E EVANS AVE
E YALE AVE
E DARTMOUTH AVE
E HAMPDEN AVE
E BELLEVIEW AVE
W OXFORD AVE
W QUINCY AVE
W QUINCY AVE
S SANTA FE DR
S FEDERAL BLVD
S ZUNI ST
S BROADWAY
S CLARKSON ST
S UNIVERSITY BLVD
S SHERIDAN BLVD
S LOWELL BLVD
Harvard Gulch
West Harvard Gulch
Dartmouth Ditch
Dry Gulch
Bear Creek
South Platte River
Little Dry Creek
Southwest Greenbelt
City Ditch
Big Dry Creek
Highline Canal
Bow Mar Lake
Denver County
Arapahoe County

105 114 72
100 99 79
110 65 77
115 69 76
040 67 77
410 65 77
420 56 72
140 99 88
175 39 69
041 89 76
145 56 52
150 40 82
170 42 56
165 31 68
155 65 84
160 44 80
415 35 72
425 27 79
430 45 66
435 32 50
700 25 74
705 36 65
710 24 84
715 27 71
720 22 66
440 35 65
600 32 78
605 45 87
610 52 79
615 38 89
620 84 71
630 29 88
625 43 60
815 32 79
940 41 70
800 77 84
820 39 76
935 76 60
945 48 68
950 40 70
830 17 65
825 43 71
845 28 64
805 107 76
925 49 79
835 32 58
855 33 70
955 62 65
810 40 76
865 58 70
960 73 34
930 54 67
840 53 63
850 42 63
860 56 67
885 20 68
890 32 52
900 25 35
905 39 35
870 33 76
895 48 59
875 53 74
880 65 67
915 28 41
910 73 37
920 43 44
505 90 65
500 95 72
510 32 60
521 37 61
520 56 68
535 93 40
526 75 60
515 60 60
525 54 64
050 81 75
530 50 60
056 58 62
054 29 63
055 37 84
061 91 77
060 63 69

LEGEND

- Open Channel
- Pipe
- Ditches/Canals
- City of Englewood Boundary
- Basin Boundary
- Subbasin Boundary
- *Subcatchment ID*
- Subcatchment Data
- *Future % Impervious*
- *Area (acre)*

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)

Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-4
SUBBASIN DATA

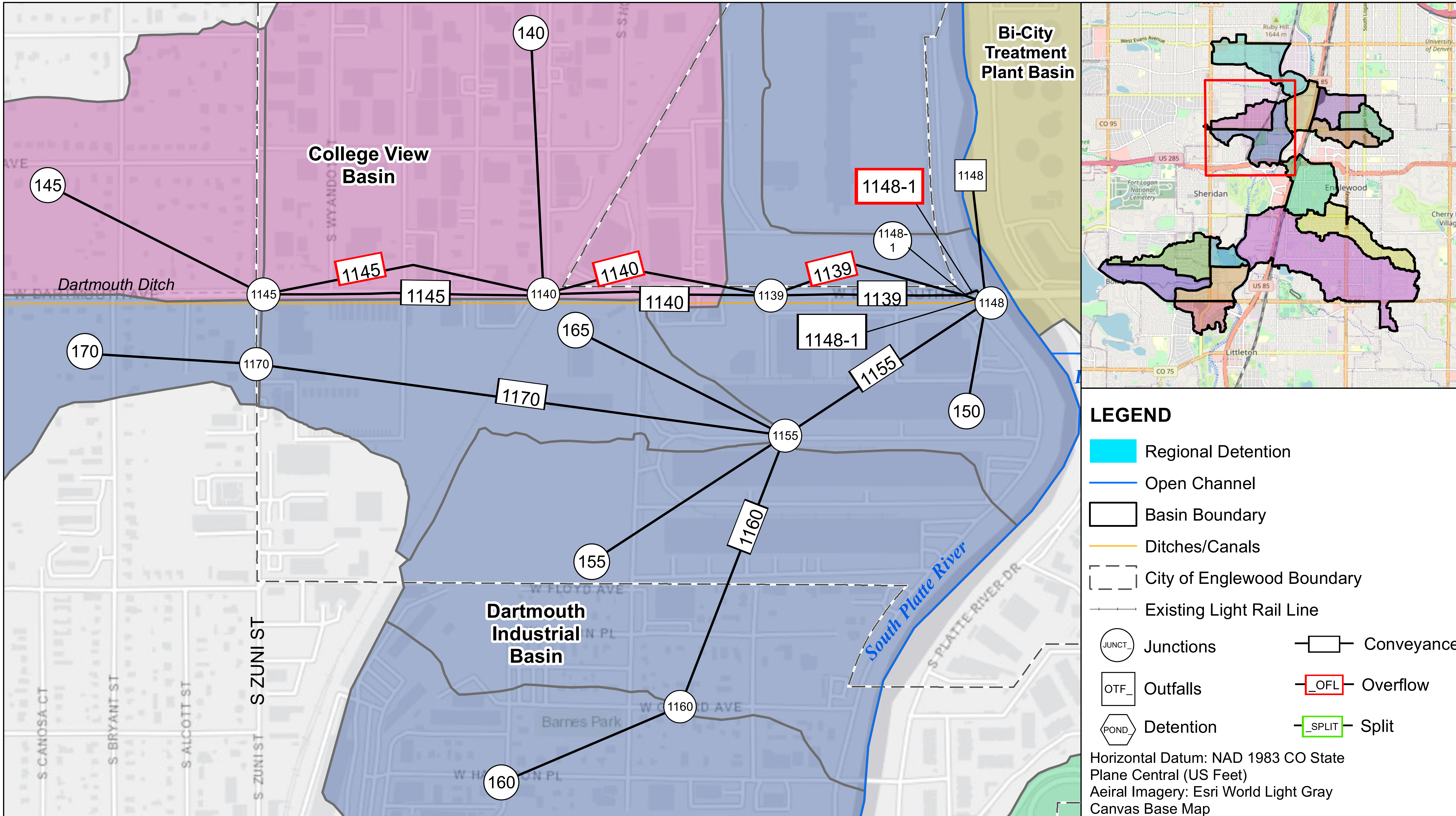
N

0 0.25 0.5
Miles
1 inch = 0.5 miles

MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry



College View Basin
Bi-City Treatment Plant Basin
Dartmouth Industrial Basin
Dartmouth Ditch
South Platte River
S ZUNI ST
S WYANDOT
W FLOYD AVE
S PLATTE RIVER DR
Barnes Park
S CANOSA CT
S BRYANT ST
S ALCOTT ST
140
145
1145
1145
1145
1140
1140
1140
1139
1139
1139
1148-1
1148-1
1148-1
1148
1148
165
170
1170
1170
1155
1155
150
155
1160
1160
160
LEGEND
Regional Detention
Open Channel
Basin Boundary
Ditches/Canals
City of Englewood Boundary
Existing Light Rail Line
Junctions
Conveyance
Outfalls
Overflow
Detention
Split
Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 1

