16.2000	21.7133
XS #3a	109.6247	6769240.591	1.2600	5698.5335	##	32	16.3000	20.4677
XS MALLARD	67.9580	908592.6968	4.9235	6221.8900	##	34	14.3200	20.4491
80	-45.7083	-398585.694	-2.5393	2694.8784	##	36	14.3200	19.2114
8x4 Box	349.3280	14787567.56	11.1650	2124.1687	##	38	11.9200	18.7995
Clvt 10	-87.2801	-2620044.37	-3.6829	1301.5154	##	41	10.9400	18.3203
Palmt0 Lk	28.2353	2608733.097	0.9706	42205.8123	##	45	9.1200	17.7292
Clvt 7	23.3381	2594352.526	2.6635	372.0613	##	48	9.6000	17.0458
Chan A	23.3387	2592998.902	1.2704	4955.8259	##	52	22.6000	26.1194
Clvt 6	23.3420	2591895.107	3.3283	288.2051	##	55	22.1000	27.3694
Chan B	23.3464	2591219.717	1.6764	2924.2679	##	56	22.5000	28.2879
Clvt 5	23.3571	2590797.157	2.7690	357.5524	##	63	18.4000	25.6189
Chan C	-23.3844	-2589983.59	-1.3114	7174.1131	##	64	20.4100	25.6188
Chan D	83.5613	3541794.120	1.9247	7062.2035	##	68	20.9600	25.6096
Oak Clvt	41.7873	3541844.517	2.6485	1150.9521	##	76	19.0000	23.0958
Chan E	83.5908	3541858.318	1.5553	8414.0438	##	78	21.5000	24.3812
Clvt2 Out	90.9726	7338064.943	3.2271	2245.6071	##	Lk-Elzbth	7.6700	11.4661
Clvt1 Out	-398.4279	-13422249.3	-14.2184	1177.0309	##	Dgwood Lk	3.9500	8.1364
Lined Ch	398.4283	13422288.42	6.5544	4557.4008	##	44b	6.2300	8.1288
Link20B	1.5489	9143.8273	0.3366	539.9900	##	46b	5.4600	8.0705
Link20	2.3265	63665.5167	1.1942	10.3732	##	48b	5.1700	7.9913
Link33	15.9516	774382.7443	7.5729	330.0069	##	50b	5.1700	7.6924
Link33A	16.1431	777154.8472	9.0627	240.2639	##	52b	5.3500	7.5410
Link33C	25.5065	903726.2982	0.7552	21065.4000	##	54b	4.5200	7.0655

Link33D	22.1831	903592.7676	4.5034	330.6786	##	56b	4.3800	6.9658
Link33E	24.5245	929551.0917	4.9790	783.5933	##	Myrtle Lk	4.2000	6.2678
Link33B	16.8660	784820.1872	5.2324	388.5253	##	60b	2.5700	6.0976
Link34	5.7504	61754.0481	0.6006	22913.2898	##	Holly Lk	4.7500	6.4864
Link54B	-20.3794	-256437.065	-0.9704	12660.9000	##	63b	4.3300	6.3642
Link54A	-20.4732	-297649.282	-0.9749	105.0000	##	65b	4.2400	6.3165
Link55A	4.7724	277595.9290	0.4772	663.4000	##	69b	2.5100	6.0000
Link55B	4.7197	277603.4011	2.9250	83.4656	##	71b	3.4200	6.8302
Link55C	4.7197	277595.2311	1.6077	941.3209	##	73b	5.3000	9.2858
Link43A	7.9649	-31551.7066	1.1676	830.0000	##	38b	3.2300	7.9313
Link42A	24.2798	1068040.437	1.5744	970.0000	##	Channel	3.2600	6.2828
Link42	-25.1898	-1062299.91	-1.2595	2794.0000	##	Node20C	25.0000	26.2025
Link43B	18.6737	1099834.901	1.0114	2422.5000	##	Node20A	26.0000	26.3804
Link43	-7.1328	26403.1430	-0.9745	1584.0000	##	Node33A	21.0000	22.5416
Link43C	17.6660	1100000.803	9.9187	96.3321	##	Node33B	19.6000	22.8003
Link43D	17.6796	1108864.986	9.9759	152.1291	##	Node33E	18.2500	22.6104
Link39A	6.5431	84691.8540	3.7525	86.4110	##	Node33D	18.5300	22.6768
Link39B	9.6358	147820.5798	6.5969	168.1192	##	Node34A	17.6900	22.4447
XS #1B	50.5792	2901106.962	2.6097	9335.1704	##	Node33C	19.1700	22.6824
ToLake	-55.3488	-2186125.59	1.5319	28073.4757	##	Node54B	25.0000	28.5795
Link224	-47.3365	-669051.196	-9.5519	418.1217	##	Node55A	23.0000	25.1765
Link225	148.4417	911370.7351	22.2856	468.0000	##	Node55B	23.0000	25.1622
18"RCP	41.3037	192879.7108	35.3302	13.2259	##	Node55C	23.0000	23.2436
36"Stub	20.2774	95141.8599	13.2374	38.1693	##	Node42A	25.0000	27.5490
18"RCP2	7.5873	62431.7676	8.4348	26.9909	##	Node43A	24.0000	27.5216
18"RCP1	6.5757	50241.2681	7.8545	26.9909	##	Node43B	25.0000	27.5216
12"RCP1	8.3598	64686.4447	19.8159	11.8931	##	Node43C	24.0000	27.4871
12"RCP2	7.9913	68012.2082	20.2637	11.7956	##	Node43D	24.0000	26.2537
24"RCP 1	7.3076	60296.8243	8.6450	78.9954	##	Node39A	23.0000	24.9928
Link62	35.5798	2008136.826	7.2326	124.5319	##	Node39B	24.0000	24.8354
Link61	35.7033	2008164.154	0.5225	23791.7058	##	1B	20.9000	23.8005
Link2	1.6011	28068.2804	0.4249	255.0504	##	1A	20.9000	25.8430
Link3	1.7033	29131.4900	-1.0667	121.3181	##	53A	20.9044	26.1038
Link66	2.7862	51408.0802	0.4624	2418.2046	##	53B	20.9206	26.0235
Link69	62.2191	3424720.652	4.3180	2245.5164	##	Node214	26.0000	29.2104
24" RCP 2	7.3910	60306.9010	4.6231	65.8677	##	Node215	22.0000	30.8672
48" RCP	24.9943	95146.3077	6.0833	770.2128	##	Ditch	20.0000	21.0031
8.1	-1.1622	-30006.7957	3.4686	16.1374	##	Node217	17.0600	19.2570
8.2	-1.1622	-30006.7957	3.4686	16.1374	##	Node219	17.5000	19.1896
29.1	5.5295	-27526.0543	10.9093	14.1279	##	Node220	15.0000	18.8225
29.2	5.5295	-27526.0543	10.9093	14.1279	##	CB 2	15.0000	18.8170
28.1	-1.5425	9669.2223	-4.3723	16.4504	##	CB 1	15.0000	18.8167
28.2	-1.6762	10463.2489	-4.7515	14.1903	##	Node223	18.0000	18.9339
28.3	-0.7235	4382.9775	-3.6333	8.4805	##	Node224	18.0000	18.8492
41.1	18.5401	721399.1861	10.3389	90.3210	##	Node225	16.0000	18.8285
41.2	9.2732	359912.4712	5.1712	90.3210	##	Node 13	24.0000	26.0828
Spanish1	100.3267	-2388589.54	20.7745	231.5676	##	Node45	23.0000	23.9307
IndianDr1	102.4708	6767430.609	14.3756	311.2269	##	Node62	19.0000	22.4472
2@42" RCP	47.2812	6748082.122	4.9042	1204.7475	##	1	21.1000	25.8682
Driveway1	-142.4569	-10125138.4	-5.5551	1207.7619	##	123	15.3000	22.1267
2@24"	34.3954	907776.2619	10.8840	256.6492	##	6	18.4000	25.6882
Seaweed.1	-30.9925	-1680763.13	-6.2896	474.2104	##	21	17.9000	22.5748
68.1	42.4415	2342168.696	3.3710	690.2980	##	23	17.5000	22.2582
68.2	19.7645	1083128.889	2.7830	388.2926	##	27	15.6000	21.7282
WEIR#1	0.0000	0.0000	0.0000	0.0000	##			
WEIR#2	0.0000	0.0000	0.0000	0.0000	##			
WEIR#3	0.0000	0.0000	0.0000	0.0000	##			
WEIR#4	0.0000	0.0000	0.0000	0.0000	##			

WEIR#5	0.0000	0.0000	0.0000	0.0000	##
WEIR#8	-22.0468	-198949.817	0.0000	0.0000	##
WEIR#9	-23.5753	-199914.950	0.0000	0.0000	##
WEIR#10	29.9113	238525.5157	0.0000	0.0000	##
WEIR#11	92.9446	2336262.367	0.0000	0.0000	##
WEIR#12	0.0000	0.0000	0.0000	0.0000	##
WEIR#13	226.4732	12213149.23	0.0000	0.0000	##
WEIR#14	398.4262	13421296.57	0.0000	0.0000	##
WEIR#15	0.0000	0.0000	0.0000	0.0000	##
WEIR#16	181.9446	7338062.917	0.0000	0.0000	##
WEIR#17	0.0000	0.0000	0.0000	0.0000	##
WeirA	25.3302	1362950.617	0.0000	0.0000	##
WeirB	25.4063	1541067.142	0.0000	0.0000	##
Weir1	52.6104	520170.6629	0.0000	0.0000	##
WEIR#6	15.5572	221446.7493	0.0000	0.0000	##
WEIR#7	-48.6231	948097.7329	0.0000	0.0000	##
FREE # 1	181.9453	7338102.307	0.0000	0.0000	##
FREE # 2	398.4283	13422379.72	0.0000	0.0000	##

#####  
# Table E16. New Conduit Information Section #  
# Conduit Invert (IE) Elevation and Conduit #  
# Maximum Water Surface (WS) Elevations #  
#####

Conduit Name	Upstream Node	Downstream Node	IE Up	IE Dn	WS Up	WS Dn	Conduit Type
Link1	Node1	Node2	32.0000	31.0000	32.1383	31.0634	Trapezoid
Link4	Node4	Node7	27.0000	27.0000	28.3205	28.3204	Trapezoid
Link5	Node5	Node6	31.0000	29.0000	31.2212	29.1548	Circular
Link6	Node6	Node7	29.0000	27.0000	29.1548	28.3204	Trapezoid
Link7	Node7	Node8	28.0000	25.0000	28.3204	26.7536	Circular
Link9	Node9	Node10	24.0000	24.0000	26.0816	26.0816	Trapezoid
Link10	Node10	Node12	24.0000	24.0000	26.0816	26.0827	Trapezoid
Link12	Node12	Node 13	24.0000	24.0000	26.0827	26.0828	Trapezoid
Link13	Node14	Node 13	25.0000	24.0000	26.0826	26.0828	Circular
Link14	Node14	Node15	25.0000	25.0000	26.0826	26.0833	Trapezoid
Link15	Node15	Node19	25.0000	25.0000	26.0833	26.0824	Circular
Link19	Node19	Node20	26.0000	26.0000	26.0955	26.3903	Circular
Link16	Node16	Node17	26.0000	26.0000	26.4286	26.3578	Trapezoid
Link17	Node17	Node18	26.0000	26.0000	26.3578	26.2466	Circular
Link18	Node18	Node19	26.0000	26.0000	26.2466	26.0824	Trapezoid
Link11	Node11	Node12	25.5000	24.0000	26.3784	26.0827	Circular
Link20C	Node20C	Node30	25.0000	24.0000	26.2025	26.1947	Trapezoid
Link22	Node22	Node23	31.0000	29.0000	31.2043	29.3608	Trapezoid
Link23	Node23	Node24	29.0000	28.0000	29.3608	28.3868	Trapezoid
Link24	Node24	Node25	28.0000	25.0000	28.3868	26.7014	Trapezoid
Link25	Node25	Node27	25.0000	25.0000	26.7014	26.6820	Trapezoid
Link26	Node26	Node27	30.0000	25.0000	30.1729	26.6820	Trapezoid
Link27	Node27	Node30	25.0000	24.0000	26.6820	26.1947	Circular
Link30	Node30	Node31	24.0000	23.0000	26.1947	25.8739	Circular
Link31	Node31	Node32	23.0000	22.0000	25.8739	23.5969	Circular
Link34A	Node35	Node34A	19.0000	17.6900	22.4215	22.4447	Trapezoid
Link35	Node35	Node36	19.0000	19.0000	22.4215	22.4202	Trapezoid
Link37	Node37	Node39	24.0000	21.0000	25.0706	25.0547	Trapezoid
Link38	Node38	Node39	23.0000	21.0000	25.0557	25.0547	Trapezoid
Link39	Node39A	Node39	24.0000	21.0000	24.9928	25.0547	Circular
Link40	Node40	Node41	25.0000	23.0000	28.5793	28.4783	Circular
Link44	Node44	Node46	22.0000	21.0000	23.7086	23.1947	Trapezoid
Link45	Node45	Node46	23.0000	21.0000	23.9307	23.1947	Trapezoid
Link46	Node46	Node49	21.0000	21.0000	23.1947	22.5109	Circular
Link47	Node47	Node48	22.0000	22.0000	23.6871	23.6837	Trapezoid
Link48	Node48	Node49	22.0000	21.0000	23.6837	22.5109	Circular
Link49	Node49	Node51	21.0000	20.0000	22.5109	22.4629	Circular
Link50	Node50	Node51	22.0000	20.0000	22.5062	22.4629	Circular
Link51	Node51	Node61	20.0000	19.0000	22.4629	22.4491	Trapezoid
Link52	Node52	Node53	24.0000	24.0000	28.6196	28.6087	Circular
Link53	Node53	Node54	26.0000	26.0000	28.6087	28.6086	Trapezoid
Link54	Node54	Node55A	25.0000	23.0000	28.6086	25.1765	Circular
Link55D	Node55D	Node56	21.0000	20.0000	22.4943	22.5899	Circular
Link58	Node58	Node61	19.0000	19.0000	22.4494	22.4491	Trapezoid
Link59	Node59	Node60	22.0000	22.0000	23.7578	22.7880	Circular
Link60	Node60	Node61	22.0000	19.0000	22.7880	22.4491	Circular
Link63	Node63	Node64	19.0000	19.0000	22.3015	22.2708	Trapezoid
Link36	Node36	Node36A	19.0000	19.0000	22.4202	22.3553	Circular
Link64	Node64	Node65	19.0000	19.0000	22.2708	22.2280	Trapezoid
Link65	Node65	Node67	19.0000	19.0000	22.2280	22.2023	Trapezoid
Link67	Node67	125	18.0000	18.0000	22.2023	22.1597	Trapezoid
Link20A	Node20A	Node20C	26.0000	25.0000	26.3804	26.2025	Trapezoid
Link36A	Node36A	Node64	19.0000	19.0000	22.3553	22.2708	Trapezoid
Link57A	Node57A	Node57B	22.0000	22.0000	22.9243	22.7506	Circular
Link57B	Node57B	Node58	22.0000	19.0000	22.7506	22.4494	Circular
Link56	Node56	Node58	20.0000	19.0000	22.5899	22.4494	Circular
Link32A	Node32A	Node33	22.0000	22.0000	23.2369	23.1177	Trapezoid
Link32	Node32	Node33	22.0000	22.0000	23.5969	23.1177	Trapezoid
Link66B	Node66B	Node66C	20.0000	18.0000	22.6787	22.2033	Circular
Link66A	Node66A	Node66B	20.0000	20.0000	22.6951	22.6787	Trapezoid
Link66C	Node66C	Node67	18.0000	18.0000	22.2033	22.2023	Trapezoid
XS #1A	1	1A	21.1000	20.9000	25.8682	25.8430	Natural
XS #2	4	6	18.5300	18.4000	25.8697	25.6882	Natural
XS #3	6	63	18.4000	18.4000	25.6882	25.6189	Natural
XS #4	8	15	18.3000	18.2000	25.5901	25.5610	Natural
XS #5	17	19	18.1000	18.0000	23.0858	22.6658	Natural
XS #6	19	21	18.0000	17.9000	22.6658	22.5748	Natural
XS #7	23	25	17.5000	17.2000	22.2582	21.8575	Natural
XS #8	25	27	17.2000	15.6000	21.8575	21.7282	Natural



