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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.012)
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WARNING 09: time series interval greater than recording interval for Rain Gage Rain Gage-1
WARNING 01: wet weather time step reduced to recording interval for Rain Gage Rain Gage-1
WARNING 05: minimum slope used for Conduit PIPE-3
WARNING 05: minimum slope used for Conduit PIPE-4
WARNING 03: negative offset ignored for Link PIPE-7

*************
Element Count
*************
Number of rain gages ...... 1
Number of subcatchments ... 6
Number of nodes ........... 11
Number of links ........... 10
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
****************
                                                  Data       Recording
Name                 Data Source                  Type       Interval
----------------------------------------------------------------------
Rain Gage-1          SCS_Type_II                  CUMULATIVE   1 min.


********************
Subcatchment Summary
********************
Name                        Area     Width   %Imperv    %Slope Rain Gage            Outlet
-------------------------------------------------------------------------------------------
-
Basin_5                     2.86    500.00      0.00    0.5000 Rain Gage-1          MH-A
Basin_4                     0.99    500.00      0.00    0.5000 Rain Gage-1          MH-B
```

Basin_3	1.45	500.00	0.00	0.5000	Rain Gage-1	MH-C
Basin_2	2.83	500.00	0.00	0.5000	Rain Gage-1	MH-D
Basin_1B	2.08	500.00	0.00	0.5000	Rain Gage-1	MH-F
Basin_1A	2.11	500.00	0.00	0.5000	Rain Gage-1	MH-G

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
MH-A	JUNCTION	4948.55	2.68	10.0	
MH-B	JUNCTION	4948.18	2.96	1980.0	
MH-C	JUNCTION	4947.63	3.47	10.0	
MH-D	JUNCTION	4946.60	4.00	10.0	
MH-D2	JUNCTION	4946.27	4.46	10.0	
MH-E	JUNCTION	4945.68	5.05	10.0	
MH-F	JUNCTION	4945.60	4.55	4000.0	
MH-G	JUNCTION	4945.25	4.88	10.0	
MH-H	JUNCTION	4944.25	5.88	10.0	
MH-I	JUNCTION	4943.77	7.02	10.0	
ISLETA_DRAIN	OUTFALL	4943.43	2.42	0.0	

****
Link Summary
****

Name	From Node	To Node	Type	Length	%Slope	Roughness
PIPE-0	MH-I	ISLETA_DRAIN	CONDUIT	29.4	1.1565	0.0130
PIPE-1	MH-H	MH-I	CONDUIT	29.2	1.6457	0.0130
PIPE-2	MH-G	MH-H	CONDUIT	249.0	0.4016	0.0130
PIPE-3	MH-F	MH-G	CONDUIT	196.3	0.2000	0.0130
PIPE-4	MH-E	MH-F	CONDUIT	73.2	0.2000	0.0130
PIPE-4.5	MH-D2	MH-E	CONDUIT	57.0	1.0351	0.0130
PIPE-5	MH-D	MH-D2	CONDUIT	77.3	0.4269	0.0130
PIPE-6	MH-C	MH-D	CONDUIT	410.4	0.2510	0.0130

PIPE-7	MH-B	MH-C	CONDUIT	189.9	0.2896	0.0130
PIPE-8	MH-A	MH-B	CONDUIT	102.5	0.3512	0.0130

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
PIPE-0	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	74.15
PIPE-1	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	88.46
PIPE-2	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	43.70
PIPE-3	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	30.84
PIPE-4	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	30.84
PIPE-4.5	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	70.16
PIPE-5	HORIZ_ELLIPSE	2.42	7.40	0.74	3.75	1	45.05
PIPE-6	HORIZ_ELLIPSE	2.00	5.10	0.61	3.17	1	21.08
PIPE-7	HORIZ_ELLIPSE	2.00	5.10	0.61	3.17	1	22.64
PIPE-8	HORIZ_ELLIPSE	1.58	3.30	0.49	2.50	1	13.89

****
Transect Summary
****

Transect XS-L-0
Area:

0.0005	0.0019	0.0043	0.0076	0.0118
0.0170	0.0232	0.0305	0.0390	0.0487
0.0595	0.0715	0.0847	0.0990	0.1145
0.1312	0.1491	0.1682	0.1884	0.2098