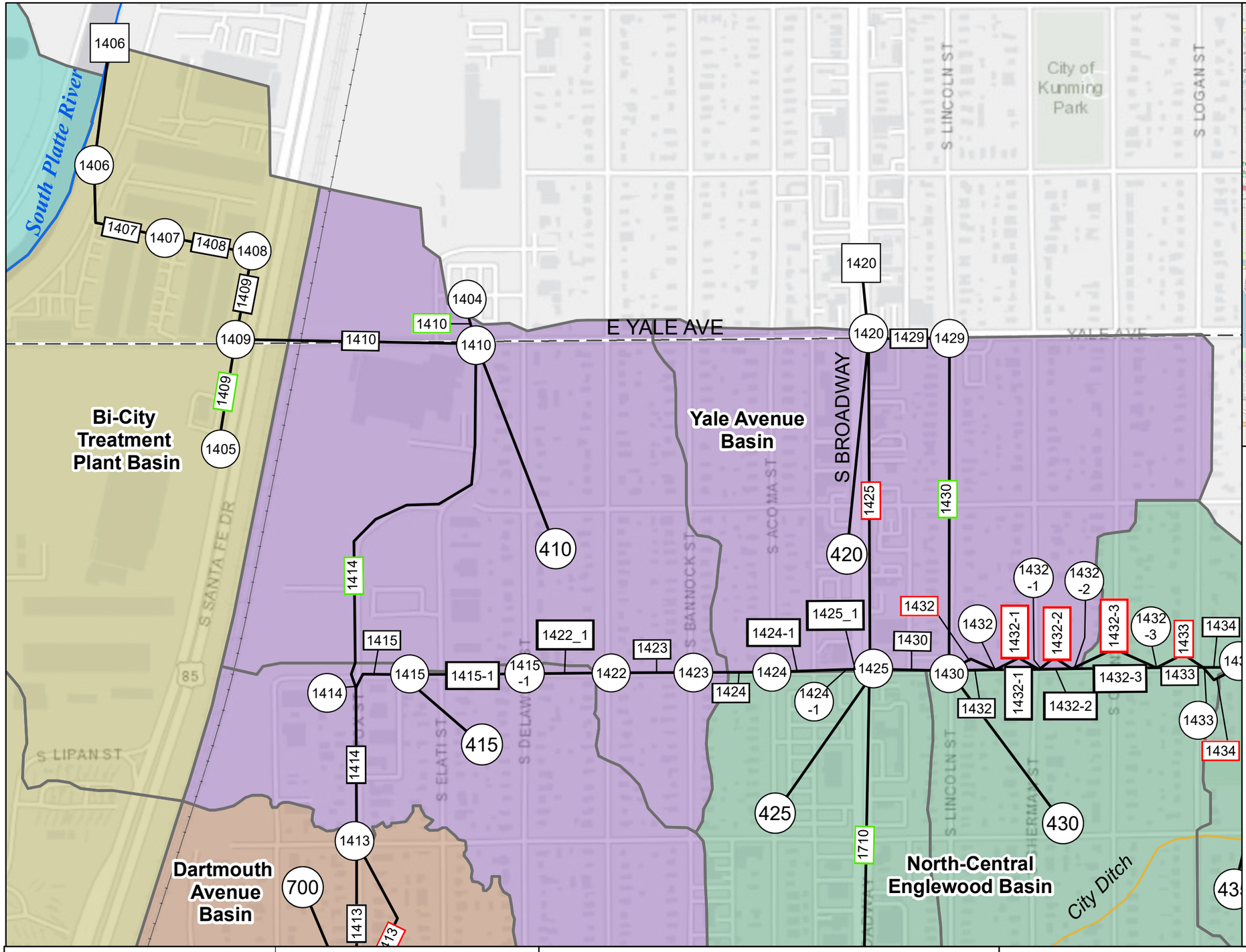
N
0 200 400
Feet
1 inch = 400 feet

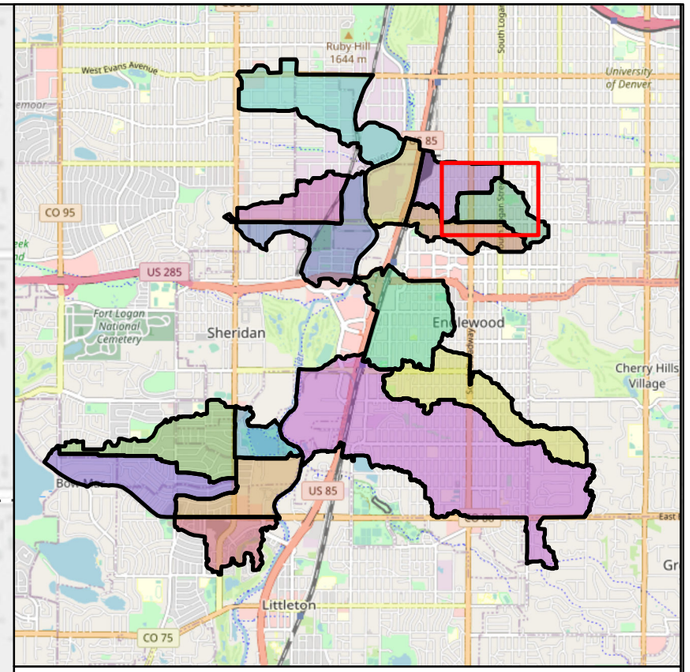
MHFD MILE HIGH FLOOD DISTRICT

Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

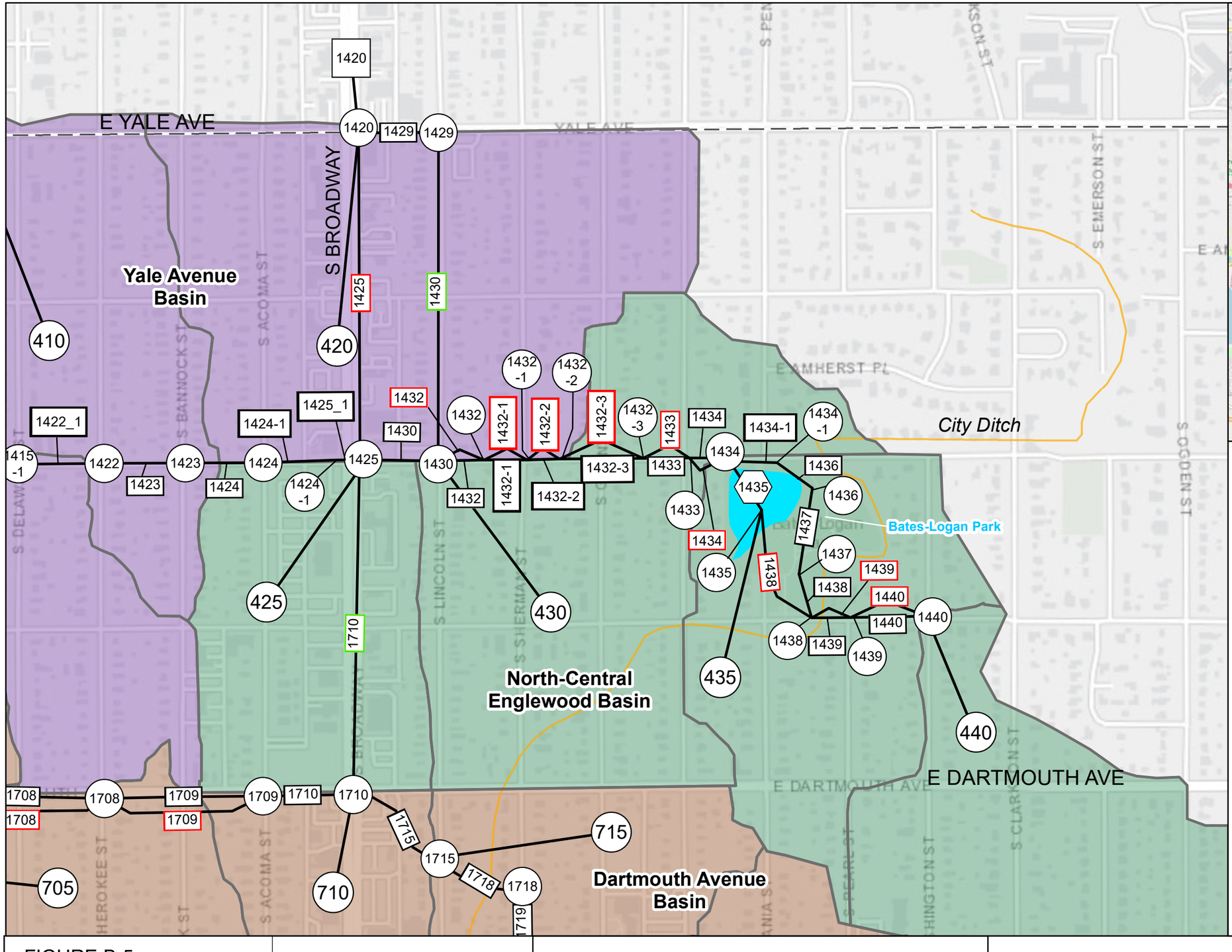
FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 2