XS #9	30	27	16.2000	15.6000	21.7133	21.7282	Natural
XS #10	32	34	16.3000	15.4300	20.4677	20.4491	Natural
STUB	34	36	15.3000	14.5000	20.4491	19.2114	Circular
FRONTAGE	36	38	14.3200	12.1000	19.2114	18.7995	Circular
HWY 17 S	38	41	11.9200	11.0000	18.7995	18.3203	Circular
HWY 17 N	41	45	10.9400	9.8900	18.3203	17.7292	Circular
PARKINGLOT	48	45	9.9000	9.1200	17.0458	17.7291	Circular
TO LAKE	Lk-Elzbtb	48	9.8700	9.6100	15.3176	17.0458	Circular
61	56	55	22.5000	22.1000	28.2879	27.3694	Natural
62	55	1	22.1000	21.1000	27.3694	25.8682	Natural
XS #3a	63	8	18.4000	18.3000	25.6189	25.5901	Natural
XS MALLARD	64	63	20.4100	18.4000	25.6188	25.6189	Natural
80	78	68	21.5000	20.9600	24.3812	25.6096	Natural
8x4 Box	73b	Dgwood Lk	5.3000	5.0300	9.2858	8.8542	Rectangle
Clvt 10	44b	Dgwood Lk	6.2300	5.4200	8.1288	8.1364	Rectangle
Palmt0 Lk	44b	46b	6.2300	5.4600	8.1288	8.0705	Natural
Clvt 7	46b	48b	5.4600	5.1700	8.0705	7.9913	Circular
Chan A	48b	50b	5.5100	5.1700	7.9913	7.6924	Natural
Clvt 6	50b	52b	5.5100	5.3500	7.6924	7.5410	Circular
Chan B	52b	54b	5.3500	4.5200	7.5410	7.0655	Natural
Clvt 5	54b	56b	4.5200	4.3800	7.0655	6.9658	Circular
Chan C	Myrtle Lk	56b	4.5000	4.3800	6.2678	6.9658	Natural
Chan D	Holly Lk	63b	4.7500	4.3300	6.4864	6.3642	Trapezoid
Oak Clvt	63b	65b	4.3300	4.2400	6.3642	6.3165	Rectangle
Chan E	65b	Myrtle Lk	4.2400	4.2000	6.3165	6.2678	Trapezoid
Clvt2 Out	60b	69b	2.5700	2.5100	6.0976	6.0000	Rectangle
Clvt1 Out	71b	38b	3.4600	3.2300	7.4600	7.9313	Rectangle
Lined Ch	71b	Channel	3.4200	3.2600	6.8302	6.2828	Natural
Link20B	Node20B	Node20C	25.0000	25.0000	26.2025	26.2025	Trapezoid
Link20	Node20	Node20A	26.0000	26.0000	26.3903	26.3804	Trapezoid
Link33	Node33	Node33A	22.0000	21.0000	23.1177	22.5416	Circular
Link33A	Node33A	Node33B	21.0000	19.6000	22.5416	22.8004	Circular
Link33C	Node33C	Node33D	19.1700	18.5300	22.6824	22.6768	Trapezoid
Link33D	Node33D	Node33E	18.5300	18.2500	22.6768	22.6104	Circular
Link33E	Node33E	Node34A	18.2500	17.6900	22.6104	22.4447	Circular
Link33B	Node33B	Node33C	19.6000	19.1700	22.8003	22.6824	Circular
Link34	Node34	Node34A	21.0000	17.6900	22.4449	22.4447	Trapezoid
Link54B	Node54B	Node54	25.0000	25.0000	28.5795	28.6086	Trapezoid
Link54A	Node40	Node54B	25.0000	25.0000	28.5793	28.5795	Trapezoid
Link55A	Node55A	Node55B	23.0000	23.0000	25.1765	25.1622	Trapezoid
Link55B	Node55B	Node55C	23.0000	23.0000	25.1622	23.2436	Circular
Link55C	Node55C	Node55D	23.0000	21.0000	23.2436	22.4943	Trapezoid
Link43A	Node43B	Node43A	25.0000	24.0000	27.5216	27.5216	Trapezoid
Link42A	Node42A	Node43B	25.0000	25.0000	27.5490	27.5216	Trapezoid
Link42	Node42A	Node42	25.0000	24.0000	27.5490	27.6336	Trapezoid
Link43B	Node43B	Node43C	25.0000	24.5000	27.5216	27.4871	Trapezoid
Link43	Node43	Node43A	24.0000	24.0000	27.5217	27.5216	Trapezoid
Link43C	Node43C	Node43D	24.0000	24.0000	27.4871	26.2537	Circular
Link43D	Node43D	Node46	24.0000	22.0000	26.2537	23.5000	Circular
Link39A	Node39A	Node39B	24.0000	24.0000	24.9928	24.8354	Circular
Link39B	Node39B	Node45	24.0000	23.0000	24.8354	23.9307	Circular
XS #1B	1B	2	20.9000	20.7000	23.8005	23.7314	Natural
ToLake	1	53B	21.1000	20.9206	25.8682	26.0235	Natural
Link224	53A	Node215	24.0004	22.0000	26.2586	30.8672	Circular
Link225	Node214	53A	26.0000	24.0004	29.2104	27.0004	Circular
18"RCP	Ditch	36	20.0000	14.3200	21.0031	19.2114	Circular
36"Stub	Node219	Node217	17.5000	17.0600	19.1896	19.2570	Circular
18"RCP2	CB 2	38	15.0000	13.0000	18.8170	18.7995	Circular
18"RCP1	CB 1	38	15.0000	13.0000	18.8167	18.7995	Circular
12"RCP1	Node223	41	18.0000	15.0000	18.9339	18.3203	Circular
12"RCP2	Node224	41	18.0000	15.0000	18.8492	18.3203	Circular
24"RCP 1	Node225	Node220	16.0000	15.0000	18.8285	18.8225	Circular
Link62	Node62	Node63	19.0000	19.0000	22.4472	22.3015	Circular
Link61	Node61	Node62	19.0000	19.0000	22.4491	22.4472	Trapezoid
Link2	Node2	Node3	31.0000	27.0000	31.0634	28.3355	Trapezoid
Link3	Node3	Node4	27.0000	27.0000	28.3355	28.3205	Circular
Link66	Node66	Node66A	21.0000	20.0000	22.6961	22.6951	Trapezoid
Link69	123	27	18.0000	18.0000	22.1267	21.7282	Circular
24" RCP 2	Node220	CB 2	15.0000	15.0000	18.8225	18.8170	Circular
48" RCP	Node217	36	17.0600	14.3200	19.2570	19.2114	Circular
8.1	Node20	Node8	26.0000	25.0000	26.3903	26.7536	Circular
8.2	Node20	Node8	26.0000	25.0000	26.3903	26.7536	Circular
29.1	Node30	Node29	24.0000	23.0000	26.1947	26.1977	Circular
29.2	Node30	Node29	24.0000	23.0000	26.1947	26.1977	Circular
28.1	Node28	Node29	23.0000	23.0000	26.2056	26.1977	Circular
28.2	Node28	Node29	23.0000	23.0000	26.2056	26.1977	Circular
28.3	Node28	Node29	23.0000	23.0000	26.2056	26.1977	Circular

41.1	Node41	Node42	23.0000	22.0000	28.4783	27.6336	Circular
41.2	Node41	Node42	23.0000	22.0000	28.4783	27.6336	Circular
Spanish1	4	2	18.5300	18.4100	25.8697	23.7314	Circular
IndianDr1	15	17	18.2000	18.1000	25.5610	23.0858	Circular
2@42" RCP	21	23	17.9000	17.5000	22.5748	22.2582	Circular
Driveway1	32	30	16.3000	16.2000	20.4677	21.7133	Circular
2@24"	68	64	20.9600	20.4100	25.6096	25.6188	Circular
Seaweed.1	53B	53A	20.9206	20.9044	26.0235	26.1038	Circular
68.1	125	123	16.8200	16.7800	22.1597	22.1267	Circular
68.2	125	123	16.8200	16.7800	22.1597	22.1267	Circular

```

*=====
| Table E20 - Junction Flooding and Volume Listing. |
| The maximum volume is the total volume |
| in the node including the volume in the |
| flooded storage area. This is the max |
| volume at any time. The volume in the |
| flooded storage area is the total volume |
| above the ground elevation, where the |
| flooded pond storage area starts. |
| The fourth column is instantaneous, the fifth is the |
| sum of the flooded volume over the entire simulation |
| Units are either ft^3 or m^3 depending on the units. |
*=====

```

Junction Name	Surcharged Time (min)	Flooded Time(min)	Out of 1D-System (Flooded Volume)	Maximum Volume	Passed to 2D cell OR Volume Stored in allowed Flood Pond of 1D-System
Node1	0.0000	0.0000	0.0000	1566.3949	0.0000
Node2	0.0000	0.0000	0.0000	369.4044	0.0000
Node3	0.0000	0.0000	0.0000	16.7814	0.0000
Node4	0.0000	0.0000	0.0000	16.5940	0.0000
Node7	0.0000	0.0000	0.0000	16.5923	0.0000
Node5	0.0000	0.0000	0.0000	2.7795	0.0000
Node6	0.0000	0.0000	0.0000	1.9454	0.0000
Node8	293.3583	0.0000	0.0000	26152.0887	0.0000
Node20	0.0000	0.0000	0.0000	2476.1871	0.0000
Node9	1914.8083	0.0000	0.0000	36581.6049	0.0000
Node10	1914.7500	1915.0083	0.0000	450.1177	1626.4645
Node12	1914.5250	0.0000	0.0000	26127.2046	0.0000
Node14	0.0000	0.0000	0.0000	13.6039	0.0000
Node15	0.0000	0.0000	0.0000	13.6133	0.0000
Node19	0.0000	0.0000	0.0000	13.6020	0.0000
Node16	0.0000	0.0000	0.0000	5.3857	0.0000
Node17	0.0000	0.0000	0.0000	4.4961	0.0000
Node18	0.0000	0.0000	0.0000	3.0989	0.0000
Node11	0.0000	0.0000	0.0000	11.0377	0.0000
Node20B	292.7167	0.0000	0.0000	15.1112	0.0000
Node30	284.9167	0.0000	0.0000	8807.8217	0.0000
Node22	0.0000	0.0000	0.0000	2220.7493	0.0000
Node23	0.0000	0.0000	0.0000	4401.3870	0.0000
Node24	0.0000	0.0000	0.0000	1179.1005	0.0000
Node25	596.0917	0.0000	0.0000	30305.5222	0.0000
Node27	0.0000	0.0000	0.0000	110956.0499	0.0000
Node26	0.0000	0.0000	0.0000	2861.5225	0.0000
Node29	2491.0167	0.0000	0.0000	92266.3328	0.0000
Node28	2487.0583	0.0000	0.0000	44596.6448	0.0000
Node31	716.5500	0.0000	0.0000	40541.2816	0.0000
Node35	908.4333	908.4583	0.0000	15740.9138	26851.4658
Node34	0.0000	0.0000	0.0000	18.1567	0.0000
Node36	628.3000	348.9167	0.0000	2649.1458	4589.1340
Node37	62.3667	0.0000	0.0000	13.4531	0.0000
Node39	2511.9417	2501.6250	0.0000	9393.2914	21605.0224
Node38	57.0417	57.0833	0.0000	311.7217	681.6265
Node40	864.6083	0.0000	0.0000	22163.3177	0.0000
Node41	2463.0333	0.0000	0.0000	231231.4446	0.0000
Node42	2445.7333	0.0000	0.0000	56976.1980	0.0000
Node46	0.0000	0.0000	0.0000	27.5789	0.0000
Node43	2429.3833	0.0000	0.0000	42497.0525	0.0000
Node44	326.3417	0.0000	0.0000	21.4696	0.0000
Node49	0.0000	0.0000	0.0000	18.9855	0.0000
Node47	677.8750	0.0000	0.0000	38256.5881	0.0000
Node48	675.9833	0.0000	0.0000	21.1574	0.0000
Node51	0.0000	0.0000	0.0000	30.9489	0.0000
Node50	0.0000	0.0000	0.0000	6143.0235	0.0000
Node61	0.0000	0.0000	0.0000	43.3415	0.0000
Node52	2507.3000	0.0000	0.0000	8706.5346	0.0000
Node53	744.6583	0.0000	0.0000	39308.4608	0.0000
Node54	744.6583	0.0000	0.0000	35355.1926	0.0000
Node55D	0.0000	0.0000	0.0000	15049.6424	0.0000
Node56	23.1417	0.0000	0.0000	9846.1787	0.0000
Node58	0.0000	0.0000	0.0000	43.3452	0.0000
Node59	69.7583	0.0000	0.0000	10276.2520	0.0000
Node60	0.0000	0.0000	0.0000	6282.1632	0.0000
Node63	552.3250	0.0000	0.0000	41.4873	0.0000
Node64	867.4333	867.4417	0.0000	12843.7177	30926.4628

