STORM

STORM11

Date: 09-12-2002
Time: 17:22:12

Remington 10

Input File: rem10.inp

Storm Frequency = 2-Year

* * * H Y D R O L O G Y * * *

Tributary Area									Hydrology Summation				Conduit Data				
Node	to Node	C	Area (AC)	Slope (%)	Length (Ft)	TC(0) (Min)	I(0) (In/Hr)	Q(0) (CFS)	TC (Min)	I (In/Hr)	Q (CFS)	Sum Q (CFS)	Size	Velocity (Ft/Sec)	Length (Ft)	TT (Min)	TT+TC (Min)
200	190	.50	1.19	.00	.0	15.00	3.83	2.30	15.00	3.83	2.30	2.30	15"	1.87	155.00	1.38	16.38
195	190	.57	.52	.00	.0	15.00	3.83	.60	15.00	3.83	.60	.60	15"	.49	35.00	1.19	16.19
190	180	.57	.97	.00	.0	15.00	3.83	.90	16.38	3.68	.86	3.76	15"	3.06	240.00	1.31	17.68
185	180	.57	.70	.00	.0	15.00	3.83	.90	15.00	3.83	.90	.90	15"	.73	35.00	.80	15.80
180	140	.57	1.72	.00	.0	15.00	3.83	1.60	17.68	3.54	1.48	6.10	18"	3.45	135.00	.65	18.34
170	160	.50	.31	.00	.0	15.00	3.83	.60	15.00	3.83	.60	.60	15"	.49	80.00	2.73	17.73
160	150	.50	.47	.00	.0	15.00	3.83	.90	17.73	3.54	.83	1.43	15"	1.17	240.00	3.43	21.15
150	140	.50	.61	.00	.0	15.00	3.83	1.20	21.15	3.24	1.02	2.45	18"	1.38	125.00	1.50	22.66
145	140	.57	.11	.00	.0	15.00	3.83	.60	15.00	3.83	.60	.60	18"	.34	35.00	1.72	16.72
140	120	.57	.18	.00	.0	15.00	3.83	1.30	18.34	3.48	1.18	9.83	24"	3.13	130.00	.69	19.03
130	120	.50	2.84	.00	.0	15.00	3.83	5.40	15.00	3.83	5.40	5.40	18"	3.06	125.00	.68	15.68
125	120	.57	.11	.00	.0	15.00	3.83	.50	15.00	3.83	.50	.50	18"	.28	35.00	2.06	17.06
120	110	.57	.22	.00	.0	15.00	3.83	1.10	19.03	3.42	.98	16.21	30"	3.30	195.00	.98	20.01
115	110	.57	.16	.00	.0	15.00	3.83	.70	15.00	3.83	.70	.70	18"	.40	35.00	1.47	16.47
110	100	.57	.34	.00	.0	15.00	3.83	2.50	20.01	3.33	2.18	19.02	30"	3.88	50.00	.22	20.23

Remington 10

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Storm Frequency = 2-Year

* * * H Y D R A U L I C S * * *

Node	Hyd-Slope (Ft/Ft)	Friction (Ft)	Bend (Ft)	Transition (Ft)	Manhole (Ft)	Deflection (Ft)	Junction (Ft)	Total (Ft)	Hyd-Gl Elevation	Desired Elevation	Diff. (Ft)
100	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	202.8000	202.8000	.00
110	.00127	.0636	.0000	.0064	.0000	.4768	.1319	.6787	203.4787	205.5000	2.02
115	.00003	.0009	.0000	.0000	.0000	.0000	.0000	.0009	203.4796	205.5000	2.02
120	.00092	.1802	.0000	.0017	.0000	.3419	.0526	.5764	204.0551	207.1000	3.04
125	.00001	.0005	.0000	.0000	.0000	.0000	.0000	.0005	204.0556	207.1000	3.04
130	.00156	.1955	.0000	.0000	.0000	.0000	.0000	.1955	204.2506	209.6000	5.35
140	.00112	.1453	.0000	.0065	.0000	.4633	.0954	.7105	204.7655	208.2000	3.43
145	.00002	.0007	.0000	.0000	.0000	.0000	.0000	.0007	204.7662	208.2000	3.43
150	.00032	.0401	.0000	.0009	.0000	.0028	.0372	.0811	204.8466	206.1000	1.25
160	.00029	.0698	.0000	.0017	.0000	.0005	.0358	.1078	204.9545	207.3000	2.35
170	.00005	.0041	.0000	.0000	.0000	.0000	.0000	.0041	204.9585	209.1000	4.14
180	.00199	.2690	.0000	.0039	.0000	.3279	.1941	.7949	205.5605	209.5000	3.94
185	.00011	.0040	.0000	.0000	.0000	.0000	.0000	.0040	205.5645	209.5000	3.94
190	.00201	.4814	.0000	.0091	.0000	.1368	.1834	.8107	206.3712	211.4000	5.03
195	.00005	.0018	.0000	.0000	.0000	.0000	.0000	.0018	206.3730	211.4000	5.03
200	.00075	.1163	.0000	.0000	.0000	.0000	.0000	.1163	206.4874	208.3000	1.81