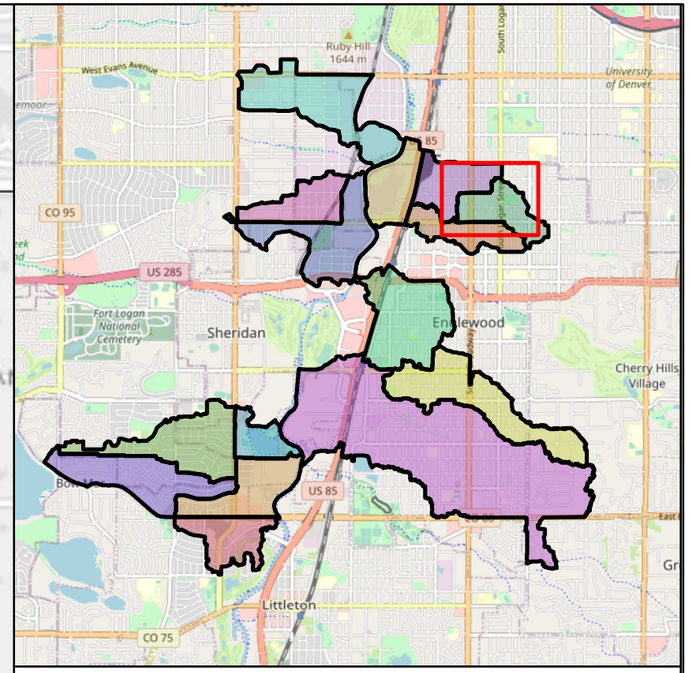
N
0 200 400
Feet
1 inch = 400 feet

MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

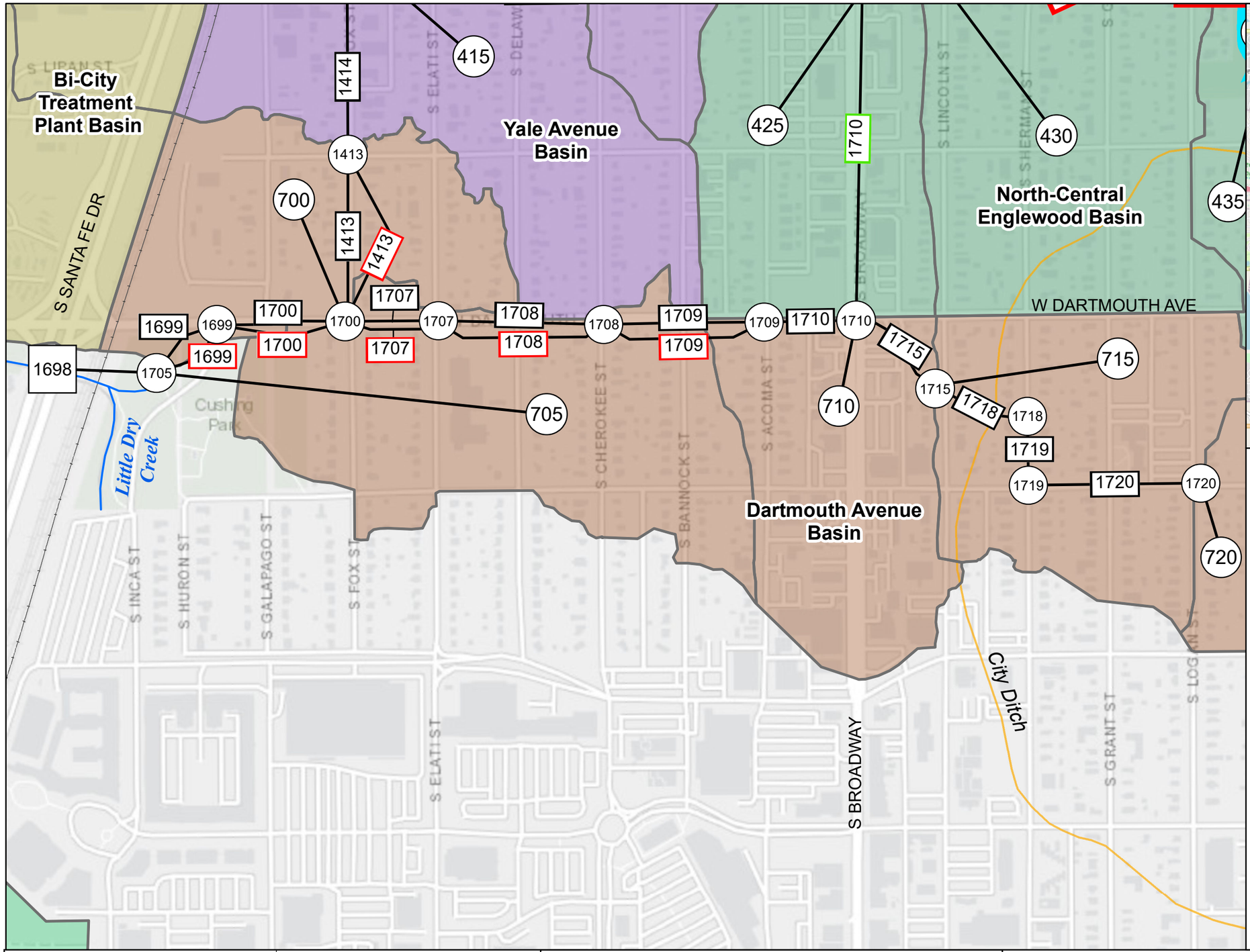
FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 3