Node65	856.6083	0.0000	0.0000	40.5631	0.0000
Node67	197.6917	0.0000	0.0000	52.8055	0.0000
Node66	0.0000	0.0000	0.0000	15626.5897	0.0000
125	168.8000	0.0000	0.0000	83.6862	0.0000
Node36A	590.8917	310.7167	0.0000	2170.6136	2814.7611
Node57A	0.0000	0.0000	0.0000	3339.4159	0.0000
Node57B	0.0000	0.0000	0.0000	5358.6421	0.0000
Node32	839.3167	0.0000	0.0000	20.0668	0.0000
Node32A	306.6250	0.0000	0.0000	15.5427	0.0000
Node33	0.0000	0.0000	0.0000	14.0446	0.0000
Node66B	111.7083	0.0000	0.0000	33.6603	0.0000
Node66A	116.2667	0.0000	0.0000	33.8664	0.0000
Node66C	197.2417	0.0000	0.0000	52.8183	0.0000
2	0.0000	0.0000	0.0000	2567688.958	0.0000
4	216.4167	0.0000	0.0000	92.2310	0.0000
8	161.3917	0.0000	0.0000	91.6080	0.0000
15	168.9917	0.0000	0.0000	92.4978	0.0000
17	0.0000	0.0000	0.0000	62.6520	0.0000
19	0.0000	0.0000	0.0000	58.6306	0.0000
25	0.0000	0.0000	0.0000	58.5265	0.0000
30	0.0000	0.0000	0.0000	69.2804	0.0000
32	0.0000	0.0000	0.0000	52.3708	0.0000
34	0.0000	0.0000	0.0000	77.0178	0.0000
36	0.0000	0.0000	0.0000	61.4652	0.0000
38	22.9083	0.0000	0.0000	86.4473	0.0000
41	32.2583	0.0000	0.0000	92.7404	0.0000
45	45.1583	0.0000	0.0000	108.1836	0.0000
48	38.0250	0.0000	0.0000	93.5639	0.0000
52	2983.8333	0.0000	0.0000	1975804.493	0.0000
55	747.6500	747.7083	0.0000	24381.7153	105370.7462
56	141.1667	141.1833	0.0000	44313.2152	73408.1122
63	232.4417	52.8083	0.0000	1761.9513	4643.0424
64	106.0167	0.0000	0.0000	65.4537	0.0000
68	251.7333	0.0000	0.0000	289204.4016	0.0000
76	2558.3833	0.0000	0.0000	466665.9810	0.0000
78	158.5917	158.6083	0.0000	2351.6260	4087.6980
Lk-Elzbth	0.0000	0.0000	0.0000	1416793.205	0.0000
Dgwood Lk	0.0000	0.0000	0.0000	2558418.125	0.0000
44b	0.0000	0.0000	0.0000	23.8609	0.0000
46b	0.0000	0.0000	0.0000	32.8038	0.0000
48b	0.0000	0.0000	0.0000	35.4530	0.0000
50b	0.0000	0.0000	0.0000	31.6967	0.0000
52b	0.0000	0.0000	0.0000	27.5323	0.0000
54b	0.0000	0.0000	0.0000	31.9874	0.0000
56b	0.0000	0.0000	0.0000	32.4937	0.0000
Myrtle Lk	0.0000	0.0000	0.0000	116251.6558	0.0000
60b	0.0000	0.0000	0.0000	44.3273	0.0000
Holly Lk	0.0000	0.0000	0.0000	102472.5780	0.0000
63b	0.0000	0.0000	0.0000	25.5623	0.0000
65b	0.0000	0.0000	0.0000	26.0938	0.0000
69b	0.0000	0.0000	0.0000	43.8553	0.0000
71b	0.0000	0.0000	0.0000	42.8522	0.0000
73b	0.0000	0.0000	0.0000	50.0855	0.0000
38b	183.9000	0.0000	0.0000	59.0767	0.0000
Channel	0.0000	0.0000	0.0000	37.9844	0.0000
Node20C	292.7167	292.7667	0.0000	1134.9834	1950.1875
Node20A	0.0000	0.0000	0.0000	4.7804	0.0000
Node33A	0.0000	0.0000	0.0000	19.3720	0.0000
Node33B	451.8333	0.0000	0.0000	40.2161	0.0000
Node33E	1019.8917	0.0000	0.0000	54.7929	0.0000
Node33D	726.9583	0.0000	0.0000	52.1088	0.0000
Node34A	1196.2000	911.5750	0.0000	16244.0080	38680.3372
Node33C	404.7917	0.0000	0.0000	44.1366	0.0000
Node54B	992.8083	348.9500	0.0000	3963.7800	8496.8994
Node55A	864.3667	453.0833	0.0000	990.2829	1244.3492
Node55B	860.9500	433.7833	0.0000	905.4526	1143.2893
Node55C	0.0000	0.0000	0.0000	3.0616	0.0000
Node42A	880.9083	725.8083	0.0000	9292.3273	13838.2488
Node43A	2429.5917	1033.0417	0.0000	32771.9521	40265.5565
Node43B	875.4083	875.4250	0.0000	17910.0746	25452.0850
Node43C	1013.2083	869.3833	0.0000	17146.2940	22695.6062
Node43D	709.3000	416.6333	0.0000	1469.2530	1702.6910
Node39A	0.0000	0.0000	0.0000	25.0412	0.0000
Node39B	0.0000	0.0000	0.0000	10.4976	0.0000
1B	0.0000	0.0000	0.0000	36.4471	0.0000
1A	210.4333	0.0000	0.0000	502068.0553	0.0000
53A	0.0000	0.0000	0.0000	742851.9281	0.0000

53B	2488.6750	1361.9583	0.0000	10114.3350	28484.6557
Node214	12.6667	0.0000	0.0000	50405.2678	0.0000
Node215	2519.6083	0.0000	0.0000	82175.3538	0.0000
Ditch	0.0000	0.0000	0.0000	12.6051	0.0000
Node217	0.0000	0.0000	0.0000	27.6075	0.0000
Node219	0.0000	0.0000	0.0000	21.2312	0.0000
Node220	34.5333	0.0000	0.0000	48.0336	0.0000
CB 2	34.4000	0.0000	0.0000	47.9649	0.0000
CB 1	40.0833	0.0000	0.0000	47.9608	0.0000
Node223	0.0000	0.0000	0.0000	11.7350	0.0000
Node224	0.0000	0.0000	0.0000	10.6717	0.0000
Node225	24.6583	0.0000	0.0000	35.5434	0.0000
Node 13	2350.0083	0.0000	0.0000	26.1726	0.0000
Node45	0.0000	0.0000	0.0000	11.6956	0.0000
Node62	0.0000	0.0000	0.0000	43.3172	0.0000
1	0.0000	0.0000	0.0000	59.9178	0.0000
123	0.0000	0.0000	0.0000	85.7839	0.0000
6	231.3417	0.0000	0.0000	91.5834	0.0000
21	0.0000	0.0000	0.0000	1057.5836	0.0000
23	0.0000	0.0000	0.0000	59.7913	0.0000
27	0.0000	0.0000	0.0000	70832.9688	0.0000

#####  
# Table E22. Numerical Model judgement section #  
#####

Overall error was (minimum of Table E18 & E21) 0.8083 percent  
Worst nodal error was in node 52 with 3.8788 percent  
Of the total inflow this loss was 0.5480 percent  
Your overall continuity error was Excellent  
Efficiency of the simulation Excellent Efficiency  
1.42  
Most Number of Non Convergences at one Node 1607.  
Total Number Non Convergences at all Nodes 1613.  
Total Number of Nodes with Non Convergences 4.

==> Hydraulic model simulation ended normally.  
==> XP-SWMM Simulation ended normally.  
==> Your input file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\25 Year.DAT  
==> Your output file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\25 Year.out

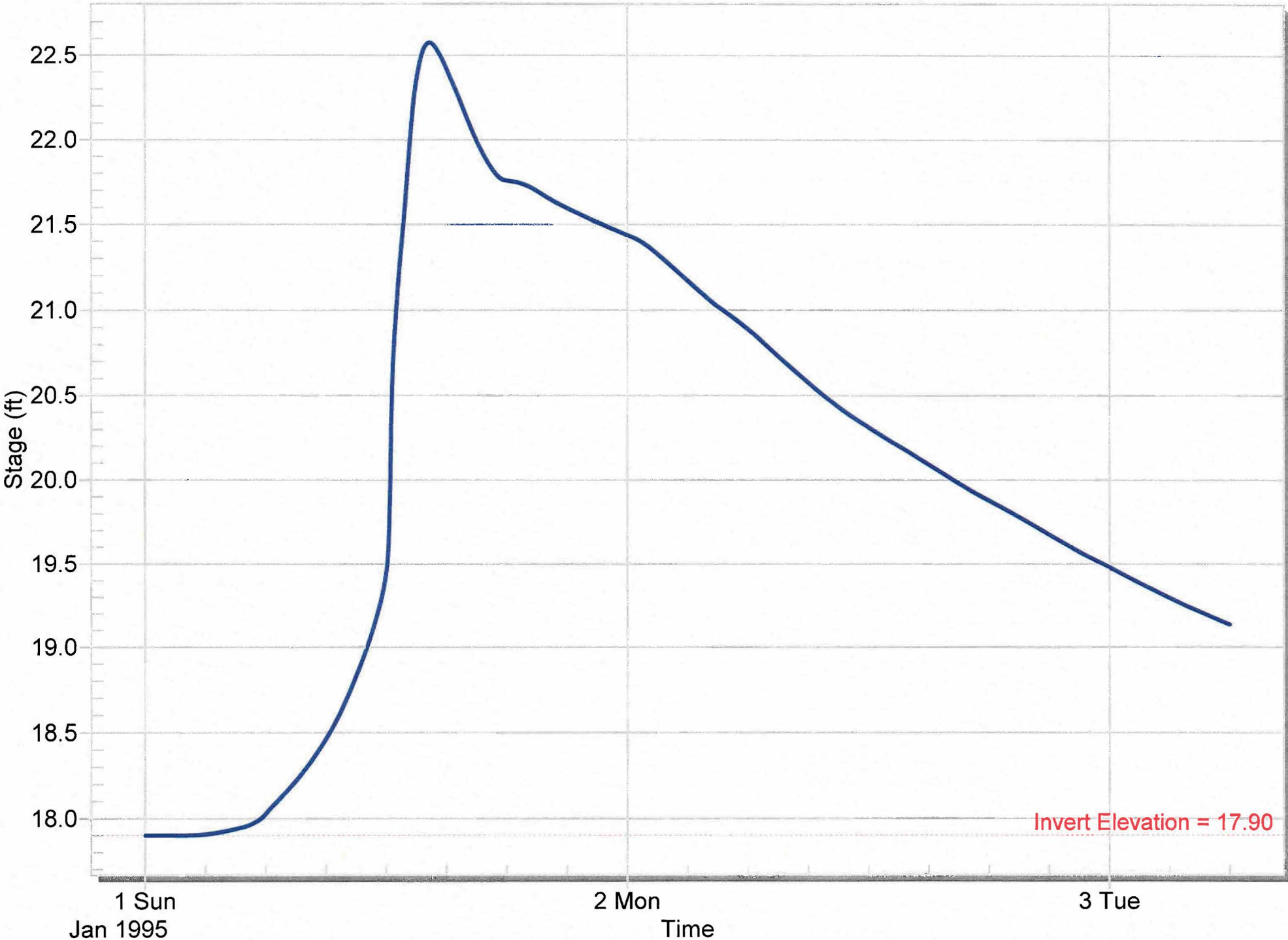
\*=====\*

SWMM Simulation Date and Time Summary			
Starting Date...	July	23, 2008	Time... 17:38: 7:58
Ending Date...	July	23, 2008	Time... 17:57:56: 2
Elapsed Time...	19.80733 minutes or 1188.44000 seconds		

\*=====\*

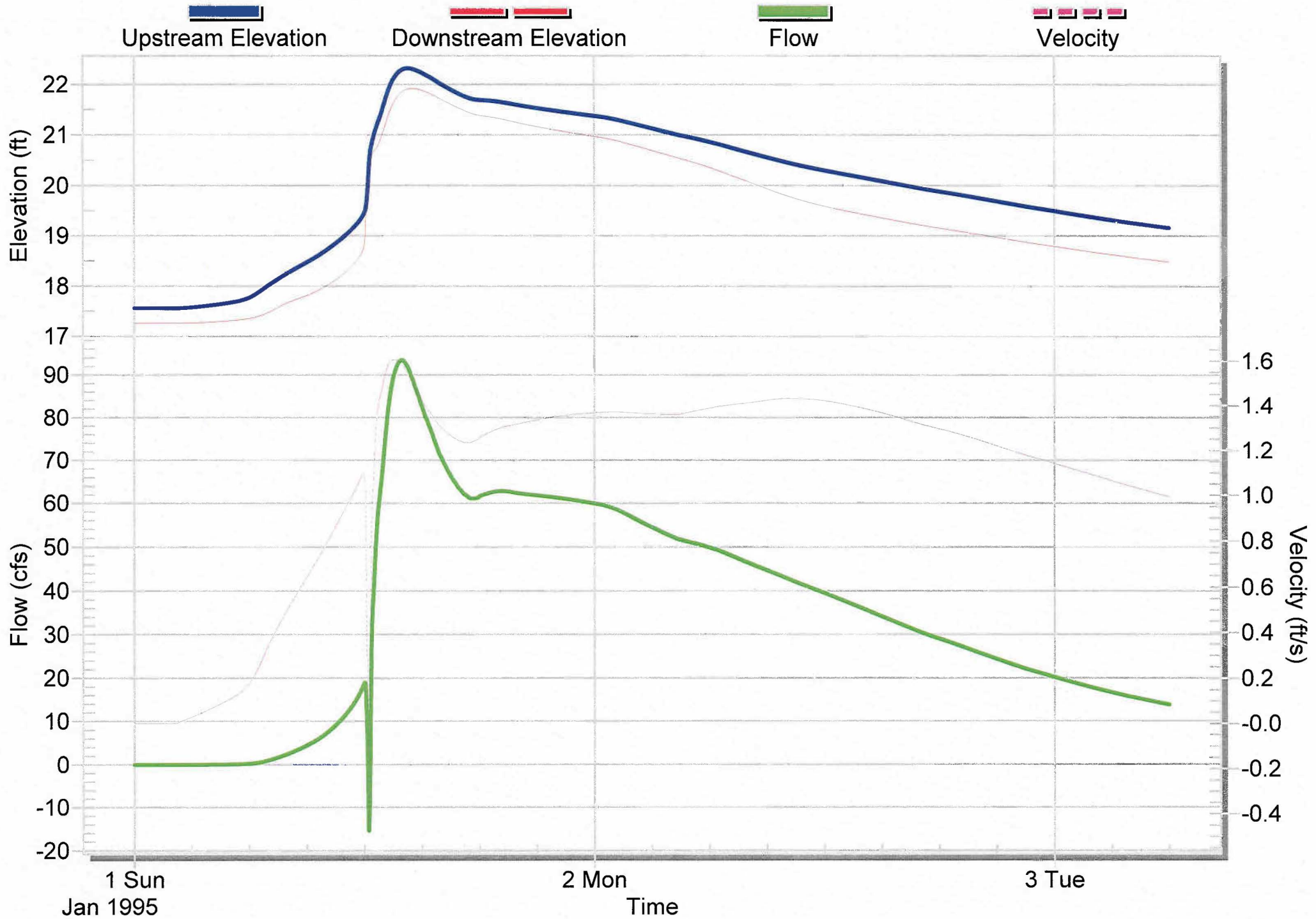
# Existing Condition (October 2007): Upstream of Node - 21 @ Glens Bay Road

25-Year Storm w/ Max Stage = 22.575]