0.2323	0.2561	0.2810	0.3071	0.3338
0.3604	0.3871	0.4137	0.4404	0.4670
0.4937	0.5203	0.5470	0.5736	0.6003
0.6269	0.6536	0.6802	0.7069	0.7335
0.7602	0.7868	0.8135	0.8401	0.8668

```
            0.8934     0.9201     0.9467     0.9734     1.0000
Hrad:
            0.0139     0.0278     0.0418     0.0557     0.0696
            0.0835     0.0963     0.1080     0.1202     0.1329
            0.1459     0.1591     0.1724     0.1858     0.1994
            0.2130     0.2267     0.2404     0.2542     0.2680
            0.2818     0.2957     0.3095     0.3238     0.3512
            0.3784     0.4055     0.4326     0.4595     0.4863
            0.5130     0.5396     0.5660     0.5924     0.6187
            0.6448     0.6708     0.6968     0.7226     0.7483
            0.7740     0.7995     0.8249     0.8502     0.8754
            0.9005     0.9256     0.9505     0.9753     1.0000
Width:
            0.0355     0.0711     0.1066     0.1422     0.1777
            0.2132     0.2520     0.2961     0.3402     0.3842
            0.4283     0.4724     0.5164     0.5605     0.6046
            0.6487     0.6927     0.7368     0.7809     0.8249
            0.8690     0.9131     0.9572     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000

Transect XS-L-1
Area:
            0.0005     0.0019     0.0043     0.0076     0.0118
            0.0170     0.0232     0.0305     0.0390     0.0487
            0.0595     0.0715     0.0847     0.0990     0.1145
            0.1312     0.1491     0.1682     0.1884     0.2098
            0.2323     0.2561     0.2810     0.3071     0.3338
            0.3604     0.3871     0.4137     0.4404     0.4670
            0.4937     0.5203     0.5470     0.5736     0.6003
            0.6269     0.6536     0.6802     0.7069     0.7335
            0.7602     0.7868     0.8135     0.8401     0.8668
            0.8934     0.9201     0.9467     0.9734     1.0000
Hrad:
            0.0139     0.0278     0.0418     0.0557     0.0696
```

```
            0.0835     0.0963     0.1080     0.1202     0.1329
            0.1459     0.1591     0.1724     0.1858     0.1994
            0.2130     0.2267     0.2404     0.2542     0.2680
            0.2818     0.2957     0.3095     0.3238     0.3512
            0.3784     0.4055     0.4326     0.4595     0.4863
            0.5130     0.5396     0.5660     0.5924     0.6187
            0.6448     0.6708     0.6968     0.7226     0.7483
            0.7740     0.7995     0.8249     0.8502     0.8754
            0.9005     0.9256     0.9505     0.9753     1.0000
Width:
            0.0355     0.0711     0.1066     0.1422     0.1777
            0.2132     0.2520     0.2961     0.3402     0.3842
            0.4283     0.4724     0.5164     0.5605     0.6046
            0.6487     0.6927     0.7368     0.7809     0.8249
            0.8690     0.9131     0.9572     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000

Transect XS-L-2
Area:
            0.0005     0.0019     0.0043     0.0076     0.0118
            0.0170     0.0232     0.0305     0.0390     0.0487
            0.0595     0.0715     0.0847     0.0990     0.1145
            0.1312     0.1491     0.1682     0.1884     0.2098
            0.2323     0.2561     0.2810     0.3071     0.3338
            0.3604     0.3871     0.4137     0.4404     0.4670
            0.4937     0.5203     0.5470     0.5736     0.6003
            0.6269     0.6536     0.6802     0.7069     0.7335