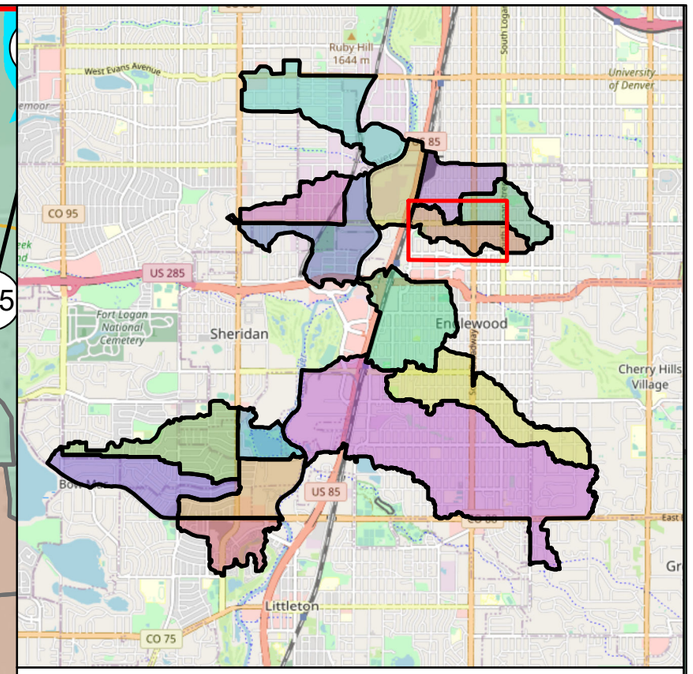
N
0 200 400
Feet
1 inch = 400 feet

MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 4

N

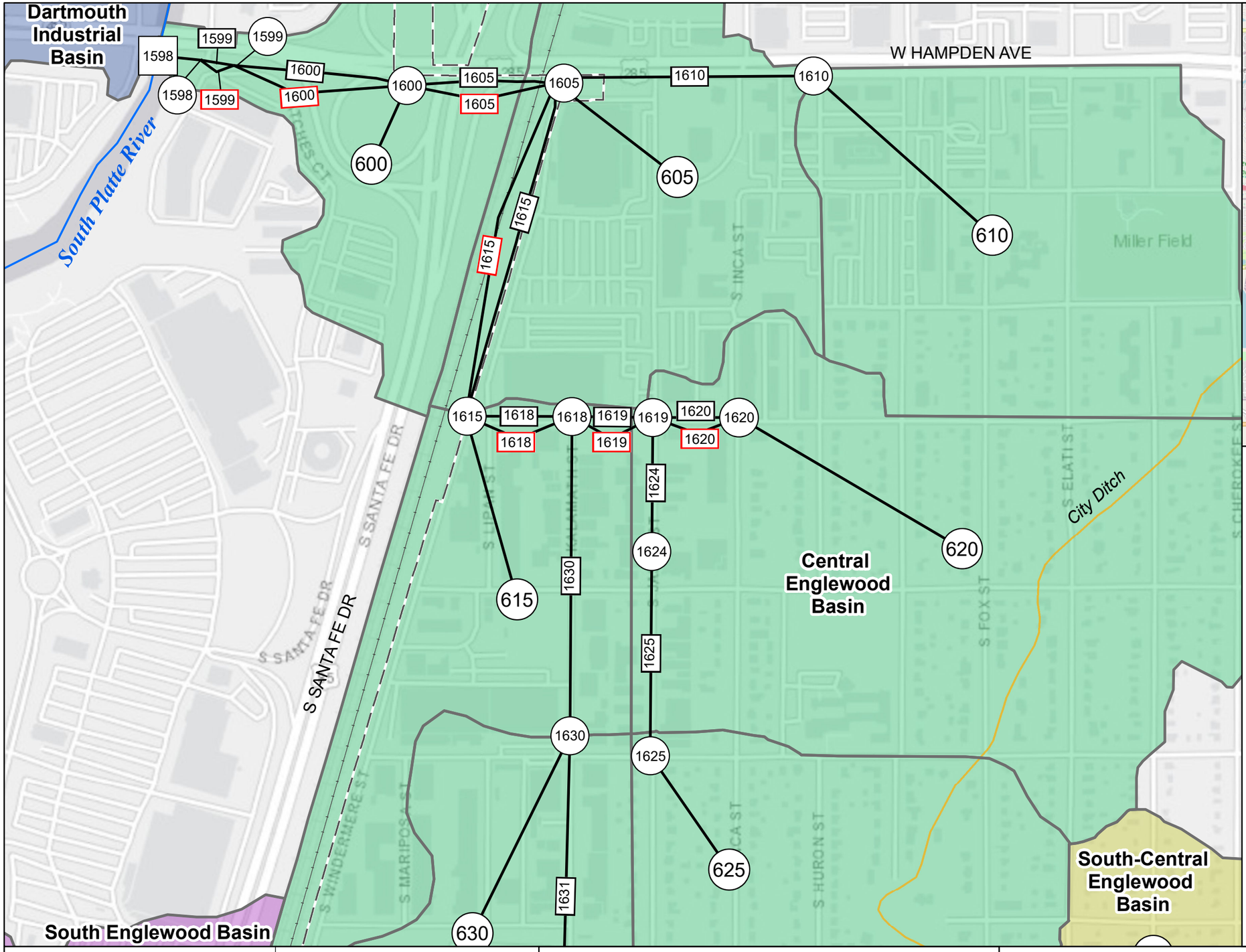
0 200 400
Feet
1 inch = 400 feet

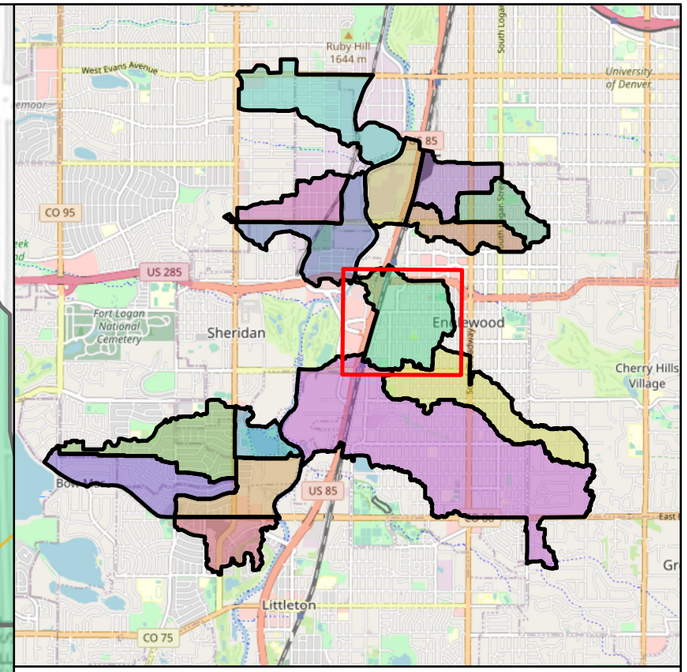
MHFD MILE HIGH FLOOD DISTRICT

Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry®





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 5

N
0 200 400
Feet
1 inch = 400 feet

MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry

Central Englewood Basin

South-Central Englewood Basin

South Englewood Basin

W OXFORD AVE

W OXFORD PL

W PRINCETON PL

W STANFORD DR

S BROADWAY

S SHERMAN ST

S LINCOLN ST

S GALAPAGO ST

S FOX ST

S ELATI ST

S DELAWARE ST

S CHEROKEE ST

S BANNOCK ST

S ACOMA ST

S HURON ST

Englewood Recreation Center

Jason Park

Jason Park

City Ditch

Rotolo Park

940

945

935

830

845

855

865

950

1820

1631

1934

1935

1943

1944

1945

1945-1

1945 -1

1946

1947

1948

1949-1