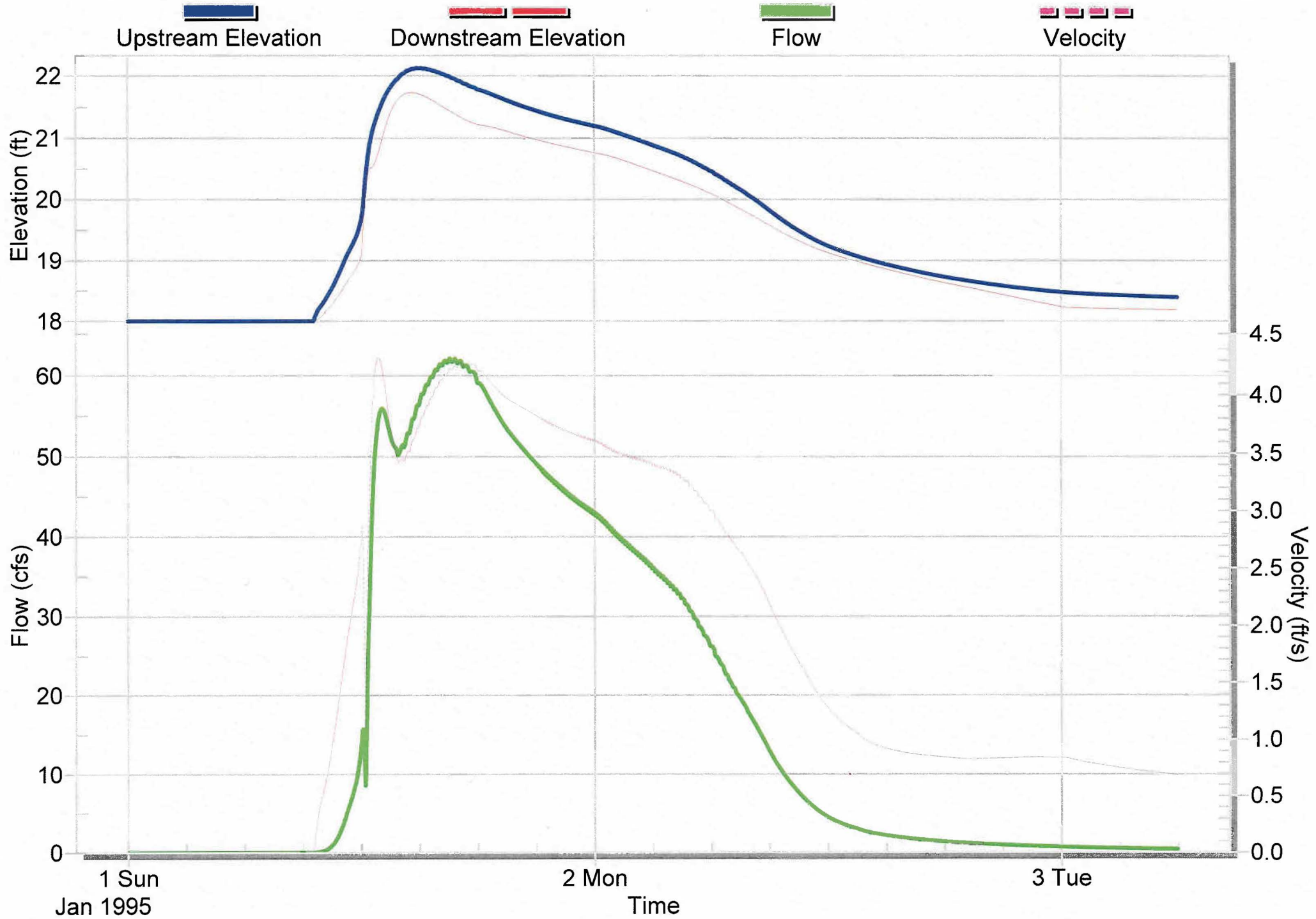
# Existing Condition (October 2007): Conduit XS #7 from 23 to 25

25-Year Storm w/ Max Flow = 93.5284 & Max Velocity = 1.60



# Existing Condition (October 2007): Conduit Link69 (Discharge from Deerfield) from 123 to 27

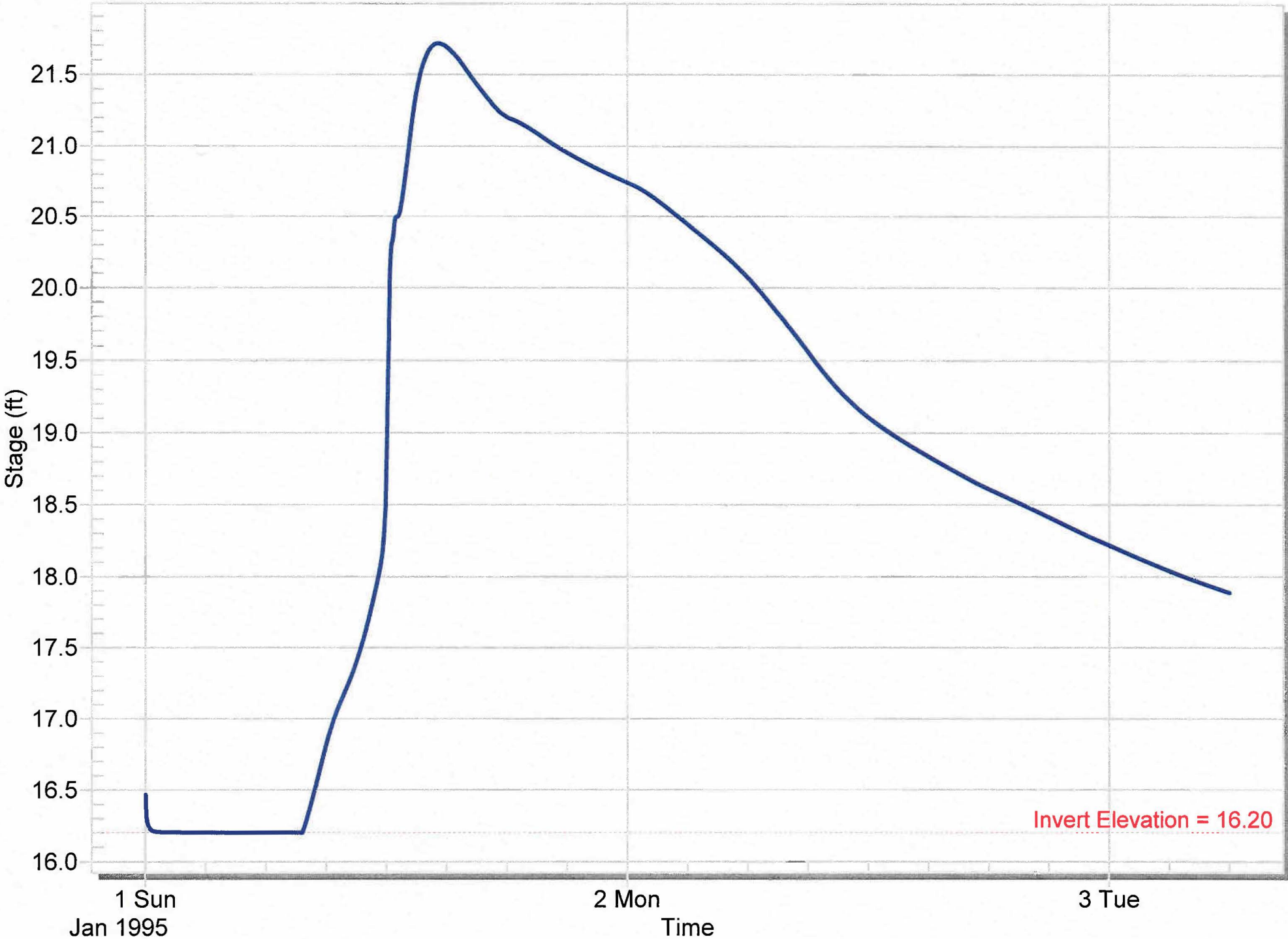
25-Year Storm w/ Max Flow = 62.2176 & Max Velocity = 4.32





# Existing Condition (October 2007): Node - 30 (Location of "New Pond")

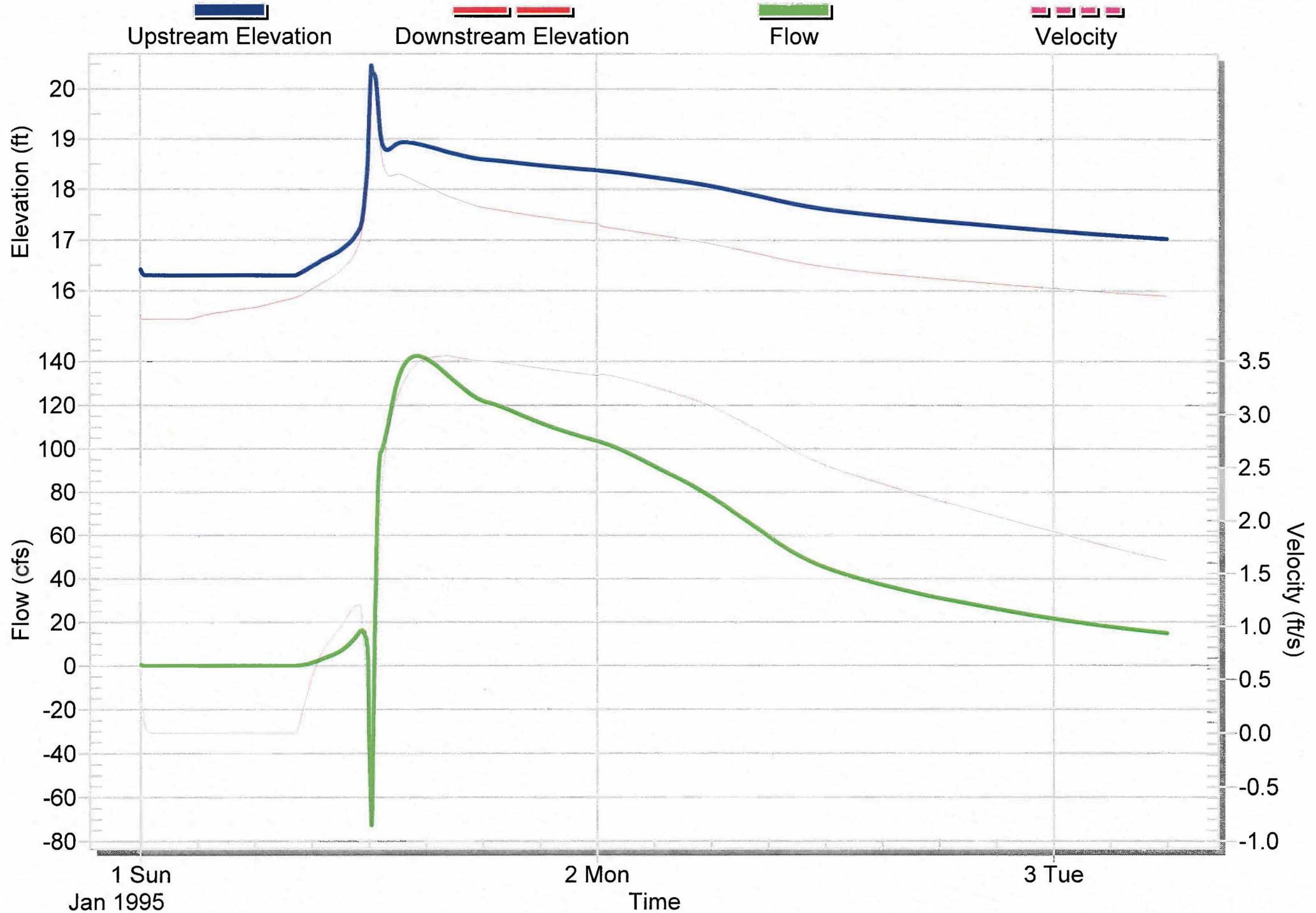
25-Year Storm w/ Max Stage = 21.713



Invert Elevation = 16.20

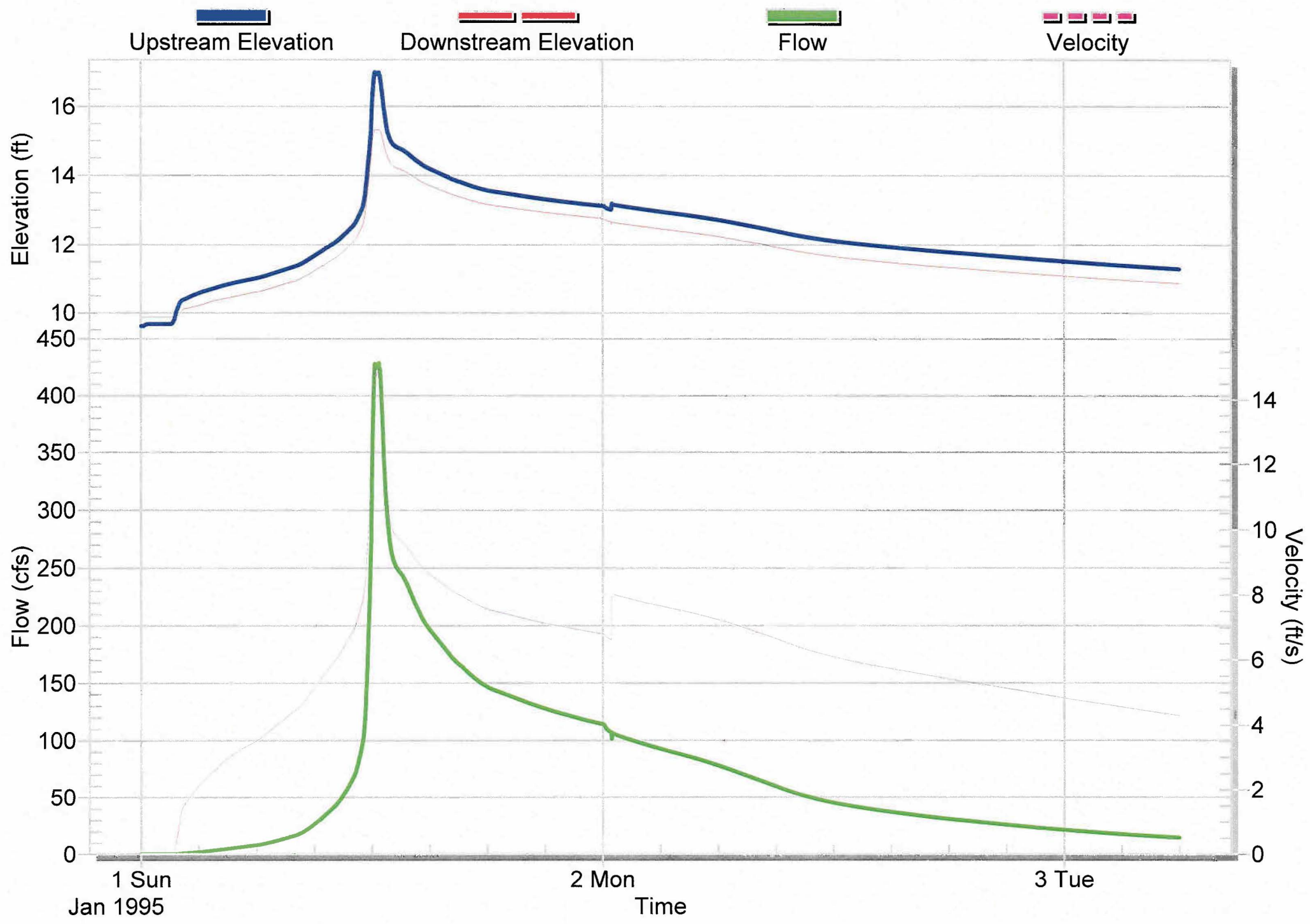
# Existing Condition (October 2007): Conduit XS #10 (Existing Ditch) from 32 to 34