Date: 09-12-2002
Time: 17:29:41

Remington 12

Input File: rem12.inp
**Analysis with 100-yr flow to node 130

Storm Frequency = 2-Year

* * * H Y D R O L O G Y * * *

Tributary Area									Hydrology Summation				Conduit Data				
Node	to Node	C	Area (Ac)	Slope (%)	Length (Ft)	TC(0) (Min)	I(0) (In/Hr)	Q(0) (CFS)	TC (Min)	I (In/Hr)	Q (CFS)	Sum Q (CFS)	Size	Velocity (Ft/Sec)	Length (Ft)	TT (Min)	TT+TC (Min)
200	190	.50	1.19	.00	.0	15.00	3.83	2.30	15.00	3.83	2.30	2.30	15"	1.87	155.00	1.38	16.38
195	190	.57	.52	.00	.0	15.00	3.83	.60	15.00	3.83	.60	.60	15"	.49	35.00	1.19	16.19
190	180	.57	.97	.00	.0	15.00	3.83	.90	16.38	3.68	.86	3.76	15"	3.06	240.00	1.31	17.68
185	180	.57	.70	.00	.0	15.00	3.83	.90	15.00	3.83	.90	.90	15"	.73	35.00	.80	15.80
180	140	.57	1.72	.00	.0	15.00	3.83	1.60	17.68	3.54	1.48	6.10	18"	3.45	135.00	.65	18.34
170	160	.50	.31	.00	.0	15.00	3.83	.60	15.00	3.83	.60	.60	15"	.49	80.00	2.73	17.73
160	150	.50	.47	.00	.0	15.00	3.83	.90	17.73	3.54	.83	1.43	15"	1.17	240.00	3.43	21.15
150	140	.50	.61	.00	.0	15.00	3.83	1.20	21.15	3.24	1.02	2.45	18"	1.38	125.00	1.50	22.66
145	140	.57	.11	.00	.0	15.00	3.83	.60	15.00	3.83	.60	.60	18"	.34	35.00	1.72	16.72
140	120	.57	.18	.00	.0	15.00	3.83	1.30	18.34	3.48	1.18	9.83	24"	3.13	130.00	.69	19.03
130	120	.50	2.84	.00	.0	15.00	3.83	16.00	15.00	3.83	16.00	16.00	18"	9.05	125.00	.23	15.23
125	120	.57	.11	.00	.0	15.00	3.83	.50	15.00	3.83	.50	.50	18"	.28	35.00	2.06	17.06
120	110	.57	.22	.00	.0	15.00	3.83	1.10	19.03	3.42	.98	25.67	30"	5.23	195.00	.62	19.65
115	110	.57	.16	.00	.0	15.00	3.83	.70	15.00	3.83	.70	.70	18"	.40	35.00	1.47	16.47
110	100	.57	.34	.00	.0	15.00	3.83	2.50	19.65	3.36	2.20	28.51	30"	5.81	50.00	.14	19.79

Remington 12

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**Analysis with 100-yr flow to node 130

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Storm Frequency = 2-Year

* * * H Y D R A U L I C S * * *

Node	Hyd-Slope (Ft/Ft)	Friction (Ft)	Bend (Ft)	Transition (Ft)	Manhole (Ft)	Deflection (Ft)	Junction (Ft)	Total (Ft)	Hyd-Gl Elevation	Desired Elevation	Diff. (Ft)
100	.00000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	202.8000	202.8000	.00
110	.00286	.1430	.0000	.0099	.0000	1.1962	.2101	1.5591	204.3591	205.5000	1.14
115	.00003	.0009	.0006	.0000	.0000	.0000	.0000	.0016	204.3606	205.5000	1.14
120	.00232	.4521	.0000	.1696	.0000	.0112	-.2625	.3704	204.7294	207.1000	2.37
125	.00001	.0005	.0000	.0000	.0000	.0000	.0000	.0005	204.7299	207.1000	2.37
130	.01373	1.7160	.0000	.0000	.0000	.0000	.0000	1.7160	206.4455	209.6000	3.15
140	.00112	.1453	.0000	.0065	.0000	.4633	.0954	.7105	205.4399	208.2000	2.76
145	.00002	.0007	.0000	.0000	.0000	.0000	.0000	.0007	205.4406	208.2000	2.76
150	.00032	.0401	.0000	.0009	.0000	.0028	.0372	.0811	205.5210	206.1000	.58
160	.00029	.0698	.0000	.0017	.0000	.0005	.0358	.1078	205.6288	207.3000	1.67
170	.00005	.0041	.0000	.0000	.0000	.0000	.0000	.0041	205.6329	209.1000	3.47
180	.00199	.2690	.0000	.0039	.0000	.3279	.1941	.7949	206.2348	209.5000	3.27
185	.00011	.0040	.0000	.0000	.0000	.0000	.0000	.0040	206.2388	209.5000	3.26
190	.00201	.4814	.0000	.0091	.0000	.1368	.1834	.8107	207.0455	211.4000	4.35
195	.00005	.0018	.0000	.0000	.0000	.0000	.0000	.0018	207.0473	211.4000	4.35
200	.00075	.1163	.0000	.0000	.0000	.0000	.0000	.1163	207.1618	208.3000	1.14