1949 -1

1949

1950

1951

1953

1832

1833

1834

1835

1849

1840

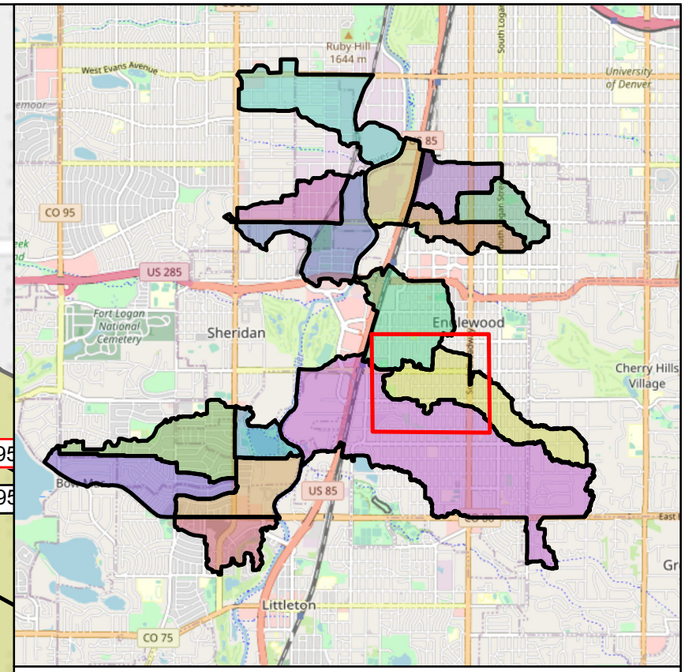
1845

1854

1855

1858

1860



LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 6

N

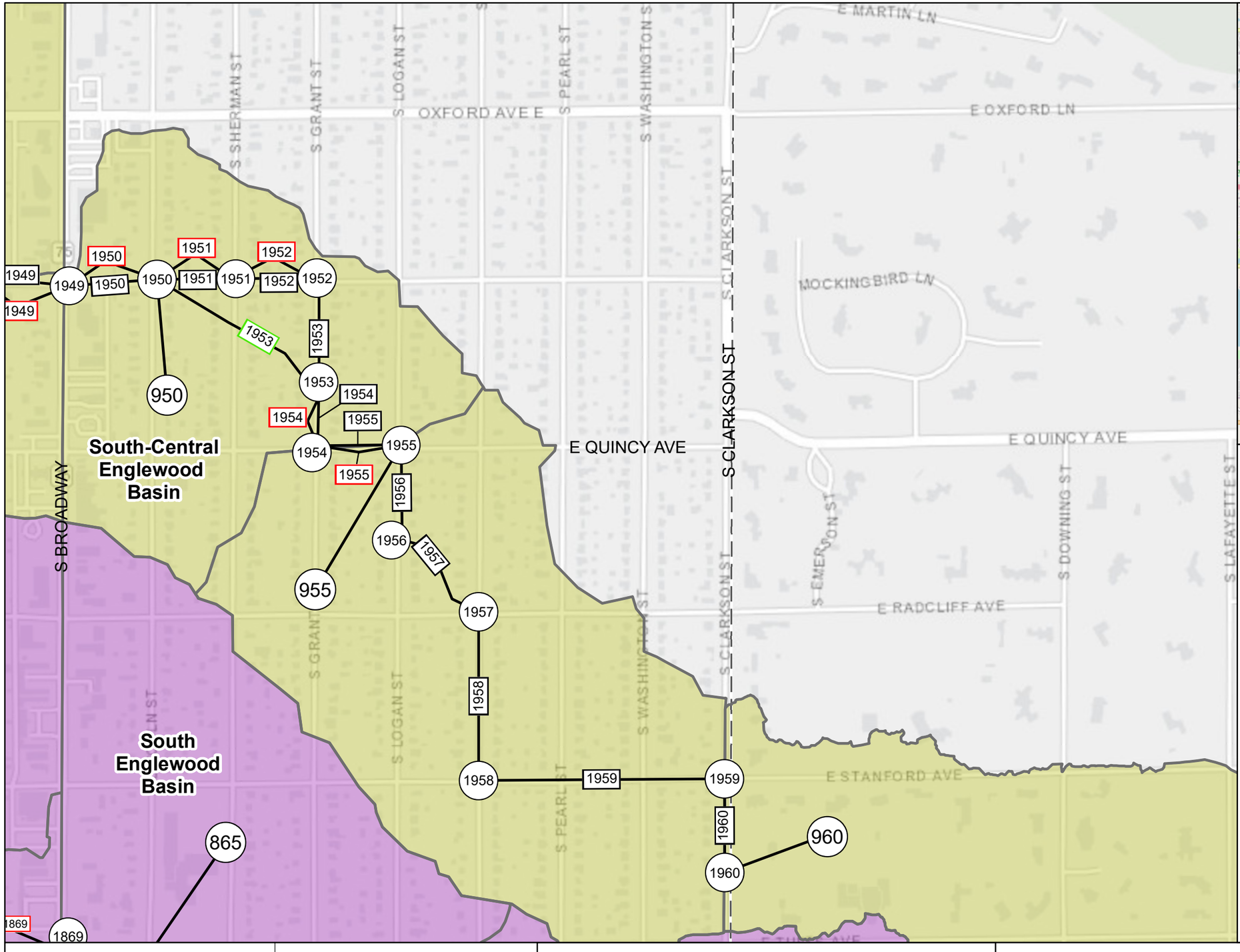
0 200 400
Feet
1 inch = 400 feet

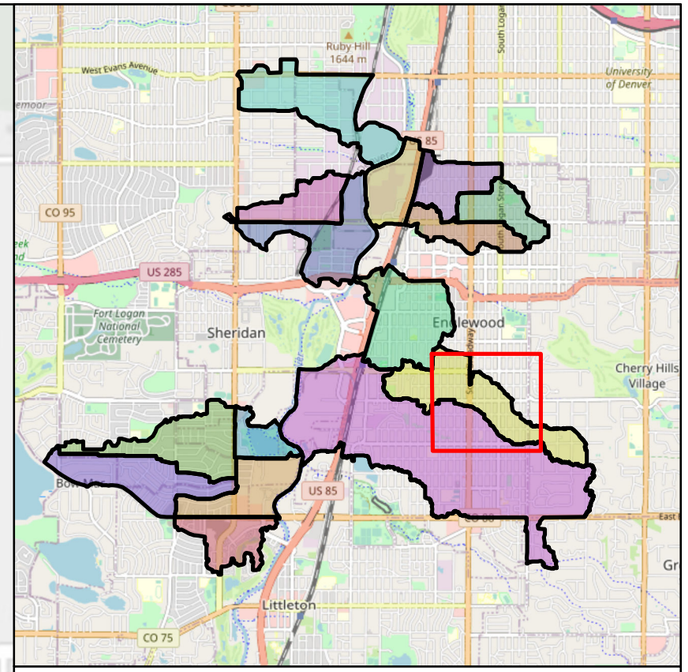
MHFD MILE HIGH FLOOD DISTRICT

Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

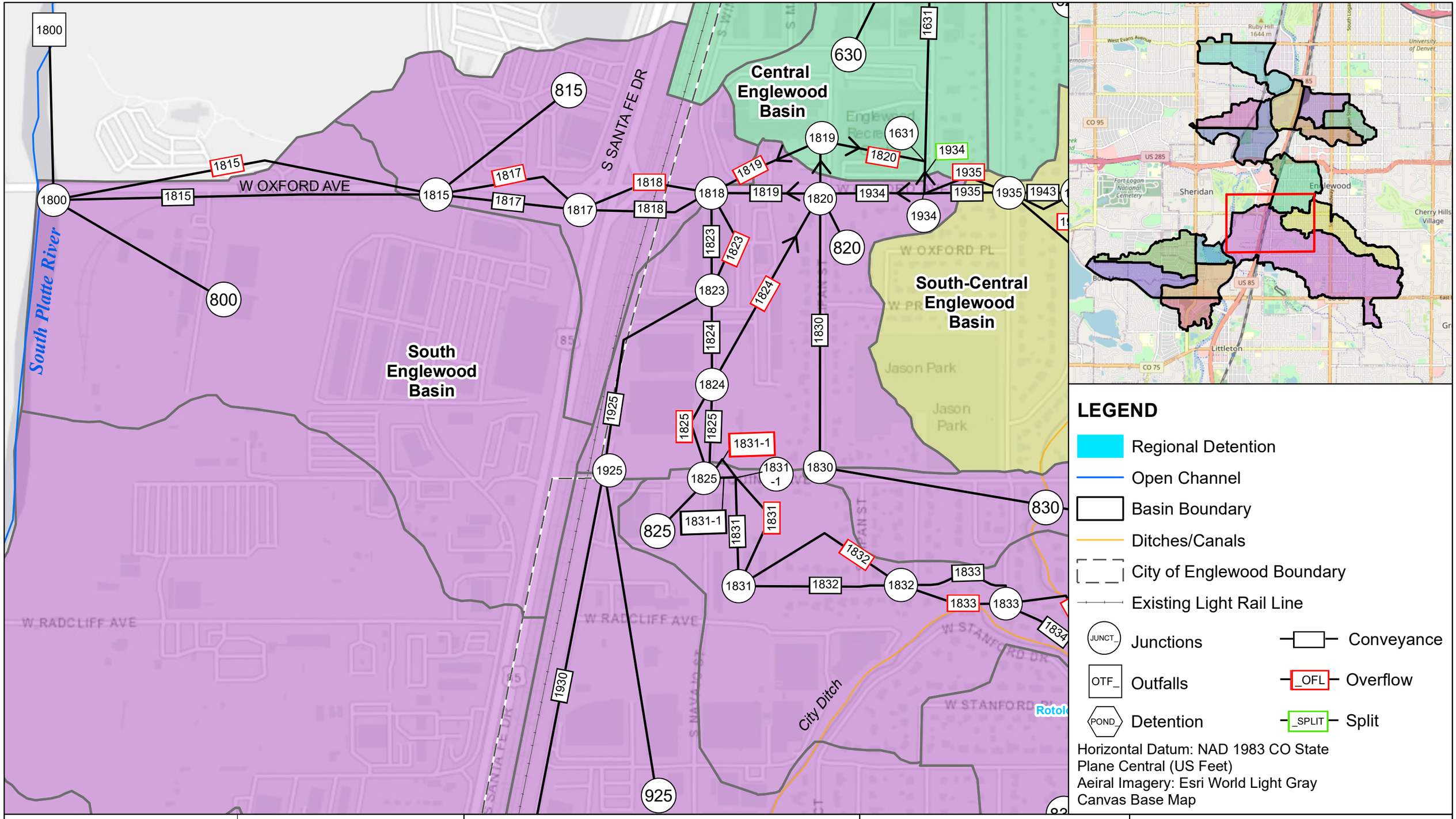
FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 7

N
0 200 400
Feet
1 inch = 400 feet

MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry



LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 8

N

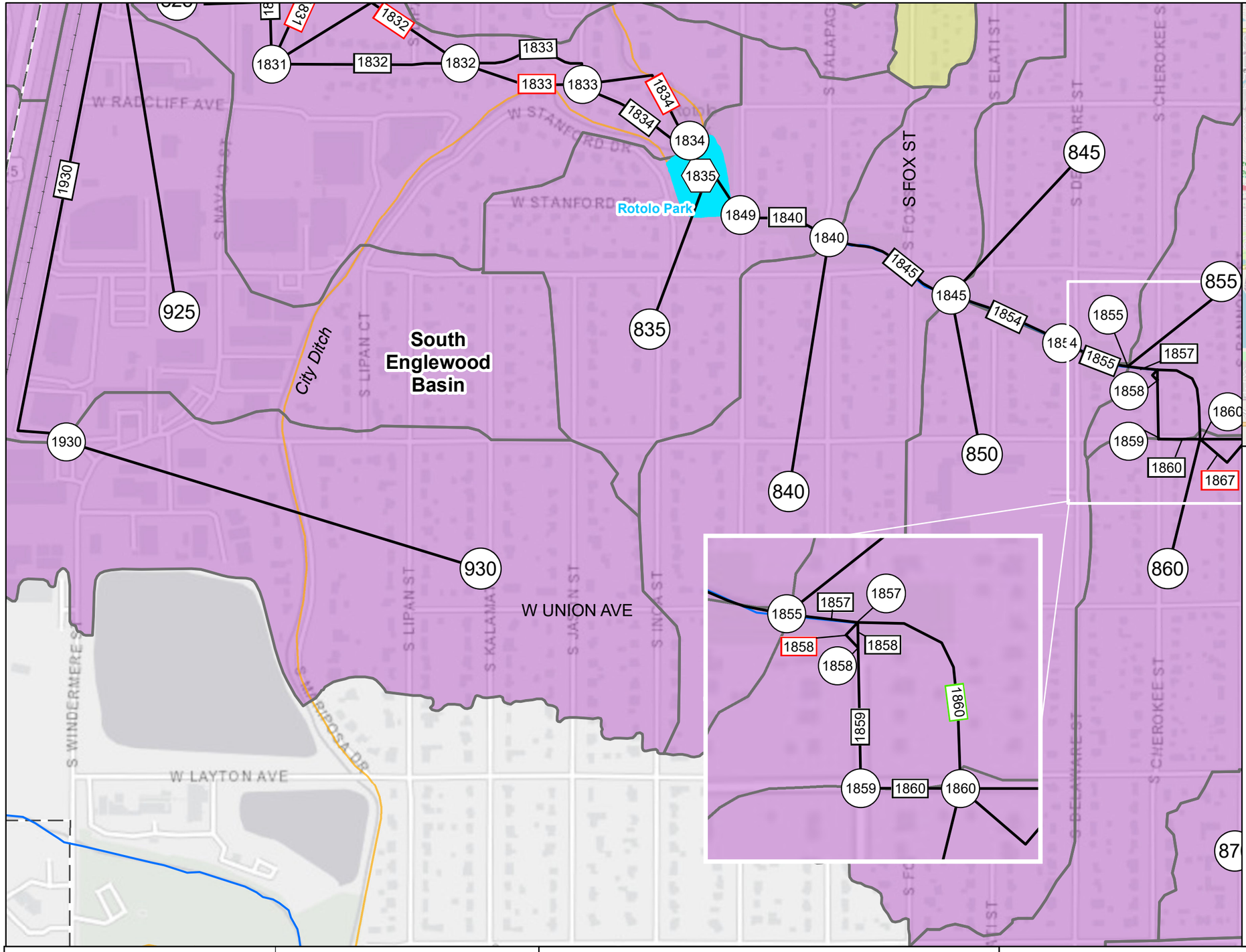
0 200 400
Feet
1 inch = 400 feet

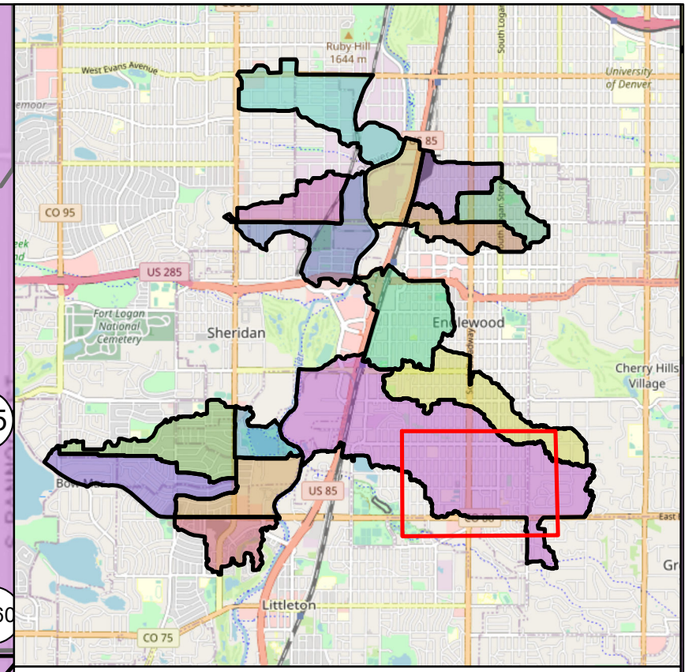
MHFD MILE HIGH FLOOD DISTRICT

Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- OTF_ Outfalls
- POND_ Detention
- Conveyance
- _OFL Overflow
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 9