25-Year Storm w/ Max Flow = 142.5673 & Max Velocity = 3.54



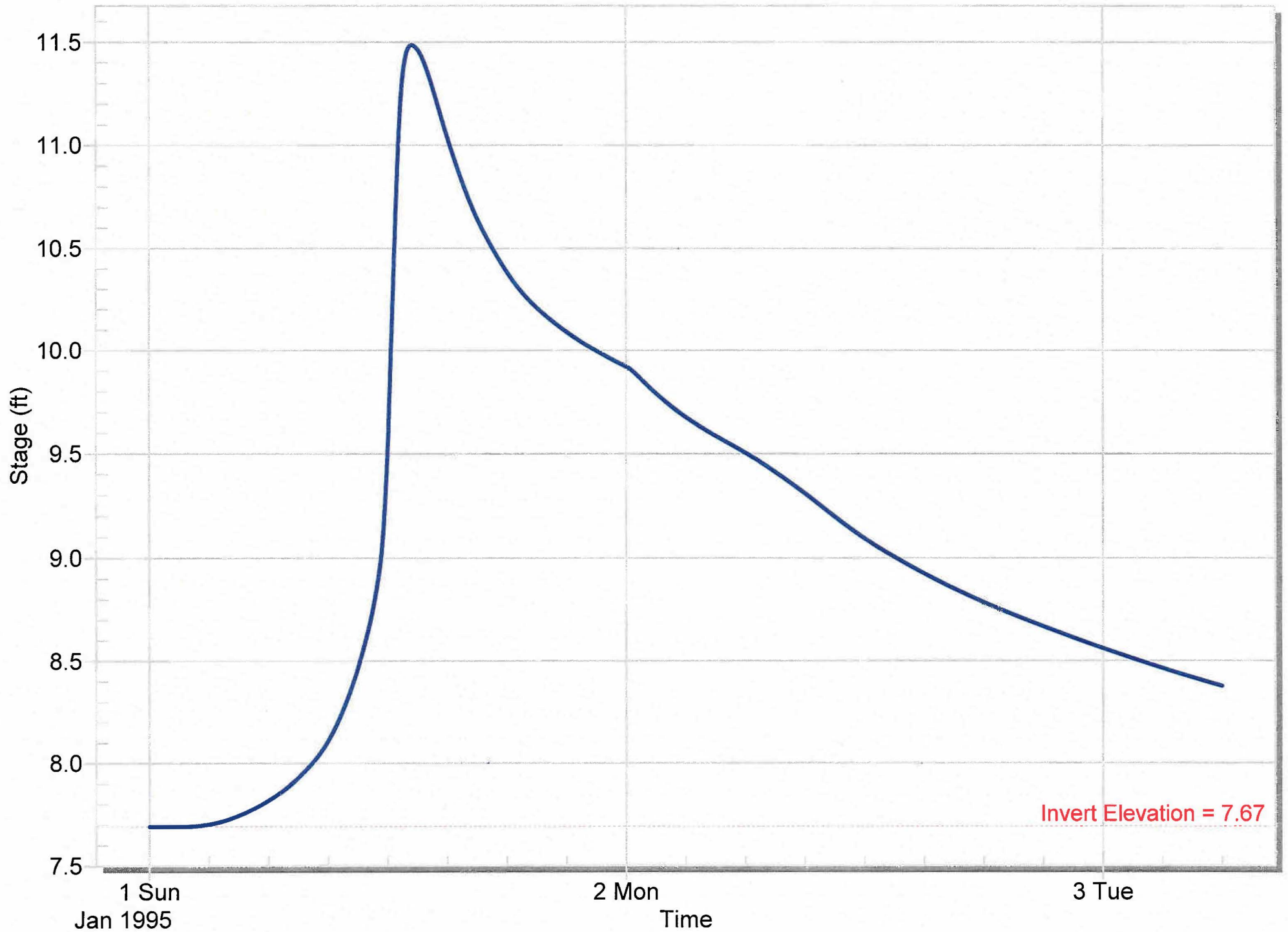
# Existing Condition (October 2007): Conduit TO LAKE from Lk-Elzbth to 48

25-Year Storm w/ Max Flow = 428.9133 & Max Velocity = 15.15



# Existing Condition (October 2007): Node - Lk-Elzbth

25-Year Storm w/ Max Stage = 11.466



# Caropines Deerfield - Existing Condition Model (October 2007)

## 100-Year Return Period Storm (100 Yr – 24 Hour Precipitation = 9.7inches)

Current Directory: C:\XPS-VE~1.6  
Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE  
Input File : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\100 Year.XP

```
*=====*
```

xpswmm
Storm and Wastewater Management Model
Interface Version: 10.61
Engine Version: 10.6.1.0

```
-----*
```

Developed by
XP Software

```
-----*
```

XP Software	April, 2008
Data File Version --->	12.0
Serial Number: 42-1060-2154	
The LPA Group	

```
-----*
```

Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE

```
*=====*
```

Input and Output file names by Layer
--------------------------------------

```
-----*
```

Input File to Layer #	1 JIN.US
Output File to Layer #	1 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
Input File to Layer #	2 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
Output File to Layer #	2 JOT.US

\*=====\*

| Table E1 - Conduit Data |

\*=====\*

Inp Num	Conduit Name	Length (ft)	Conduit Class	Area (ft^2)	Manning Coef.	Max Width (ft)	Trapezoid		
							Depth (ft)	Side Slopes	
1	Link1	65.9500	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
2	Link4	62.9800	Trapezoid	90.0000	0.0350	15.0000	3.0000	5.0000	5.0000
3	Link5	76.3200	Circular	1.7671	0.0120	1.5000	1.5000		
4	Link6	84.0400	Trapezoid	16.0000	0.0350	3.0000	2.0000	2.5000	2.5000
5	Link7	98.0500	Circular	1.7671	0.0120	1.5000	1.5000		
6	Link9	28.7000	Trapezoid	14.0000	0.0350	5.0000	2.0000	1.0000	1.0000
7	Link10	486.3000	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
8	Link12	21.7000	Trapezoid	2.0000	0.0350	1.0000	1.0000	1.0000	1.0000
9	Link13	18.7000	Circular	1.7671	0.0120	1.5000	1.5000		
10	Link14	86.2400	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
11	Link15	47.4700	Circular	1.7671	0.0120	1.5000	1.5000		
12	Link19	25.9000	Circular	1.7671	0.0270	1.5000	1.5000		
13	Link16	130.8000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
14	Link17	13.3300	Circular	1.7671	0.0120	1.5000	1.5000		
15	Link18	95.5000	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
16	Link11	53.9000	Circular	1.7671	0.0120	1.5000	1.5000		
17	Link20C	332.6900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
18	Link22	83.4000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
19	Link23	107.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
20	Link24	144.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
21	Link25	17.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
22	Link26	50.0100	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
23	Link27	352.0000	Circular	3.1416	0.0120	2.0000	2.0000		
24	Link30	162.3900	Circular	3.1416	0.0120	2.0000	2.0000		
25	Link31	20.9400	Circular	1.2272	0.0240	1.2500	1.2500		
26	Link34A	142.1600	Trapezoid	30.7500	0.0350	7.0000	1.5000	9.0000	9.0000
27	Link35	89.9000	Trapezoid	88.0000	0.0350	20.0000	2.0000	12.0000	12.0000
28	Link37	357.0100	Trapezoid	18.0000	0.0350	3.0000	1.0000	15.0000	15.0000
29	Link38	310.9000	Trapezoid	36.6800	0.0350	5.0000	2.0000	6.6700	6.6700
30	Link39	179.7000	Circular	4.9087	0.0120	2.5000	2.5000		
31	Link40	25.0000	Circular	1.7671	0.0120	1.5000	1.5000		
32	Link44	295.4000	Trapezoid	4.0000	0.0350	3.0000	1.0000	1.0000	1.0000
33	Link45	321.8000	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
34	Link46	207.0100	Circular	4.9087	0.0120	2.5000	2.5000		
35	Link47	115.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
36	Link48	61.6400	Circular	0.1963	0.0090	0.5000	0.5000		
37	Link49	27.0000	Circular	4.9087	0.0120	2.5000	2.5000		
38	Link50	67.6000	Circular	1.2272	0.0280	1.2500	1.2500		
39	Link51	401.0300	Trapezoid	184.0000	0.0350	6.0000	4.0000	10.0000	10.0000
40	Link52	42.3000	Circular	1.2272	0.0280	1.2500	1.2500		
41	Link53	88.8000	Trapezoid	26.0000	0.0350	25.0000	1.0000	1.0000	1.0000
42	Link54	356.7000	Circular	1.7671	0.0280	1.5000	1.5000		
43	Link55D	54.0300	Circular	4.9087	0.0120	2.5000	2.5000		
44	Link58	430.3600	Trapezoid	208.0000	0.0350	16.0000	4.0000	9.0000	9.0000
45	Link59	50.2000	Circular	1.2272	0.0280	1.2500	1.2500		
46	Link60	35.0200	Circular	1.2272	0.0280	1.2500	1.2500		
47	Link63	238.2000	Trapezoid	58.0000	0.0350	15.0000	2.0000	7.0000	7.0000
48	Link36	50.6500	Circular	4.9087	0.0120	2.5000	2.5000		
49	Link64	110.0000	Trapezoid	44.0000	0.0350	15.0000	2.0000	3.5000	3.5000
50	Link65	227.5600	Trapezoid	94.0000	0.0350	17.0000	2.0000	15.0000	15.0000
51	Link67	112.4000	Trapezoid	40.0000	0.0350	6.0000	4.0000	1.0000	1.0000
52	Link20A	199.9000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
53	Link36A	66.5000	Trapezoid	13.0000	0.0350	8.0000	1.0000	5.0000	5.0000
54	Link57A	40.5400	Circular	1.2272	0.0280	1.2500	1.2500		
55	Link57B	54.8100	Circular	1.2272	0.0280	1.2500	1.2500		
56	Link56	87.9200	Circular	4.9087	0.0120	2.5000	2.5000		
57	Link32A	251.5700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
58	Link32	244.6700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
59	Link66B	190.6000	Circular	1.7671	0.0120	1.5000	1.5000		
60	Link66A	654.5200	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
61	Link66C	435.0600	Trapezoid	129.6000	0.0350	10.0000	4.0000	5.6000	5.6000
62	XS #1A	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
63	XS #2	431.0000	Natural	89.7060	0.0300	46.3900	4.9500		
64	XS #3	191.0000	Natural	81.1062	0.0300	45.0300	4.9300		
65	XS #4	130.0000	Natural	99.8750	0.0300	57.7600	5.6200		
66	XS #5	1089.0000	Natural	130.1118	0.0300	44.4000	7.2000		
67	XS #6	586.0000	Natural	161.1250	0.0300	60.6000	6.3400		
68	XS #7	1608.0000	Natural	181.5410	0.0300	41.0700	9.1100		
69	XS #8	761.0000	Natural	172.3457	0.0300	51.3000	8.7700		

70	XS #9	75.0000	Natural	124.1935	0.0300	37.8100	6.9000		
71	XS #10	387.4000	Natural	170.1000	0.0300	44.0800	7.4600		
72	STUB	4.0000	Circular	28.2743	0.0130	6.0000	6.0000		
73	FRONTAGE	50.0000	Circular	28.2743	0.0130	6.0000	6.0000		
74	HWY 17 S	60.0000	Circular	28.2743	0.0130	6.0000	6.0000		
75	HWY 17 N	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
76	PARKINGLOT	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
77	TO LAKE	172.0000	Circular	28.2743	0.0130	6.0000	6.0000		
78	61	350.0000	Natural	49.5000	0.0300	50.0000	3.5000		
79	62	1300.0000	Natural	49.2000	0.0350	50.0000	3.3000		
80	XS #3a	66.0000	Natural	87.0000	0.0300	67.0000	4.9000		
81	XS MALLARD	158.0000	Natural	40.3050	0.0300	25.0000	4.2000		
82	80	150.0000	Natural	18.0000	0.0300	39.0000	2.5000		
83	8x4 Box	68.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
84	Clvt 10	42.0000	Rectangle	40.5000	0.0150	13.5000	3.0000		
85	Palmt0 Lk	700.0000	Natural	172.0000	0.0500	56.0000	4.5000		
86	Clvt 7	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
87	Chan A	270.0000	Natural	54.5525	0.0500	23.9500	4.9000		
88	Clvt 6	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
89	Chan B	210.0000	Natural	58.3500	0.0500	20.0000	5.3000		
90	Clvt 5	42.0000	Circular	12.5664	0.0130	4.0000	4.0000		
91	Chan C	400.0000	Natural	43.5000	0.0500	28.0000	4.0000		
92	Chan D	150.0000	Trapezoid	81.2500	0.0350	25.0000	3.2500	0.0000	0.0000
93	Oak Clvt	35.0000	Rectangle	24.0000	0.0130	8.0000	3.0000		
94	Chan E	150.0000	Trapezoid	106.1900	0.0300	25.0000	3.7000	1.0000	1.0000
95	Clvt2 Out	40.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
96	Clvt1 Out	42.0000	Rectangle	28.0000	0.0130	7.0000	4.0000		
97	Lined Ch	75.0000	Natural	92.2250	0.0250	33.6000	4.3600		
98	Link20B	49.0900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
99	Link20	5.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
100	Link33	128.5700	Circular	4.9087	0.0120	2.5000	2.5000		
101	Link33A	54.2500	Circular	4.9087	0.0120	2.5000	2.5000		
102	Link33C	351.0900	Trapezoid	60.0000	0.0350	5.0000	3.0000	5.0000	5.0000
103	Link33D	64.2600	Circular	4.9087	0.0120	2.5000	2.5000		
104	Link33E	153.1800	Circular	4.9087	0.0120	2.5000	2.5000		
105	Link33B	75.6500	Circular	4.9087	0.0120	2.5000	2.5000		
106	Link34	440.8000	Trapezoid	54.0000	0.0350	7.0000	2.0000	10.0000	10.0000
107	Link54B	602.9000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
108	Link54A	5.0000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
109	Link55A	66.3400	Trapezoid	10.0000	0.0350	5.0000	1.0000	5.0000	5.0000
110	Link55B	96.7000	Circular	1.7671	0.0280	1.5000	1.5000		
111	Link55C	144.9500	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
112	Link43A	41.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
113	Link42A	48.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
114	Link42	139.7000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
115	Link43B	96.9000	Trapezoid	25.0000	0.0350	20.0000	1.0000	5.0000	5.0000
116	Link43	79.2000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
117	Link43C	52.0000	Circular	1.7671	0.0120	1.5000	1.5000		
118	Link43D	114.6000	Circular	1.7671	0.0120	1.5000	1.5000		
119	Link39A	53.8000	Circular	4.9087	0.0120	2.5000	2.5000		
120	Link39B	116.5000	Circular	4.9087	0.0120	2.5000	2.5000		
121	XS #1B	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
122	ToLake	534.4790	Natural	52.6000	0.0300	50.0000	3.4000		
123	Link224	83.8200	Circular	4.9087	0.0270	2.5000	2.5000		
124	Link225	65.1595	Circular	7.0686	0.0110	3.0000	3.0000		
125	18"RCP	9.0000	Circular	1.7671	0.0120	1.5000	1.5000		
126	36"Stub	8.0000	Circular	7.0686	0.0120	3.0000	3.0000		
127	18"RCP2	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
128	18"RCP1	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
129	12"RCP1	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
130	12"RCP2	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
131	24"RCP 1	25.0000	Circular	3.1416	0.0120	2.0000	2.0000		
132	Link62	24.2000	Circular	4.9087	0.0120	2.5000	2.5000		
133	Link61	176.3000	Trapezoid	172.0000	0.0350	15.0000	4.0000	7.0000	7.0000
134	Link2	65.0700	Trapezoid	33.7500	0.0350	15.0000	1.5000	5.0000	5.0000
135	Link3	73.3400	Circular	1.7671	0.0120	1.5000	1.5000		
136	Link66	111.7000	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
137	Link69	153.2000	Circular	15.9043	0.0240	4.5000	4.5000		
138	24" RCP 2	20.0000	Circular	3.1416	0.0120	2.0000	2.0000		
139	48" RCP	72.0000	Circular	12.5664	0.0120	4.0000	4.0000		
140	8.1	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
141	8.2	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
142	29.1	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
143	29.2	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
144	28.1	44.9100	Circular	0.3494	0.0110	0.6670	0.6670		
145	28.2	38.7400	Circular	0.3494	0.0110	0.6670	0.6670		
146	28.3	41.2000	Circular	0.1963	0.0110	0.5000	0.5000		

147	41.1	50.2300	Circular	1.7671	0.0120	1.5000	1.5000
148	41.2	50.2300	Circular	1.7671	0.0240	1.5000	1.5000
149	Spanish1	45.0000	Circular	4.9087	0.0120	2.5000	2.5000
150	IndianDr1	42.0000	Circular	7.0686	0.0130	3.0000	3.0000
151	2@42" RCP	64.0000	Circular	9.6211	0.0130	3.5000	3.5000
152	Driveway1	59.0000	Circular	28.2743	0.0270	6.0000	6.0000
153	2@24"	40.0000	Circular	3.1416	0.0130	2.0000	2.0000
154	Seaweed.1	48.4149	Circular	4.9087	0.0120	2.5000	2.5000
155	68.1	52.4000	Circular	12.5664	0.0120	4.0000	4.0000
156	68.2	52.4000	Circular	7.0686	0.0120	3.0000	3.0000
Total length of all conduits ....				25067.8434 feet			