            0.7602     0.7868     0.8135     0.8401     0.8668
            0.8934     0.9201     0.9467     0.9734     1.0000
Hrad:
            0.0139     0.0278     0.0418     0.0557     0.0696
            0.0835     0.0963     0.1080     0.1202     0.1329
            0.1459     0.1591     0.1724     0.1858     0.1994
            0.2130     0.2267     0.2404     0.2542     0.2680
```

```
            0.2818     0.2957     0.3095     0.3238     0.3512
            0.3784     0.4055     0.4326     0.4595     0.4863
            0.5130     0.5396     0.5660     0.5924     0.6187
            0.6448     0.6708     0.6968     0.7226     0.7483
            0.7740     0.7995     0.8249     0.8502     0.8754
            0.9005     0.9256     0.9505     0.9753     1.0000
Width:
            0.0355     0.0711     0.1066     0.1422     0.1777
            0.2132     0.2520     0.2961     0.3402     0.3842
            0.4283     0.4724     0.5164     0.5605     0.6046
            0.6487     0.6927     0.7368     0.7809     0.8249
            0.8690     0.9131     0.9572     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000

Transect XS-L-3
Area:
            0.0005     0.0019     0.0043     0.0076     0.0118
            0.0170     0.0232     0.0305     0.0390     0.0487
            0.0595     0.0715     0.0847     0.0990     0.1145
            0.1312     0.1491     0.1682     0.1884     0.2098
            0.2323     0.2561     0.2810     0.3071     0.3338
            0.3604     0.3871     0.4137     0.4404     0.4670
            0.4937     0.5203     0.5470     0.5736     0.6003
            0.6269     0.6536     0.6802     0.7069     0.7335
            0.7602     0.7868     0.8135     0.8401     0.8668
            0.8934     0.9201     0.9467     0.9734     1.0000
Hrad:
            0.0139     0.0278     0.0418     0.0557     0.0696
            0.0835     0.0963     0.1080     0.1202     0.1329
            0.1459     0.1591     0.1724     0.1858     0.1994
            0.2130     0.2267     0.2404     0.2542     0.2680
            0.2818     0.2957     0.3095     0.3238     0.3512
            0.3784     0.4055     0.4326     0.4595     0.4863
            0.5130     0.5396     0.5660     0.5924     0.6187
```

```
            0.6448     0.6708     0.6968     0.7226     0.7483
            0.7740     0.7995     0.8249     0.8502     0.8754
            0.9005     0.9256     0.9505     0.9753     1.0000
Width:
            0.0355     0.0711     0.1066     0.1422     0.1777
            0.2132     0.2520     0.2961     0.3402     0.3842
            0.4283     0.4724     0.5164     0.5605     0.6046
            0.6487     0.6927     0.7368     0.7809     0.8249
            0.8690     0.9131     0.9572     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000
            1.0000     1.0000     1.0000     1.0000     1.0000

Transect XS-L-4
Area:
            0.0005     0.0019     0.0043     0.0076     0.0118
            0.0170     0.0232     0.0305     0.0390     0.0487
            0.0595     0.0715     0.0847     0.0990     0.1145
            0.1312     0.1491     0.1682     0.1884     0.2098
            0.2323     0.2561     0.2810     0.3071     0.3338
            0.3604     0.3871     0.4137     0.4404     0.4670
            0.4937     0.5203     0.5470     0.5736     0.6003
            0.6269     0.6536     0.6802     0.7069     0.7335
            0.7602     0.7868     0.8135     0.8401     0.8668
            0.8934     0.9201     0.9467     0.9734     1.0000