N
0 200 400
Feet
1 inch = 400 feet

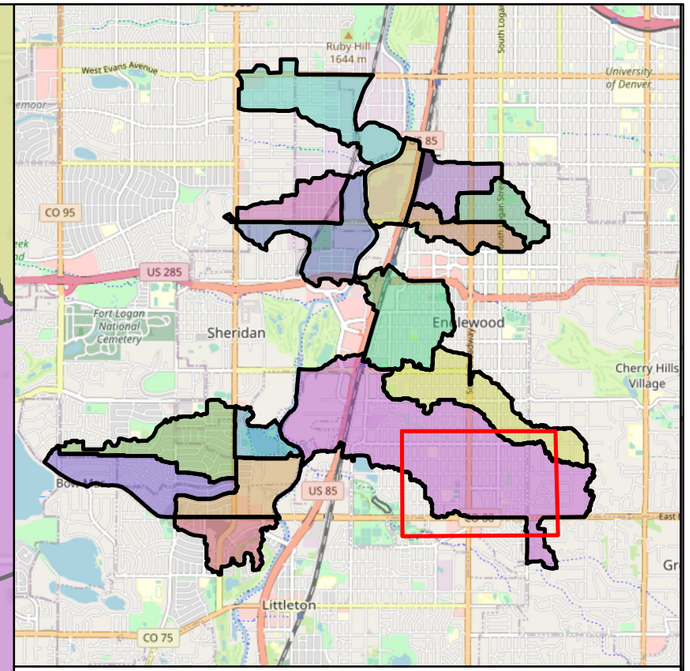
MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry

South-Central Englewood Basin

South Englewood Basin



LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- OTF_ Outfalls
- POND_ Detention
- Conveyance
- _OFL Overflow
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 10

N

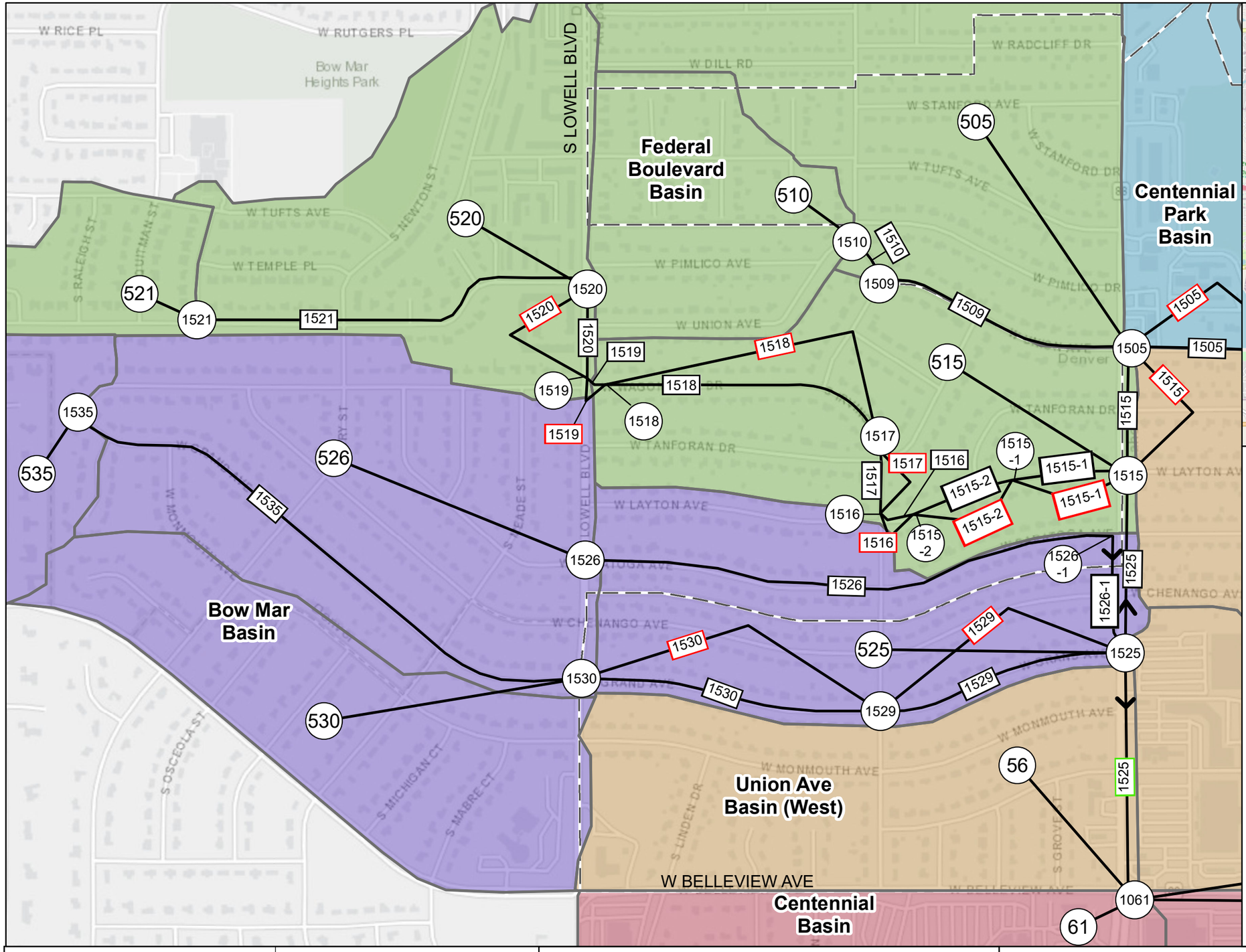
0 200 400
Feet
1 inch = 400 feet

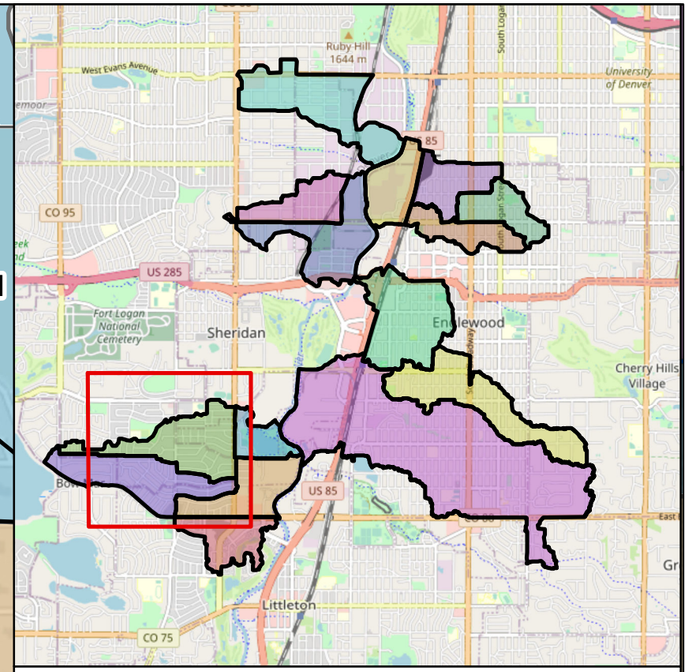
MHFD MILE HIGH FLOOD DISTRICT

Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

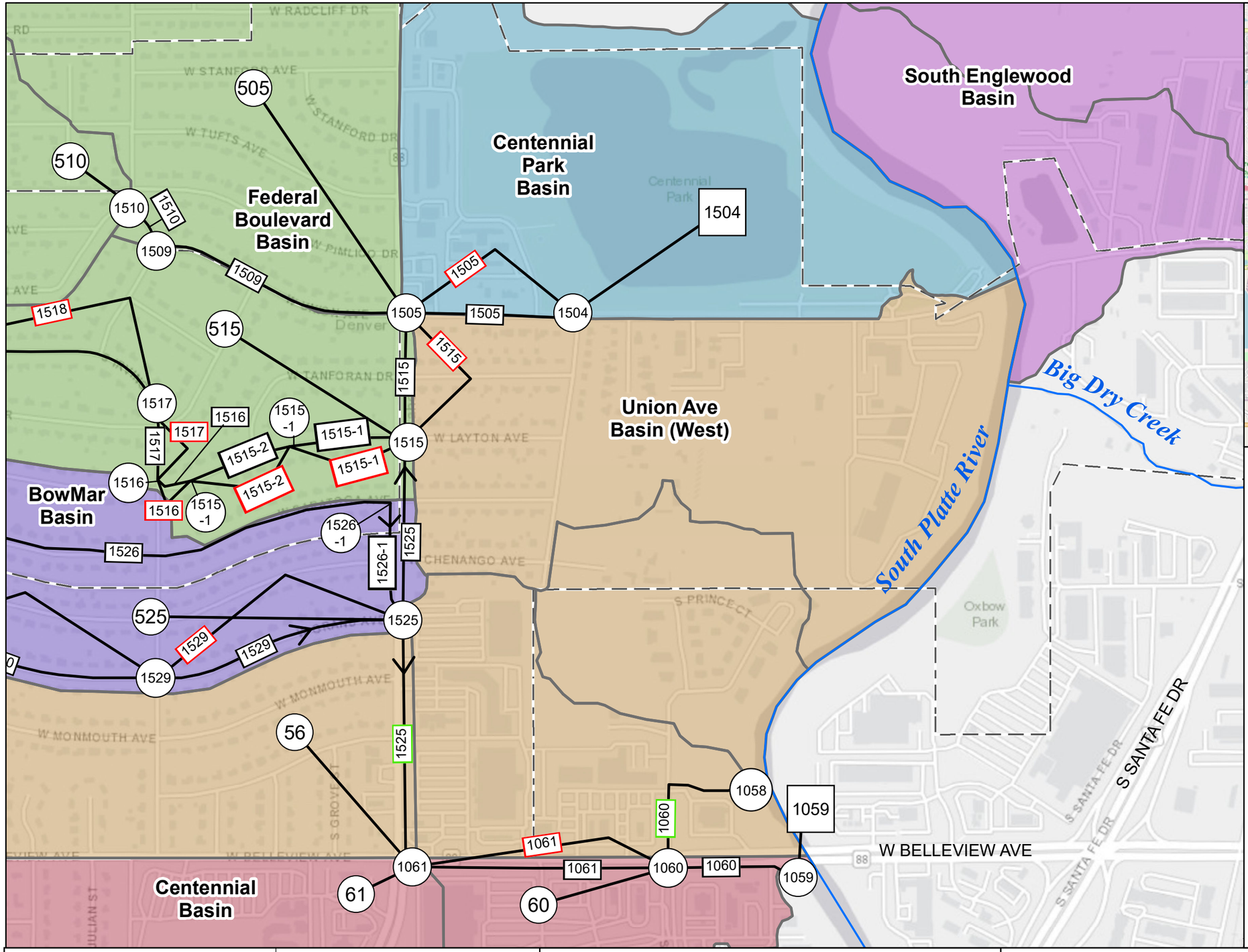
FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 11