\*=====  
 | Table E15 - SPREADSHEET INFO LIST |  
 | Conduit Flow and Junction Depth Information for use in |  
 | spreadsheets. The maximum values in this table are the |  
 | true maximum values because they sample every time step. |  
 | The values in the review results may only be the |  
 | maximum of a subset of all the time steps in the run. |  
 | Note: These flows are only the flows in a single barrel. |  
 \*=====

Conduit Name	Maximum Flow (cfs)	Total Flow (ft^3)	Maximum Velocity (ft/s)	Maximum Volume (ft^3)	##	Junction Name	Invert Elevation (ft)	Maximum Elevation (ft)
Link1	3.0020	43182.6022	1.4817	9.6626	##	Node1	32.0000	32.2099
Link4	3.4999	53499.9711	0.1017	2169.7873	##	Node2	31.0000	31.0964
Link5	1.4218	8884.5090	5.7327	1.8327	##	Node3	27.0000	28.5886
Link6	1.7656	10634.8601	1.4012	268.2349	##	Node4	27.0000	28.5235
Link7	3.9477	63267.1161	6.2290	115.3833	##	Node7	27.0000	28.5232
Link9	-1.4466	17407.3284	-0.1785	401.8000	##	Node5	31.0000	31.3043
Link10	3.2711	35839.5684	0.2807	11671.2000	##	Node6	29.0000	29.2271
Link12	-3.2948	24849.1253	-2.0686	43.4000	##	Node8	25.0000	27.6195
Link13	3.3098	-24951.5509	7.8209	33.3010	##	Node20	26.0000	27.3144
Link14	-3.1744	31844.6915	-0.7966	431.2000	##	Node9	24.0000	27.3237
Link15	-3.2035	31574.1009	-2.4460	87.9401	##	Node10	24.0000	27.3237
Link19	-3.2837	42057.1801	-2.6187	42.5409	##	Node12	24.0000	27.3235
Link16	1.5968	6960.0100	0.5797	784.8000	##	Node14	25.0000	27.3200
Link17	1.5770	6888.3873	4.0377	21.9173	##	Node15	25.0000	27.3187
Link18	1.7606	10585.6467	0.6199	1050.5000	##	Node19	25.0000	27.3173
Link11	-3.6560	7698.7731	4.5856	96.2764	##	Node16	26.0000	27.3173
Link20C	11.4454	229908.6346	1.5319	3659.5900	##	Node17	26.0000	27.3173
Link22	4.2905	58293.3353	2.5293	50.1330	##	Node18	26.0000	27.3173
Link23	7.2131	106760.3304	2.3508	240.0885	##	Node11	25.5000	27.3235
Link24	11.0593	165212.9338	2.9132	801.2932	##	Node20B	25.0000	27.3015
Link25	11.9374	252945.1327	1.9895	105.0000	##	Node30	24.0000	27.2974
Link26	9.1796	68286.5608	4.9763	147.8782	##	Node22	31.0000	31.2960
Link27	14.2762	619768.9387	4.8589	1158.8994	##	Node23	29.0000	29.5407
Link30	11.9631	1002552.379	4.6905	513.3169	##	Node24	28.0000	28.6658
Link31	13.0879	1141493.261	10.5398	26.4977	##	Node25	25.0000	28.0748
Link34A	-25.9599	-1949131.35	-0.8442	4371.4200	##	Node27	25.0000	28.0562
Link35	25.5343	2027086.795	0.2902	7911.2000	##	Node26	30.0000	30.2637
Link37	7.4625	80319.4824	0.7770	6426.1800	##	Node29	23.0000	27.3012
Link38	6.3883	69873.7708	0.3747	11403.8120	##	Node28	23.0000	27.3113
Link39	-9.1307	-125717.996	2.6345	813.2943	##	Node31	23.0000	26.9420
Link40	27.2067	530400.5032	18.5251	45.3262	##	Node35	19.0000	23.2791
Link44	8.5759	77834.0590	2.1440	1181.6000	##	Node34	21.0000	23.3061
Link45	13.2005	211382.9087	2.6401	1609.0000	##	Node36	19.0000	23.2777
Link46	28.8754	2030073.302	5.7538	1020.3972	##	Node37	24.0000	25.4746
Link47	2.1883	108065.8553	0.3871	690.0000	##	Node39	21.0000	25.4457
Link48	1.3453	108101.1344	6.7077	12.3794	##	Node38	23.0000	25.4475
Link49	30.2658	2148934.307	11.8445	132.2831	##	Node40	25.0000	30.7934
Link50	1.1369	36792.1898	2.0865	83.8276	##	Node41	23.0000	30.6201
Link51	40.4118	2230722.990	0.9271	65959.4754	##	Node42	22.0000	28.8387
Link52	4.4982	66143.6319	3.6265	54.4184	##	Node46	21.0000	23.9008
Link53	8.4590	98001.9172	0.8896	2308.8000	##	Node43	23.0000	28.6682
Link54	5.9852	445712.9659	3.3305	635.2357	##	Node44	22.0000	24.3495
Link55D	22.7843	575409.4461	8.5083	265.0840	##	Node49	21.0000	23.2938
Link58	31.1814	738630.5478	0.2324	89514.8800	##	Node47	22.0000	24.4741

Link59	4.9537	55737.2764	4.0682	63.7422	##	Node48	22.0000	24.4706
Link60	4.7269	71378.6874	5.2583	43.6449	##	Node51	20.0000	23.3089
Link63	38.8970	3086238.648	0.6706	13815.6000	##	Node50	22.0000	23.3392
Link36	25.4324	2027983.429	4.9475	260.6423	##	Node61	19.0000	23.3059
Link64	60.8688	5133492.305	1.3834	4840.0000	##	Node52	24.0000	30.8702
Link65	61.5775	5188855.755	0.6551	21390.6400	##	Node53	24.0000	30.8526
Link67	70.7290	5649887.001	1.7682	4496.0000	##	Node54	25.0000	30.8525
Link20A	3.6803	164976.7499	1.3594	1199.4000	##	Node55D	21.0000	23.3346
Link36A	25.4117	2037043.614	1.9547	864.5000	##	Node56	20.0000	23.3320
Link57A	2.2218	17149.6609	2.0318	51.0710	##	Node58	19.0000	23.3060
Link57B	4.5152	43396.1913	4.8615	68.3089	##	Node59	22.0000	24.4040
Link56	22.6047	651743.7421	6.0493	433.5611	##	Node60	22.0000	23.3458
Link32A	9.0428	50774.3363	1.2918	1760.9900	##	Node63	19.0000	23.1458
Link32	13.4442	1190639.436	1.9206	1712.6900	##	Node64	19.0000	23.1107
Link66B	8.5187	231933.5707	4.7785	341.8646	##	Node65	19.0000	23.0603
Link66A	14.1779	231268.0960	0.7972	17999.3000	##	Node67	18.0000	23.0301
Link66C	12.8448	304616.1547	-0.1029	56383.7760	##	Node66	21.0000	23.7511
XS #1A	129.5587	5116770.930	2.9597	36220.4318	##	125	15.5000	22.9764
XS #2	112.2547	8478371.895	1.2514	38216.6952	##	Node36A	19.0000	23.2028
XS #3	114.6492	8477232.127	1.4136	17004.0144	##	Node57A	22.0000	23.3215
XS #4	142.2645	9434121.381	1.4244	12740.5122	##	Node57B	22.0000	23.3200
XS #5	139.8274	9422095.266	1.8104	86100.2880	##	Node32	22.0000	24.3363
XS #6	134.1031	9408235.102	1.3037	66545.7850	##	Node32A	22.0000	23.7189
XS #7	109.7000	9385668.896	1.6327	113440.5190	##	Node33	22.0000	23.7177
XS #8	107.3235	9368930.850	1.7141	64139.8919	##	Node66B	20.0000	23.7320
XS #9	437.2450	-14975615.1	19.8256	9074.2676	##	Node66A	20.0000	23.7505
XS #10	165.9359	14975655.25	3.7229	51320.0589	##	Node66C	18.0000	23.0304
STUB	374.6887	18214982.99	15.2343	116.0714	##	2	18.4100	25.5287
FRONTAGE	447.3015	18595813.84	21.1667	1436.7634	##	4	18.5300	26.5441
HWY 17 S	440.1988	18748175.98	15.5318	1778.0518	##	8	18.3000	26.2255
HWY 17 N	452.2418	18928035.17	15.9509	2012.1272	##	15	18.2000	26.1677
PARKINGLOT	-499.2439	-19587757.4	-17.5916	2015.5648	##	17	18.1000	23.7058
TO LAKE	-499.2501	-19586134.8	-17.6628	5098.1923	##	19	18.0000	23.3510
61	163.8462	1572090.758	3.3100	17242.9998	##	25	17.2000	22.5186
62	89.0770	1555591.881	2.1087	63898.0094	##	30	16.2000	22.4025
XS #3a	142.5381	9435333.874	1.6384	5656.8350	##	32	16.3000	21.9956
XS MALLARD	117.2690	959270.0940	4.5615	6220.3495	##	34	14.3200	21.9909
80	-54.9544	-776922.952	-3.0530	2695.2318	##	36	14.3200	20.6705
8x4 Box	487.9179	21167248.49	15.2379	2176.7530	##	38	11.9200	20.1506
Clvt 10	-87.2801	-2861210.25	-3.6829	1497.6893	##	41	10.9400	19.5200
Palmt0 Lk	30.2509	2849048.428	0.9706	50909.3887	##	45	9.1200	18.8013
Clvt 7	29.6824	2833720.095	2.9615	421.3182	##	48	9.6000	17.8627
Chan A	29.6817	2832281.788	1.3626	5876.9219	##	52	22.6000	27.3451
Clvt 6	29.6865	2831098.621	3.6181	335.2074	##	55	22.1000	28.1788
Chan B	29.6938	2830369.478	1.7887	3488.7012	##	56	22.5000	29.0918
Clvt 5	29.7113	2829899.108	3.1481	397.6972	##	63	18.4000	26.2826
Chan C	-29.7581	-2829002.76	-1.4350	8358.4161	##	64	20.4100	26.3073
Chan D	118.8509	5018131.014	2.3951	8038.0267	##	68	20.9600	26.3220
Oak Clvt	59.4347	5018226.479	3.4326	1274.4696	##	76	19.0000	24.7876
Chan E	118.8936	5018264.500	2.0536	9243.0692	##	78	21.5000	24.7883
Clvt2 Out	128.4352	9563663.371	4.4426	2277.4476	##	Lk-Elzbth	7.6700	12.1532
Clvt1 Out	-541.6081	-20051190.6	-19.3192	1177.6175	##	Dgwood Lk	3.9500	8.4816
Lined Ch	541.6084	20051264.26	7.1262	5699.6999	##	44b	6.2300	8.4719
Link20B	2.4288	14079.9490	0.4031	539.9900	##	46b	5.4600	8.4180
Link20	3.4366	157601.6007	1.2876	30.0000	##	48b	5.1700	8.3154
Link33	20.9536	1241258.169	8.0799	575.8425	##	50b	5.1700	7.9985
Link33A	21.4799	1245086.417	8.8129	267.3483	##	52b	5.3500	7.8184
Link33C	33.8030	1418862.087	0.6728	21065.4000	##	54b	4.5200	7.3363

Link33D	47.2072	1417461.781	9.5667	330.6786	##	56b	4.3800	7.2053
Link33E	33.8042	1875357.643	6.8525	783.0465	##	Myrtle Lk	4.2000	6.4420
Link33B	22.9926	1256576.690	5.2459	388.7620	##	60b	2.5700	6.1975
Link34	5.7477	85036.9780	0.5237	23803.2000	##	Holly Lk	4.7500	6.7671
Link54B	-20.0755	-342996.963	-0.9560	12660.9000	##	63b	4.3300	6.6026
Link54A	-21.1395	-410213.758	-1.0066	105.0000	##	65b	4.2400	6.5194
Link55A	5.6561	450601.2856	0.5656	663.4000	##	69b	2.5100	6.0000
Link55B	5.4765	450596.5068	3.3808	96.2617	##	71b	3.4200	7.3257
Link55C	5.4765	450582.3693	1.6373	2121.7389	##	73b	5.3000	9.8537
Link43A	8.3769	-76117.4999	0.4782	830.0000	##	38b	3.2300	8.3303
Link42A	32.6816	1651807.507	1.6341	970.0000	##	Channel	3.2600	6.7738
Link42	-35.3374	-1643938.20	-1.7669	2794.0000	##	Node20C	25.0000	27.3015
Link43B	22.4115	1728506.027	0.9755	2422.5000	##	Node20A	26.0000	27.3141
Link43	-12.6641	63967.9377	-1.2596	1584.0000	##	Node33A	21.0000	23.7061
Link43C	20.1162	1728728.976	11.2426	96.3321	##	Node33B	19.6000	23.6473
Link43D	20.0947	1740954.500	11.3047	194.9239	##	Node33E	18.2500	23.4958
Link39A	9.1431	125544.8735	3.7411	141.7340	##	Node33D	18.5300	23.5720
Link39B	13.6159	211245.5795	6.5733	418.6377	##	Node34A	17.6900	23.3060
XS #1B	65.2441	4673242.640	2.8337	24466.2699	##	Node33C	19.1700	23.5784
ToLake	-89.7371	-3634750.83	-1.7060	28055.0808	##	Node54B	25.0000	30.7939
Link224	-62.3535	-996936.072	-12.4151	422.5664	##	Node55A	23.0000	25.8303
Link225	209.4706	1316606.414	29.4895	471.6675	##	Node55B	23.0000	25.8110
18"RCP	50.0439	254780.7020	34.2090	16.2530	##	Node55C	23.0000	23.4051
36"Stub	26.4647	126211.3076	13.0637	59.2807	##	Node42A	25.0000	28.7050
18"RCP2	16.6078	84370.1466	9.2541	27.1429	##	Node43A	24.0000	28.6682
18"RCP1	12.2974	68085.0877	7.9284	27.1429	##	Node43B	25.0000	28.6681
12"RCP1	14.2501	87851.3680	18.0390	12.0450	##	Node43C	24.0000	28.6233
12"RCP2	13.6096	92166.3273	17.3453	12.0450	##	Node43D	24.0000	27.0409
24"RCP 1	15.9851	81539.9696	7.6132	79.3397	##	Node39A	23.0000	25.3594
Link62	39.1532	3069127.088	7.9512	124.5319	##	Node39B	24.0000	25.2863
Link61	41.9760	3068686.971	0.4827	30323.6000	##	1B	20.9000	25.5519
Link2	3.2336	49372.7697	0.6853	392.9432	##	1A	20.9000	27.0486
Link3	3.4348	51882.3960	1.8952	130.8564	##	53A	20.9044	27.3432
Link66	4.4568	76959.5459	0.6395	3071.7500	##	53B	20.9206	27.3040
Link69	70.7659	5648802.847	4.3620	2477.8062	##	Node214	26.0000	31.5670
24" RCP 2	16.0036	81551.5158	5.0478	65.8675	##	Node215	22.0000	35.1094
48" RCP	29.6263	126228.3004	5.8074	904.6740	##	Ditch	20.0000	22.2613
8.1	-1.9833	-53813.8196	-5.5764	16.2694	##	Node217	17.0600	20.6730
8.2	-1.9833	-53813.8196	-5.5764	16.2694	##	Node219	17.5000	20.6694
29.1	7.4651	-50896.1587	10.7424	14.2258	##	Node220	15.0000	20.1994
29.2	7.4651	-50896.1587	10.7424	14.2258	##	CB 2	15.0000	20.1861
28.1	-1.7766	18413.6276	-4.9823	16.4504	##	CB 1	15.0000	20.1864
28.2	-1.9118	19887.2633	-5.3614	14.1904	##	Node223	18.0000	20.3185
28.3	-0.8675	8523.3443	-4.2911	8.4811	##	Node224	18.0000	20.2303
41.1	25.2282	1098791.884	13.9486	90.7750	##	Node225	16.0000	20.2176
41.2	12.5982	546671.1931	6.9655	90.7750	##	Node 13	24.0000	27.3205
Spanish1	106.0969	-4118893.50	21.7765	231.5676	##	Node45	23.0000	25.3277
IndianDr1	107.0041	9312655.204	14.9950	311.2269	##	Node62	19.0000	23.3045
2@42" RCP	55.6919	9402285.354	5.7695	1205.5429	##	1	21.1000	27.0743
Driveway1	-165.7397	-14977934.6	-6.0861	1695.7753	##	123	15.3000	22.9344
2@24"	38.0257	837811.7452	12.0048	256.1794	##	6	18.4000	26.3570
Seaweed.1	-37.1937	-1931540.50	-7.5449	474.6409	##	21	17.9000	23.2849
68.1	48.2738	3861045.593	3.8293	690.2980	##	23	17.5000	22.8551
68.2	22.4864	1788576.507	3.1611	388.2926	##	27	15.6000	22.4159
WEIR#1	-77.0669	-249159.976	0.0000	0.0000	##			
WEIR#2	41.5609	120585.3795	0.0000	0.0000	##			
WEIR#3	0.0000	0.0000	0.0000	0.0000	##			
WEIR#4	0.0000	0.0000	0.0000	0.0000	##			