Hrad:
            0.0139     0.0278     0.0418     0.0557     0.0696
            0.0835     0.0963     0.1080     0.1202     0.1329
            0.1459     0.1591     0.1724     0.1858     0.1994
            0.2130     0.2267     0.2404     0.2542     0.2680
            0.2818     0.2957     0.3095     0.3238     0.3512
            0.3784     0.4055     0.4326     0.4595     0.4863
            0.5130     0.5396     0.5660     0.5924     0.6187
            0.6448     0.6708     0.6968     0.7226     0.7483
            0.7740     0.7995     0.8249     0.8502     0.8754
            0.9005     0.9256     0.9505     0.9753     1.0000
```

Width:

0.0355	0.0711	0.1066	0.1422	0.1777
0.2132	0.2520	0.2961	0.3402	0.3842
0.4283	0.4724	0.5164	0.5605	0.6046
0.6487	0.6927	0.7368	0.7809	0.8249
0.8690	0.9131	0.9572	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

Transect XS-L-5
Area:

0.0005	0.0019	0.0043	0.0076	0.0118
0.0170	0.0232	0.0305	0.0390	0.0487
0.0595	0.0715	0.0847	0.0990	0.1145
0.1312	0.1491	0.1682	0.1884	0.2098
0.2323	0.2561	0.2810	0.3071	0.3338
0.3604	0.3871	0.4137	0.4404	0.4670
0.4937	0.5203	0.5470	0.5736	0.6003
0.6269	0.6536	0.6802	0.7069	0.7335
0.7602	0.7868	0.8135	0.8401	0.8668
0.8934	0.9201	0.9467	0.9734	1.0000

Hrad:

0.0139	0.0278	0.0418	0.0557	0.0696
0.0835	0.0963	0.1080	0.1202	0.1329
0.1459	0.1591	0.1724	0.1858	0.1994
0.2130	0.2267	0.2404	0.2542	0.2680
0.2818	0.2957	0.3095	0.3238	0.3512
0.3784	0.4055	0.4326	0.4595	0.4863
0.5130	0.5396	0.5660	0.5924	0.6187
0.6448	0.6708	0.6968	0.7226	0.7483
0.7740	0.7995	0.8249	0.8502	0.8754
0.9005	0.9256	0.9505	0.9753	1.0000

Width:

0.0355	0.0711	0.1066	0.1422	0.1777
0.2132	0.2520	0.2961	0.3402	0.3842

0.4283	0.4724	0.5164	0.5605	0.6046
0.6487	0.6927	0.7368	0.7809	0.8249
0.8690	0.9131	0.9572	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

Transect XS-L-6

Area:

0.0005	0.0019	0.0043	0.0076	0.0118
0.0170	0.0232	0.0305	0.0390	0.0487
0.0595	0.0715	0.0847	0.0990	0.1145
0.1312	0.1491	0.1682	0.1884	0.2098
0.2323	0.2561	0.2810	0.3071	0.3338
0.3604	0.3871	0.4137	0.4404	0.4670
0.4937	0.5203	0.5470	0.5736	0.6003
0.6269	0.6536	0.6802	0.7069	0.7335
0.7602	0.7868	0.8135	0.8401	0.8668
0.8934	0.9201	0.9467	0.9734	1.0000

Hrad:

0.0139	0.0278	0.0418	0.0557	0.0696
0.0835	0.0963	0.1080	0.1202	0.1329
0.1459	0.1591	0.1724	0.1858	0.1994
0.2130	0.2267	0.2404	0.2542	0.2680
0.2818	0.2957	0.3095	0.3238	0.3512
0.3784	0.4055	0.4326	0.4595	0.4863
0.5130	0.5396	0.5660	0.5924	0.6187
0.6448	0.6708	0.6968	0.7226	0.7483
0.7740	0.7995	0.8249	0.8502	0.8754
0.9005	0.9256	0.9505	0.9753	1.0000

Width:

0.0355	0.0711	0.1066	0.1422	0.1777
0.2132	0.2520	0.2961	0.3402	0.3842
0.4283	0.4724	0.5164	0.5605	0.6046
0.6487	0.6927	0.7368	0.7809	0.8249
0.8690	0.9131	0.9572	1.0000	1.0000

1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

Transect XS-L-7

Area:

0.0005	0.0019	0.0043	0.0076	0.0118
0.0170	0.0232	0.0305	0.0390	0.0487
0.0595	0.0715	0.0847	0.0990	0.1145
0.1312	0.1491	0.1682	0.1884	0.2098
0.2323	0.2561	0.2810	0.3071	0.3338
0.3604	0.3871	0.4137	0.4404	0.4670
0.4937	0.5203	0.5470	0.5736	0.6003
0.6269	0.6536	0.6802	0.7069	0.7335
0.7602	0.7868	0.8135	0.8401	0.8668
0.8934	0.9201	0.9467	0.9734	1.0000

Hrad:

0.0139	0.0278	0.0418	0.0557	0.0696
0.0835	0.0963	0.1080	0.1202	0.1329
0.1459	0.1591	0.1724	0.1858	0.1994
0.2130	0.2267	0.2404	0.2542	0.2680
0.2818	0.2957	0.3095	0.3238	0.3512
0.3784	0.4055	0.4326	0.4595	0.4863
0.5130	0.5396	0.5660	0.5924	0.6187