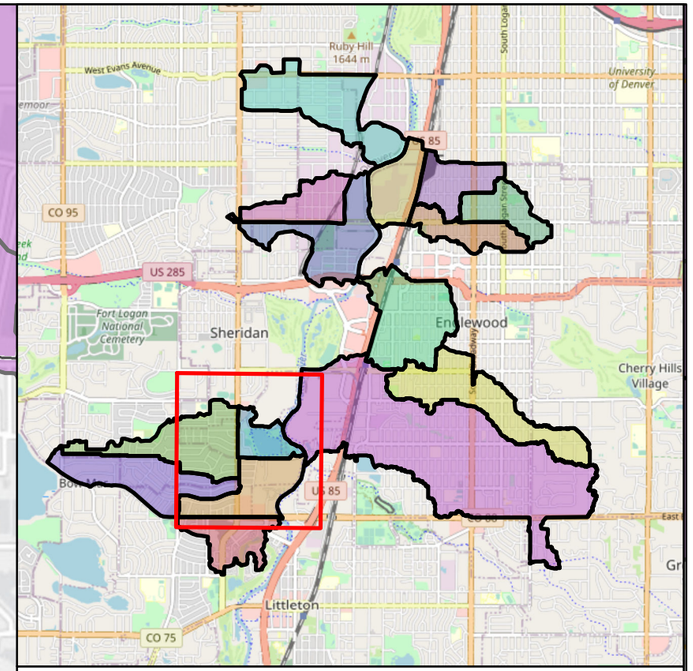
N
0 250 500
Feet
1 inch = 500 feet

MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry





LEGEND

- Regional Detention
- Open Channel
- Basin Boundary
- Ditches/Canals
- City of Englewood Boundary
- Existing Light Rail Line
- JUNCT_ Junctions
- Conveyance
- OTF_ Outfalls
- _OFL Overflow
- POND_ Detention
- _SPLIT Split

Horizontal Datum: NAD 1983 CO State Plane Central (US Feet)
Aeiral Imagery: Esri World Light Gray Canvas Base Map

FIGURE B-5
SWMM ROUTING SCHEMATIC
Sheet 12

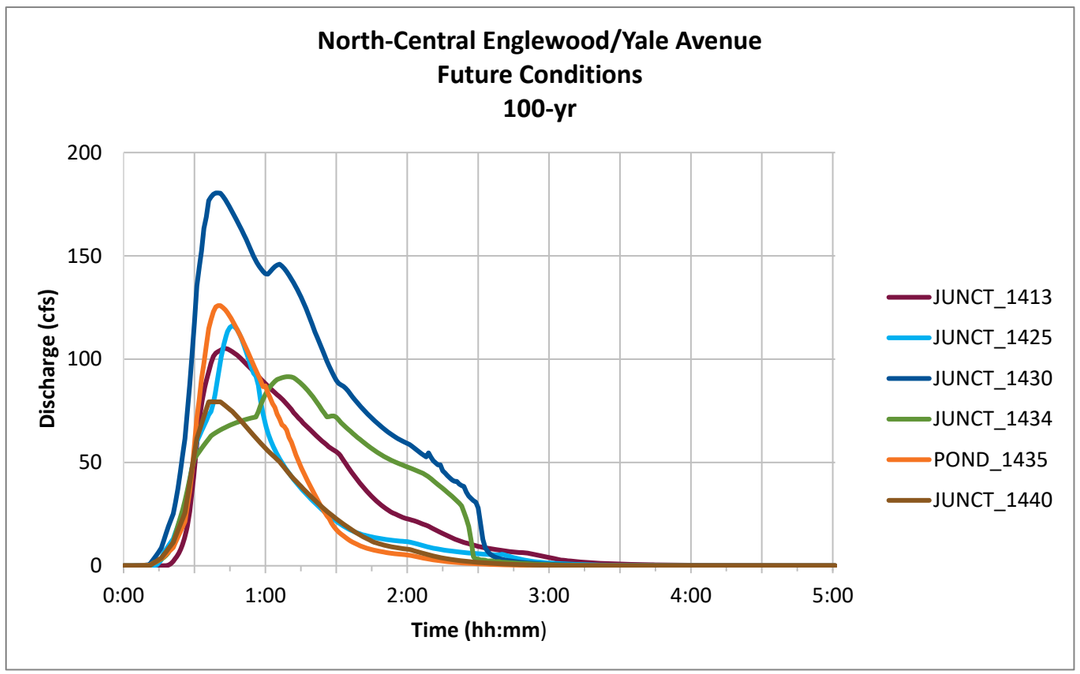
N
0 250 500
Feet
1 inch = 500 feet

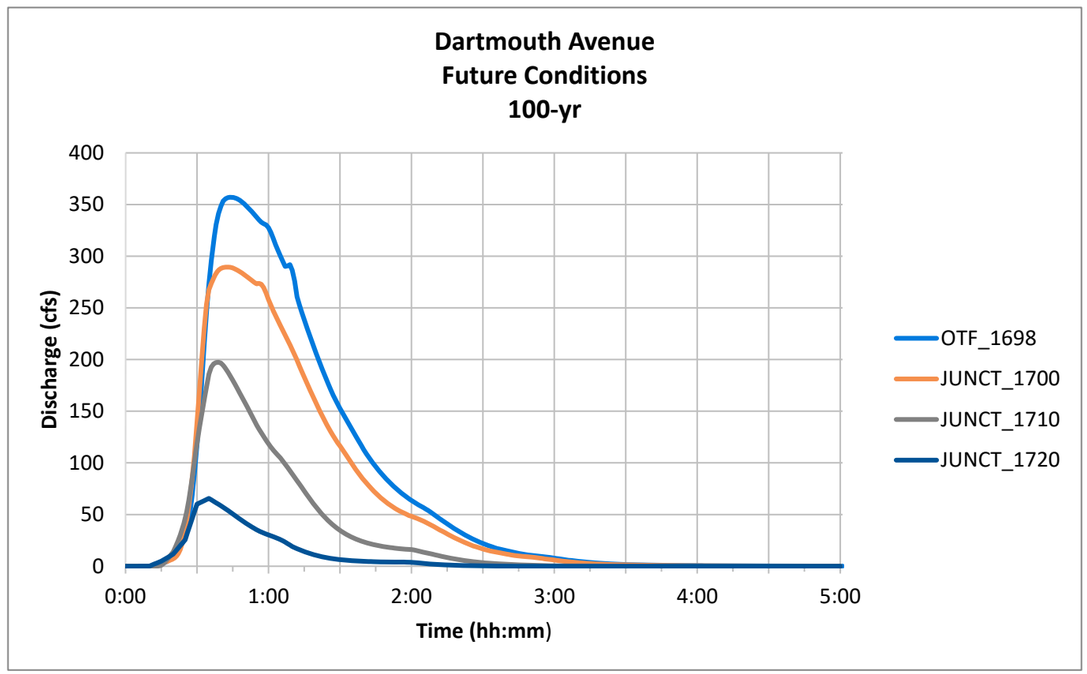
MHFD MILE HIGH FLOOD DISTRICT
Englewood COLORADO