WEIR#5	76.8659	126459.6087	0.0000	0.0000	##
WEIR#8	-24.3762	-352884.908	0.0000	0.0000	##
WEIR#9	-30.4936	-425427.084	0.0000	0.0000	##
WEIR#10	66.9558	600139.4364	0.0000	0.0000	##
WEIR#11	134.3795	3901100.127	0.0000	0.0000	##
WEIR#12	0.0000	0.0000	0.0000	0.0000	##
WEIR#13	286.5813	16666332.46	0.0000	0.0000	##
WEIR#14	541.6068	20050300.35	0.0000	0.0000	##
WEIR#15	0.0000	0.0000	0.0000	0.0000	##
WEIR#16	256.8698	9563671.164	0.0000	0.0000	##
WEIR#17	0.0000	0.0000	0.0000	0.0000	##
WeirA	31.8388	2183398.379	0.0000	0.0000	##
WeirB	34.1239	2493552.864	0.0000	0.0000	##
Weir1	71.7855	1720314.383	0.0000	0.0000	##
WEIR#6	15.7761	171408.6242	0.0000	0.0000	##
WEIR#7	-78.9119	1754315.855	0.0000	0.0000	##
FREE # 1	256.8704	9563712.529	0.0000	0.0000	##
FREE # 2	541.6084	20051380.05	0.0000	0.0000	##

#####  
# Table E16. New Conduit Information Section #  
# Conduit Invert (IE) Elevation and Conduit #  
# Maximum Water Surface (WS) Elevations #  
#####

Conduit Name	Upstream Node	Downstream Node	IE Up	IE Dn	WS Up	WS Dn	Conduit Type
Link1	Node1	Node2	32.0000	31.0000	32.2099	31.0964	Trapezoid
Link4	Node4	Node7	27.0000	27.0000	28.5235	28.5232	Trapezoid
Link5	Node5	Node6	31.0000	29.0000	31.3043	29.2271	Circular
Link6	Node6	Node7	29.0000	27.0000	29.2271	28.5232	Trapezoid
Link7	Node7	Node8	28.0000	25.0000	28.5232	27.6195	Circular
Link9	Node9	Node10	24.0000	24.0000	27.3237	27.3237	Trapezoid
Link10	Node10	Node12	24.0000	24.0000	27.3237	27.3235	Trapezoid
Link12	Node12	Node 13	24.0000	24.0000	27.3235	27.3205	Trapezoid
Link13	Node14	Node 13	25.0000	24.0000	27.3200	27.3205	Circular
Link14	Node14	Node15	25.0000	25.0000	27.3200	27.3187	Trapezoid
Link15	Node15	Node19	25.0000	25.0000	27.3187	27.3173	Circular
Link19	Node19	Node20	26.0000	26.0000	27.3173	27.3144	Circular
Link16	Node16	Node17	26.0000	26.0000	27.3173	27.3173	Trapezoid
Link17	Node17	Node18	26.0000	26.0000	27.3173	27.3173	Circular
Link18	Node18	Node19	26.0000	26.0000	27.3173	27.3173	Trapezoid
Link11	Node11	Node12	25.5000	24.0000	27.3235	27.3235	Circular
Link20C	Node20C	Node30	25.0000	24.0000	27.3015	27.2974	Trapezoid
Link22	Node22	Node23	31.0000	29.0000	31.2960	29.5407	Trapezoid
Link23	Node23	Node24	29.0000	28.0000	29.5407	28.6658	Trapezoid
Link24	Node24	Node25	28.0000	25.0000	28.6658	28.0748	Trapezoid
Link25	Node25	Node27	25.0000	25.0000	28.0748	28.0562	Trapezoid
Link26	Node26	Node27	30.0000	25.0000	30.2637	28.0562	Trapezoid
Link27	Node27	Node30	25.0000	24.0000	28.0562	27.2974	Circular
Link30	Node30	Node31	24.0000	23.0000	27.2974	26.9420	Circular
Link31	Node31	Node32	23.0000	22.0000	26.9420	24.3363	Circular
Link34A	Node35	Node34A	19.0000	17.6900	23.2791	23.3060	Trapezoid
Link35	Node35	Node36	19.0000	19.0000	23.2791	23.2777	Trapezoid
Link37	Node37	Node39	24.0000	21.0000	25.4746	25.4457	Trapezoid
Link38	Node38	Node39	23.0000	21.0000	25.4475	25.4457	Trapezoid
Link39	Node39A	Node39	24.0000	21.0000	25.3594	25.4457	Circular
Link40	Node40	Node41	25.0000	23.0000	30.7934	30.6201	Circular
Link44	Node44	Node46	22.0000	21.0000	24.3495	23.9008	Trapezoid
Link45	Node45	Node46	23.0000	21.0000	25.3277	23.9008	Trapezoid
Link46	Node46	Node49	21.0000	21.0000	23.9008	23.2938	Circular
Link47	Node47	Node48	22.0000	22.0000	24.4741	24.4706	Trapezoid
Link48	Node48	Node49	22.0000	21.0000	24.4706	23.2938	Circular
Link49	Node49	Node51	21.0000	20.0000	23.2938	23.3089	Circular
Link50	Node50	Node51	22.0000	20.0000	23.3392	23.3089	Circular
Link51	Node51	Node61	20.0000	19.0000	23.3089	23.3059	Trapezoid
Link52	Node52	Node53	24.0000	24.0000	30.8702	30.8526	Circular
Link53	Node53	Node54	26.0000	26.0000	30.8526	30.8525	Trapezoid
Link54	Node54	Node55A	25.0000	23.0000	30.8525	25.8303	Circular
Link55D	Node55D	Node56	21.0000	20.0000	23.3346	23.3320	Circular
Link58	Node58	Node61	19.0000	19.0000	23.3060	23.3059	Trapezoid
Link59	Node59	Node60	22.0000	22.0000	24.4040	23.3458	Circular
Link60	Node60	Node61	22.0000	19.0000	23.3458	23.3059	Circular
Link63	Node63	Node64	19.0000	19.0000	23.1458	23.1107	Trapezoid
Link36	Node36	Node36A	19.0000	19.0000	23.2777	23.2028	Circular
Link64	Node64	Node65	19.0000	19.0000	23.1107	23.0603	Trapezoid
Link65	Node65	Node67	19.0000	19.0000	23.0603	23.0301	Trapezoid
Link67	Node67	125	18.0000	18.0000	23.0301	22.9764	Trapezoid
Link20A	Node20A	Node20C	26.0000	25.0000	27.3141	27.3015	Trapezoid
Link36A	Node36A	Node64	19.0000	19.0000	23.2028	23.1107	Trapezoid
Link57A	Node57A	Node57B	22.0000	22.0000	23.3215	23.3200	Circular
Link57B	Node57B	Node58	22.0000	19.0000	23.3200	23.3060	Circular
Link56	Node56	Node58	20.0000	19.0000	23.3320	23.3060	Circular
Link32A	Node32A	Node33	22.0000	22.0000	23.7189	23.7177	Trapezoid
Link32	Node32	Node33	22.0000	22.0000	24.3363	23.7177	Trapezoid
Link66B	Node66B	Node66C	20.0000	18.0000	23.7320	23.0304	Circular
Link66A	Node66A	Node66B	20.0000	20.0000	23.7505	23.7320	Trapezoid
Link66C	Node66C	Node67	18.0000	18.0000	23.0304	23.0301	Trapezoid
XS #1A	1	1A	21.1000	20.9000	27.0743	27.0486	Natural
XS #2	4	6	18.5300	18.4000	26.5441	26.3570	Natural
XS #3	6	63	18.4000	18.4000	26.3570	26.2826	Natural
XS #4	8	15	18.3000	18.2000	26.2255	26.1677	Natural
XS #5	17	19	18.1000	18.0000	23.7058	23.3510	Natural
XS #6	19	21	18.0000	17.9000	23.3510	23.2849	Natural
XS #7	23	25	17.5000	17.2000	22.8551	22.5186	Natural
XS #8	25	27	17.2000	15.6000	22.5186	22.4159	Natural

XS #9	30	27	16.2000	15.6000	22.4025	22.4159	Natural
XS #10	32	34	16.3000	15.4300	21.9956	21.9909	Natural
STUB	34	36	15.3000	14.5000	21.9909	20.6705	Circular
FRONTAGE	36	38	14.3200	12.1000	20.6704	20.1506	Circular
HWY 17 S	38	41	11.9200	11.0000	20.1507	19.5200	Circular
HWY 17 N	41	45	10.9400	9.8900	19.5200	18.8013	Circular
PARKINGLOT	48	45	9.9000	9.1200	17.8627	18.8013	Circular
TO LAKE	Lk-Elzbtb	48	9.8700	9.6100	15.5182	17.8627	Circular
61	56	55	22.5000	22.1000	29.0918	28.1788	Natural
62	55	1	22.1000	21.1000	28.1788	27.0743	Natural
XS #3a	63	8	18.4000	18.3000	26.2826	26.2255	Natural
XS MALLARD	64	63	20.4100	18.4000	26.3073	26.2826	Natural
80	78	68	21.5000	20.9600	24.7883	26.3220	Natural
8x4 Box	73b	Dgwood Lk	5.3000	5.0300	9.8537	9.0300	Rectangle
Clvt 10	44b	Dgwood Lk	6.2300	5.4200	8.4719	8.4816	Rectangle
Palmt0 Lk	44b	46b	6.2300	5.4600	8.4719	8.4180	Natural
Clvt 7	46b	48b	5.4600	5.1700	8.4180	8.3154	Circular
Chan A	48b	50b	5.5100	5.1700	8.3154	7.9985	Natural
Clvt 6	50b	52b	5.5100	5.3500	7.9985	7.8184	Circular
Chan B	52b	54b	5.3500	4.5200	7.8184	7.3363	Natural
Clvt 5	54b	56b	4.5200	4.3800	7.3363	7.2053	Circular
Chan C	Myrtle Lk	56b	4.5000	4.3800	6.4420	7.2053	Natural
Chan D	Holly Lk	63b	4.7500	4.3300	6.7671	6.6026	Trapezoid
Oak Clvt	63b	65b	4.3300	4.2400	6.6026	6.5194	Rectangle
Chan E	65b	Myrtle Lk	4.2400	4.2000	6.5194	6.4420	Trapezoid
Clvt2 Out	60b	69b	2.5700	2.5100	6.1975	6.0000	Rectangle
Clvt1 Out	71b	38b	3.4600	3.2300	7.4600	8.3303	Rectangle
Lined Ch	71b	Channel	3.4200	3.2600	7.3257	6.7738	Natural
Link20B	Node20B	Node20C	25.0000	25.0000	27.3015	27.3015	Trapezoid
Link20	Node20	Node20A	26.0000	26.0000	27.3144	27.3141	Trapezoid
Link33	Node33	Node33A	22.0000	21.0000	23.7177	23.7061	Circular
Link33A	Node33A	Node33B	21.0000	19.6000	23.7061	23.6473	Circular
Link33C	Node33C	Node33D	19.1700	18.5300	23.5784	23.5720	Trapezoid
Link33D	Node33D	Node33E	18.5300	18.2500	23.5720	23.4958	Circular
Link33E	Node33E	Node34A	18.2500	17.6900	23.4958	23.3060	Circular
Link33B	Node33B	Node33C	19.6000	19.1700	23.6473	23.5784	Circular
Link34	Node34	Node34A	21.0000	17.6900	23.3061	23.3060	Trapezoid
Link54B	Node54B	Node54	25.0000	25.0000	30.7939	30.8525	Trapezoid
Link54A	Node40	Node54B	25.0000	25.0000	30.7934	30.7939	Trapezoid
Link55A	Node55A	Node55B	23.0000	23.0000	25.8303	25.8110	Trapezoid
Link55B	Node55B	Node55C	23.0000	23.0000	25.8110	23.4051	Circular
Link55C	Node55C	Node55D	23.0000	21.0000	23.4051	23.3346	Trapezoid
Link43A	Node43B	Node43A	25.0000	24.0000	28.6681	28.6682	Trapezoid
Link42A	Node42A	Node43B	25.0000	25.0000	28.7050	28.6681	Trapezoid
Link42	Node42A	Node42	25.0000	24.0000	28.7050	28.8387	Trapezoid
Link43B	Node43B	Node43C	25.0000	24.5000	28.6681	28.6233	Trapezoid
Link43	Node43	Node43A	24.0000	24.0000	28.6682	28.6682	Trapezoid
Link43C	Node43C	Node43D	24.0000	24.0000	28.6233	27.0409	Circular
Link43D	Node43D	Node46	24.0000	22.0000	27.0409	23.9008	Circular
Link39A	Node39A	Node39B	24.0000	24.0000	25.3594	25.2863	Circular
Link39B	Node39B	Node45	24.0000	23.0000	25.2863	25.3277	Circular
XS #1B	1B	2	20.9000	20.7000	25.5519	25.5287	Natural
ToLake	1	53B	21.1000	20.9206	27.0743	27.3040	Natural
Link224	53A	Node215	24.0004	22.0000	27.3432	35.1094	Circular
Link225	Node214	53A	26.0000	24.0004	31.5670	27.3432	Circular
18"RCP	Ditch	36	20.0000	14.3200	22.2613	20.6704	Circular
36"Stub	Node219	Node217	17.5000	17.0600	20.6694	20.6730	Circular
18"RCP2	CB 2	38	15.0000	13.0000	20.1861	20.1507	Circular
18"RCP1	CB 1	38	15.0000	13.0000	20.1864	20.1507	Circular
12"RCP1	Node223	41	18.0000	15.0000	20.3185	19.5200	Circular
12"RCP2	Node224	41	18.0000	15.0000	20.2303	19.5200	Circular
24"RCP 1	Node225	Node220	16.0000	15.0000	20.2176	20.1994	Circular
Link62	Node62	Node63	19.0000	19.0000	23.3045	23.1458	Circular
Link61	Node61	Node62	19.0000	19.0000	23.3059	23.3045	Trapezoid
Link2	Node2	Node3	31.0000	27.0000	31.0964	28.5886	Trapezoid
Link3	Node3	Node4	27.0000	27.0000	28.5886	28.5235	Circular
Link66	Node66	Node66A	21.0000	20.0000	23.7511	23.7505	Trapezoid
Link69	123	27	18.0000	18.0000	22.9344	22.4159	Circular
24" RCP 2	Node220	CB 2	15.0000	15.0000	20.1994	20.1861	Circular
48" RCP	Node217	36	17.0600	14.3200	20.6730	20.6704	Circular
8.1	Node20	Node8	26.0000	25.0000	27.3144	27.6195	Circular
8.2	Node20	Node8	26.0000	25.0000	27.3144	27.6195	Circular
29.1	Node30	Node29	24.0000	23.0000	27.2974	27.3012	Circular
29.2	Node30	Node29	24.0000	23.0000	27.2974	27.3012	Circular
28.1	Node28	Node29	23.0000	23.0000	27.3113	27.3012	Circular
28.2	Node28	Node29	23.0000	23.0000	27.3113	27.3012	Circular
28.3	Node28	Node29	23.0000	23.0000	27.3113	27.3012	Circular