0.6448	0.6708	0.6968	0.7226	0.7483
0.7740	0.7995	0.8249	0.8502	0.8754
0.9005	0.9256	0.9505	0.9753	1.0000

Width:

0.0355	0.0711	0.1066	0.1422	0.1777
0.2132	0.2520	0.2961	0.3402	0.3842
0.4283	0.4724	0.5164	0.5605	0.6046
0.6487	0.6927	0.7368	0.7809	0.8249
0.8690	0.9131	0.9572	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

Transect XS-L-8

Area:

0.0005	0.0019	0.0043	0.0076	0.0118
0.0170	0.0232	0.0305	0.0390	0.0487
0.0595	0.0715	0.0847	0.0990	0.1145
0.1312	0.1491	0.1682	0.1884	0.2098
0.2323	0.2561	0.2810	0.3071	0.3338
0.3604	0.3871	0.4137	0.4404	0.4670
0.4937	0.5203	0.5470	0.5736	0.6003
0.6269	0.6536	0.6802	0.7069	0.7335
0.7602	0.7868	0.8135	0.8401	0.8668
0.8934	0.9201	0.9467	0.9734	1.0000

Hrad:

0.0139	0.0278	0.0418	0.0557	0.0696
0.0835	0.0963	0.1080	0.1202	0.1329
0.1459	0.1591	0.1724	0.1858	0.1994
0.2130	0.2267	0.2404	0.2542	0.2680
0.2818	0.2957	0.3095	0.3238	0.3512
0.3784	0.4055	0.4326	0.4595	0.4863
0.5130	0.5396	0.5660	0.5924	0.6187
0.6448	0.6708	0.6968	0.7226	0.7483
0.7740	0.7995	0.8249	0.8502	0.8754
0.9005	0.9256	0.9505	0.9753	1.0000

Width:

0.0355	0.0711	0.1066	0.1422	0.1777
0.2132	0.2520	0.2961	0.3402	0.3842
0.4283	0.4724	0.5164	0.5605	0.6046
0.6487	0.6927	0.7368	0.7809	0.8249
0.8690	0.9131	0.9572	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

Transect XS-L-Pipe - (26)
Area:

0.0005	0.0019	0.0043	0.0076	0.0118
0.0170	0.0232	0.0305	0.0390	0.0487
0.0595	0.0715	0.0847	0.0990	0.1145
0.1312	0.1491	0.1682	0.1884	0.2098
0.2323	0.2561	0.2810	0.3071	0.3338
0.3604	0.3871	0.4137	0.4404	0.4670
0.4937	0.5203	0.5470	0.5736	0.6003
0.6269	0.6536	0.6802	0.7069	0.7335
0.7602	0.7868	0.8135	0.8401	0.8668
0.8934	0.9201	0.9467	0.9734	1.0000

Hrad:

0.0139	0.0278	0.0418	0.0557	0.0696
0.0835	0.0963	0.1080	0.1202	0.1329
0.1459	0.1591	0.1724	0.1858	0.1994
0.2130	0.2267	0.2404	0.2542	0.2680
0.2818	0.2957	0.3095	0.3238	0.3512
0.3784	0.4055	0.4326	0.4595	0.4863
0.5130	0.5396	0.5660	0.5924	0.6187
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0.7740	0.7995	0.8249	0.8502	0.8754
0.9005	0.9256	0.9505	0.9753	1.0000

Width:

0.0355	0.0711	0.1066	0.1422	0.1777
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0.8690	0.9131	0.9572	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000

****
NOTE: The summary statistics displayed in this report are

based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... YES
  Water Quality ..... NO
Infiltration Method ..... CURVE_NUMBER
Flow Routing Method ..... DYNWAVE
Starting Date 02/20/2017 00:00:00
Ending Date 02/21/2017 00:00:00
Antecedent Dry Days 0.0
Report Time Step 00:06:00
Wet Time Step 00:01:00
Dry Time Step 01:00:00
Routing Time Step ..... 30.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 1
Head Tolerance ..... 0.005000 ft

****
Control Actions Taken
****

********** Volume Depth
Runoff Quantity Continuity acre-feet inches

**************************	---------	-------
Total Precipitation	2.543	2.477
Evaporation Loss	0.000	0.000
Infiltration Loss	1.178	1.147
Surface Runoff	1.360	1.325
Final Storage	0.017	0.017
Continuity Error (%)	-0.478	

**************************	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
**************************	---------	---------
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	1.353	0.441
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	1.350	0.440
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.005	0.002
Continuity Error (%)	-0.175	

****
Time-Step Critical Elements
****
Link PIPE-0 (29.08%)