41.1	Node41	Node42	23.0000	22.0000	30.6201	28.8387	Circular
41.2	Node41	Node42	23.0000	22.0000	30.6201	28.8387	Circular
Spanish1	4	2	18.5300	18.4100	26.5441	25.5287	Circular
IndianDr1	15	17	18.2000	18.1000	26.1677	23.7058	Circular
2@42" RCP	21	23	17.9000	17.5000	23.2849	22.8551	Circular
Driveway1	32	30	16.3000	16.2000	21.9956	22.4025	Circular
2@24"	68	64	20.9600	20.4100	26.3220	26.3073	Circular
Seaweed.1	53B	53A	20.9206	20.9044	27.3040	27.3432	Circular
68.1	125	123	16.8200	16.7800	22.9764	22.9344	Circular
68.2	125	123	16.8200	16.7800	22.9764	22.9344	Circular

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*=====
| Table E20 - Junction Flooding and Volume Listing. |
| The maximum volume is the total volume |
| in the node including the volume in the |
| flooded storage area. This is the max |
| volume at any time. The volume in the |
| flooded storage area is the total volume |
| above the ground elevation, where the |
| flooded pond storage area starts. |
| The fourth column is instantaneous, the fifth is the |
| sum of the flooded volume over the entire simulation |
| Units are either ft^3 or m^3 depending on the units. |
*=====

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Junction Name	Surcharged Time (min)	Flooded Time (min)	Out of 1D-System (Flooded Volume)	Maximum Volume	Passed to 2D cell OR Volume Stored in allowed Flood Pond of 1D-System
Node1	0.0000	0.0000	0.0000	2380.3708	0.0000
Node2	0.0000	0.0000	0.0000	562.4489	0.0000
Node3	76.7917	0.0000	0.0000	19.9624	0.0000
Node4	0.0000	0.0000	0.0000	19.1439	0.0000
Node7	0.0000	0.0000	0.0000	19.1402	0.0000
Node5	0.0000	0.0000	0.0000	3.8239	0.0000
Node6	0.0000	0.0000	0.0000	2.8540	0.0000
Node8	999.8000	0.0000	0.0000	29947.4164	0.0000
Node20	0.0000	0.0000	0.0000	8536.6926	0.0000
Node9	2430.3250	0.0000	0.0000	36581.6049	0.0000
Node10	2430.4083	2430.4333	0.0000	13811.6643	19333.7795
Node12	2430.8917	0.0000	0.0000	26127.2046	0.0000
Node14	1035.2000	585.1500	0.0038	1910.5055	2309.8747
Node15	1035.9917	587.3000	0.0000	1902.0291	2254.2774
Node19	0.0000	0.0000	0.0000	29.1195	0.0000
Node16	590.4500	590.4917	0.0003	1879.9812	2359.9749
Node17	0.0000	0.0000	0.0000	16.5536	0.0000
Node18	0.0000	0.0000	0.0000	16.5536	0.0000
Node11	584.0333	0.0000	0.0000	22.9139	0.0000
Node20B	1064.4250	570.5000	0.0088	1784.8412	2038.2575
Node30	1056.0417	0.0000	0.0000	8807.8217	0.0000
Node22	0.0000	0.0000	0.0000	3224.0493	0.0000
Node23	0.0000	0.0000	0.0000	6617.7094	0.0000
Node24	0.0000	0.0000	0.0000	2050.4707	0.0000
Node25	1151.3750	0.0000	0.0000	35784.4571	0.0000
Node27	748.4000	0.0000	0.0000	132256.7888	0.0000
Node26	0.0000	0.0000	0.0000	4371.1628	0.0000
Node29	2503.2833	0.0000	0.0000	92266.3328	0.0000
Node28	2503.7333	0.0000	0.0000	44596.6448	0.0000
Node31	1299.2750	0.0000	0.0000	40541.2816	0.0000
Node35	1534.5167	1534.5333	0.0000	43865.1307	64153.9434
Node34	393.5750	393.6333	0.0000	1815.6446	5727.0774
Node36	1434.9917	1039.2667	0.0000	12979.5002	19196.6548
Node37	161.2833	0.0000	0.0000	18.5304	0.0000
Node39	2540.0333	2517.3667	0.0000	16260.9979	33544.6044
Node38	158.6250	158.6417	0.0000	2846.8552	5669.9524
Node40	1364.1333	0.0000	0.0000	22163.3177	0.0000
Node41	2483.4417	0.0000	0.0000	231231.4446	0.0000
Node42	2469.2750	0.0000	0.0000	56976.1980	0.0000
Node46	333.0000	0.0000	0.0000	36.4517	0.0000
Node43	2476.1583	0.0000	0.0000	42497.0525	0.0000
Node44	930.0833	91.0500	0.0000	2116.8285	2771.9664
Node49	0.0000	0.0000	0.0000	28.8233	0.0000
Node47	1096.6583	0.0000	0.0000	56623.1342	0.0000
Node48	1095.3917	613.8500	0.0000	3029.8310	3744.9952
Node51	0.0000	0.0000	0.0000	41.5801	0.0000
Node50	180.5750	0.0000	0.0000	16502.4687	0.0000
Node61	334.2667	0.0000	0.0000	54.1075	0.0000
Node52	2521.1917	0.0000	0.0000	8706.5346	0.0000
Node53	1251.9500	0.0000	0.0000	39308.4608	0.0000
Node54	1251.9167	0.0000	0.0000	35355.1926	0.0000
Node55D	0.0000	0.0000	0.0000	23885.7546	0.0000
Node56	653.3583	0.0000	0.0000	12807.1925	0.0000
Node58	333.4333	333.5250	0.0000	1840.2513	9037.0108
Node59	317.4333	0.0000	0.0000	11713.2735	0.0000
Node60	249.0250	0.0000	0.0000	10865.8916	0.0000
Node63	1305.7000	214.0833	0.0000	835.0920	1862.1595
Node64	1522.1500	1522.1667	0.0000	36297.2350	68335.7978



Node65	1517.5417	138.1167	0.0000	361.1794	1222.7031
Node67	769.2833	99.3750	0.0000	215.7908	1194.0214
Node66	168.5667	0.0000	0.0000	25796.8009	0.0000
125	746.3750	0.0000	0.0000	93.9481	0.0000
Node36A	1422.7000	935.0000	0.0000	11685.3269	14325.6757
Node57A	157.1083	0.0000	0.0000	4825.0273	0.0000
Node57B	155.3083	0.0000	0.0000	9553.6748	0.0000
Node32	1382.6500	525.7917	0.0000	2024.2645	2701.9175
Node32A	1059.4250	0.0000	0.0000	21.5999	0.0000
Node33	0.0000	0.0000	0.0000	21.5850	0.0000
Node66B	536.6083	339.1833	0.0000	5433.9314	11916.0235
Node66A	538.1500	341.4083	0.0000	5628.0409	12527.4770
Node66C	769.9667	99.7250	0.0043	216.9666	747.6887
2	0.0000	0.0000	0.0000	3468028.637	0.0000
4	910.4083	105.2083	0.0000	2585.4578	8574.4287
8	753.5750	70.9167	0.0000	1237.9287	2770.9393
15	775.8917	95.5917	0.0000	1631.7776	3638.5912
17	0.0000	0.0000	0.0000	70.4424	0.0000
19	0.0000	0.0000	0.0000	67.2400	0.0000
25	0.0000	0.0000	0.0000	66.8335	0.0000
30	0.0000	0.0000	0.0000	77.9408	0.0000
32	0.0000	0.0000	0.0000	71.5707	0.0000
34	0.0000	0.0000	0.0000	96.3930	0.0000
36	10.3417	0.0000	0.0000	79.7991	0.0000
38	45.1500	0.0000	0.0000	103.4273	0.0000
41	56.3083	0.0000	0.0000	107.8159	0.0000
45	97.3167	0.0000	0.0000	121.6549	0.0000
48	69.2333	0.0000	0.0000	103.8290	0.0000
52	3030.8333	0.0000	0.0000	2247695.648	0.0000
55	1324.4083	1324.4667	0.0000	60947.4483	191075.1271
56	1127.4917	1127.5250	0.0000	105124.2442	151931.2460
63	938.2750	170.0500	0.0000	8049.0308	17269.1067
64	446.5583	138.1500	0.0000	4522.9659	7518.3474
68	912.5333	0.0000	0.0000	293416.8966	0.0000
76	2603.4000	0.0000	0.0000	574985.0391	0.0000
78	756.0000	756.0167	0.0000	6029.6491	12569.5049
Lk-Elzbtth	0.0000	0.0000	0.0000	1701764.404	0.0000
Dgwood Lk	0.0000	0.0000	0.0000	2795106.755	0.0000
44b	0.0000	0.0000	0.0000	28.1711	0.0000
46b	0.0000	0.0000	0.0000	37.1705	0.0000
48b	0.0000	0.0000	0.0000	39.5250	0.0000
50b	0.0000	0.0000	0.0000	35.5429	0.0000
52b	0.0000	0.0000	0.0000	31.0173	0.0000
54b	0.0000	0.0000	0.0000	35.3901	0.0000
56b	0.0000	0.0000	0.0000	35.5030	0.0000
Myrtle Lk	0.0000	0.0000	0.0000	128012.6669	0.0000
60b	0.0000	0.0000	0.0000	45.5827	0.0000
Holly Lk	0.0000	0.0000	0.0000	122769.4581	0.0000
63b	0.0000	0.0000	0.0000	28.5576	0.0000
65b	0.0000	0.0000	0.0000	28.6424	0.0000
69b	0.0000	0.0000	0.0000	43.8553	0.0000
71b	0.0000	0.0000	0.0000	49.0790	0.0000
73b	145.1333	0.0000	0.0000	57.2214	0.0000
38b	264.0500	0.0000	0.0000	64.0905	0.0000
Channel	0.0000	0.0000	0.0000	44.1549	0.0000
Node20C	1064.3917	1064.4000	0.0000	13387.2613	18172.1253
Node20A	594.3167	0.0000	0.0000	16.5130	0.0000
Node33A	387.5250	0.0000	0.0000	34.0047	0.0000
Node33B	1407.6000	639.4667	0.0000	4594.1886	5516.3248
Node33E	1534.6083	1237.6083	0.0000	5918.3539	78307.2033
Node33D	1455.2917	806.1250	0.0000	6774.6268	35833.9463
Node34A	1728.2583	1535.5583	0.0000	45213.5277	157420.0104
Node33C	1402.1667	592.4417	0.0000	3964.1931	8794.4629
Node54B	1464.9750	966.9083	0.0000	76764.7082	99158.7821
Node55A	1361.8083	1087.2750	0.0000	6495.1140	8098.9381
Node55B	1358.5833	1079.5917	0.0000	6275.9762	7853.9444
Node55C	0.0000	0.0000	0.0000	5.0906	0.0000
Node42A	1400.0083	1272.4750	0.0000	40371.7145	53594.3101
Node43A	2476.1167	1538.8500	0.0000	113839.1833	132567.7441
Node43B	1395.9750	1396.0000	0.0000	67078.1681	86510.9081
Node43C	1518.5250	1390.8917	0.0000	63933.3359	79672.8643
Node43D	1276.8750	1095.6083	0.0000	9184.2236	10775.9372
Node39A	0.0000	0.0000	0.0000	29.6483	0.0000
Node39B	0.0000	0.0000	0.0000	16.1637	0.0000
1B	0.0000	0.0000	0.0000	58.4557	0.0000
1A	1145.2000	0.0000	0.0000	502068.0553	0.0000
53A	543.7667	0.0000	0.0000	920634.7460	0.0000

53B	2502.9917	1954.8917	0.0000	49259.2431	89761.0347
Node214	39.3250	0.0000	0.0000	55041.2437	0.0000
Node215	2549.8583	0.0000	0.0000	82175.3538	0.0000
Ditch	14.2500	12.9583	0.0000	1518.4177	1715.5320
Node217	0.0000	0.0000	0.0000	45.4008	0.0000
Node219	9.4750	0.0000	0.0000	39.8266	0.0000
Node220	60.2917	0.0000	0.0000	65.3356	0.0000
CB 2	60.0333	25.1000	0.0000	1085.4570	1096.6811
CB 1	77.7000	23.7750	0.0000	1087.5779	1135.3093
Node223	40.5083	33.4083	0.0000	1900.2219	2105.1811
Node224	39.4250	28.3333	0.0000	1320.2273	1445.3181
Node225	47.0917	26.9167	0.0000	1265.8330	1339.7624
Node 13	2483.8833	589.8417	0.0000	1926.9816	2244.4549
Node45	0.0000	0.0000	0.0000	29.2498	0.0000
Node62	333.4000	333.4667	0.0000	1830.2001	4683.0770
1	1052.9333	1052.9833	0.0000	9555.1518	76111.5464
123	408.2417	0.0000	0.0000	95.9342	0.0000
6	939.3000	100.5083	0.0000	2240.7796	8370.1659
21	0.0000	0.0000	0.0000	36761.2190	0.0000
23	0.0000	0.0000	0.0000	67.2927	0.0000
27	0.0000	0.0000	0.0000	79379.2433	0.0000

#####  
# Table E22. Numerical Model judgement section #  
#####

Overall error was (minimum of Table E18 & E21) -0.1564 percent  
Worst nodal error was in node Node33E with -12.6575 percent  
Of the total inflow this loss was 1.2088 percent  
Your overall continuity error was Excellent  
Efficiency of the simulation Excellent Efficiency  
Most Number of Non Convergences at one Node 1.41  
Total Number Non Convergences at all Nodes 7.  
Total Number of Nodes with Non Convergences 10.  
Total Number of Nodes with Non Convergences 3.

====> Hydraulic model simulation ended normally.  
====> XP-SWMM Simulation ended normally.  
====> Your input file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\100 Year.DAT  
====> Your output file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\new\100 Year.out

```

*=====
|           SWMM Simulation Date and Time Summary           |
*=====
| Starting Date... July      23, 2008  Time...  17:13:53:11 |
| Ending Date...  July      23, 2008  Time...  17:34:31:26 |
| Elapsed Time...  20.63583 minutes or 1238.15000 seconds |
*=====

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