Link PIPE-4 (3.53%)

****
Highest Flow Instability Indexes
****
Link PIPE-8 (9)
Link PIPE-7 (8)

Link PIPE-0 (4)
Link PIPE-4.5 (4)
Link PIPE-1 (4)

****
Routing Time Step Summary
****

Minimum Time Step	:	1.98 sec
Average Time Step	:	21.17 sec
Maximum Time Step	:	30.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	2.03
Percent Not Converging	:	0.05

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
Basin_5	2.48	0.00	0.00	0.83	1.64	0.13	9.73	0.660
Basin_4	2.48	0.00	0.00	1.24	1.25	0.03	4.65	0.504
Basin_3	2.48	0.00	0.00	1.24	1.24	0.05	5.26	0.499
Basin_2	2.48	0.00	0.00	1.24	1.22	0.09	6.99	0.494
Basin_1B	2.48	0.00	0.00	1.24	1.23	0.07	6.00	0.496
Basin_1A	2.48	0.00	0.00	1.24	1.23	0.07	6.02	0.496

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
MH-A	JUNCTION	0.22	1.16	4949.71	0 11:55	0.56
MH-B	JUNCTION	0.23	1.25	4949.43	0 11:55	0.62
MH-C	JUNCTION	0.27	1.21	4948.84	0 11:56	0.77
MH-D	JUNCTION	0.30	1.28	4947.88	0 11:57	0.90
MH-D2	JUNCTION	0.24	1.16	4947.43	0 11:57	0.80
MH-E	JUNCTION	0.42	1.63	4947.31	0 11:57	1.33
MH-F	JUNCTION	0.40	1.48	4947.08	0 11:57	1.25
MH-G	JUNCTION	0.36	1.22	4946.47	0 12:04	1.12
MH-H	JUNCTION	0.30	1.16	4945.41	0 12:04	1.11
MH-I	JUNCTION	0.32	1.16	4944.93	0 12:04	1.12
ISLETA_DRAIN	OUTFALL	0.26	0.86	4944.29	0 12:04	0.83

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
MH-A	JUNCTION	9.73	9.73	0 11:55	0.127	0.126	0.303
MH-B	JUNCTION	4.65	13.58	0 11:55	0.0334	0.159	-0.484
MH-C	JUNCTION	5.26	15.89	0 11:55	0.0486	0.209	0.136
MH-D	JUNCTION	6.99	17.24	0 11:56	0.0938	0.302	0.088
MH-D2	JUNCTION	0.00	15.92	0 11:57	0	0.302	0.014
MH-E	JUNCTION	0.00	15.62	0 11:57	0	0.302	0.045
MH-F	JUNCTION	6.00	16.88	0 11:57	0.0693	0.37	0.057
MH-G	JUNCTION	6.02	18.09	0 11:57	0.0703	0.44	0.061
MH-H	JUNCTION	0.00	17.96	0 12:04	0	0.44	0.037
MH-I	JUNCTION	0.00	17.90	0 12:04	0	0.44	0.003
ISLETA_DRAIN	OUTFALL	0.00	17.90	0 12:04	0	0.44	0.000

****
Node Surcharge Summary
****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
ISLETA_DRAIN	92.77	3.20	17.90	0.440
System	92.77	3.20	17.90	0.440

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth

PIPE-0	CONDUIT	17.90	0	12:04	6.38	0.24	0.42
PIPE-1	CONDUIT	17.90	0	12:04	5.05	0.20	0.48
PIPE-2	CONDUIT	17.96	0	12:04	4.93	0.41	0.49
PIPE-3	CONDUIT	16.90	0	11:57	3.93	0.55	0.56
PIPE-4	CONDUIT	15.50	0	11:57	2.97	0.50	0.65
PIPE-4.5	CONDUIT	15.62	0	11:57	3.56	0.22	0.58
PIPE-5	CONDUIT	15.92	0	11:57	4.47	0.35	0.50
PIPE-6	CONDUIT	12.81	0	11:56	3.85	0.61	0.61
PIPE-7	CONDUIT	12.56	0	11:55	4.06	0.55	0.58
PIPE-8	CONDUIT	9.47	0	11:55	3.61	0.68	0.73

****
Flow Classification Summary
****

	Adjusted	Fraction of Time in Flow Class								
Conduit	/Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
PIPE-0	1.00	0.02	0.04	0.00	0.06	0.88	0.00	0.00	0.00	0.00
PIPE-1	1.00	0.02	0.00	0.00	0.22	0.76	0.00	0.00	0.18	0.00
PIPE-2	1.00	0.02	0.00	0.00	0.59	0.39	0.00	0.00	0.00	0.00
PIPE-3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.19	0.00
PIPE-4	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
PIPE-4.5	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.95	0.00
PIPE-5	1.00	0.02	0.00	0.00	0.66	0.32	0.00	0.00	0.00	0.00
PIPE-6	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.80	0.00
PIPE-7	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.95	0.00
PIPE-8	1.00	0.01	0.00	0.00	0.93	0.00	0.00	0.06	0.00	0.00

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Tue Feb 13 11:44:00 2018
Analysis ended on: Tue Feb 13 11:44:00 2018
Total elapsed time: < 1 sec