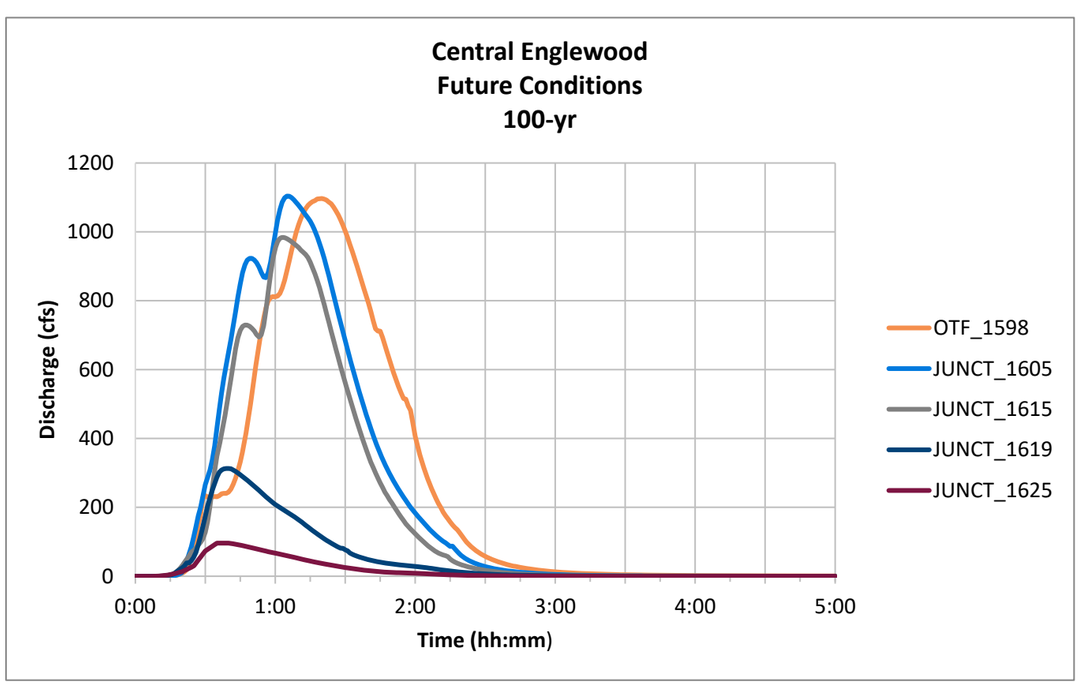
CITY OF ENGLEWOOD
MAJOR DRAINAGEWAY PLAN

Dewberry

Figure B-6 Baseline Hydrographs







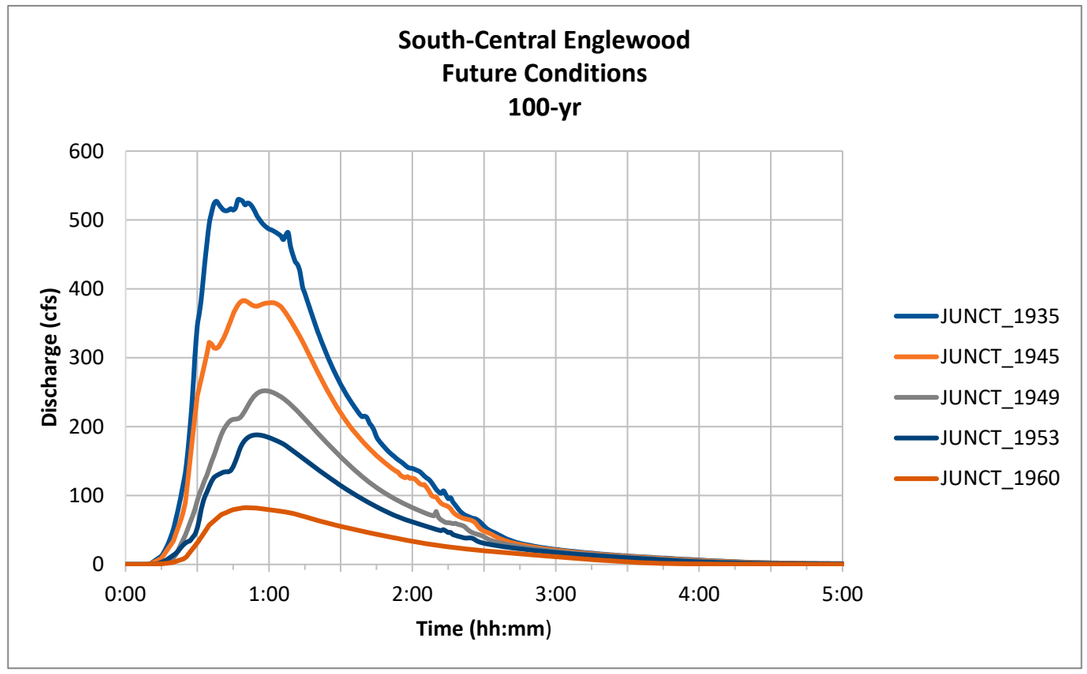
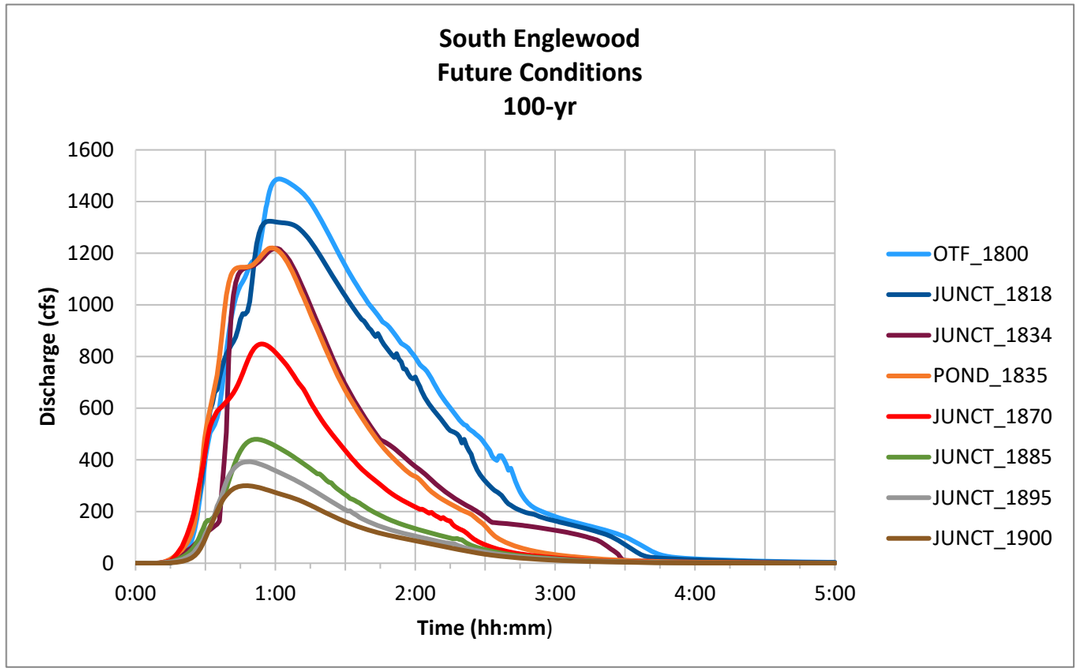
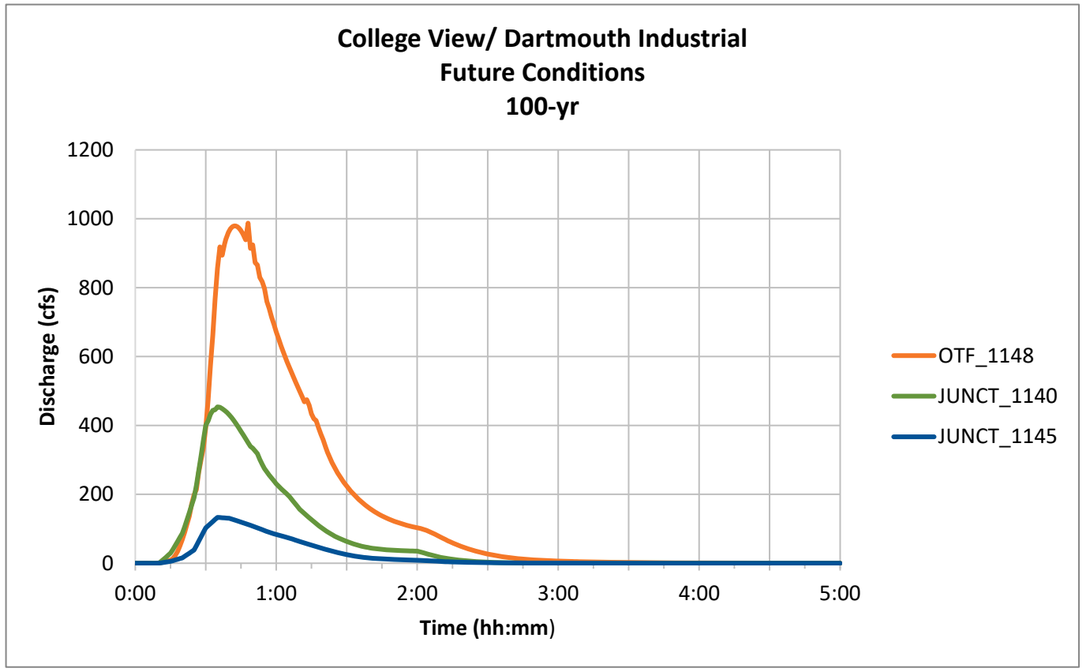
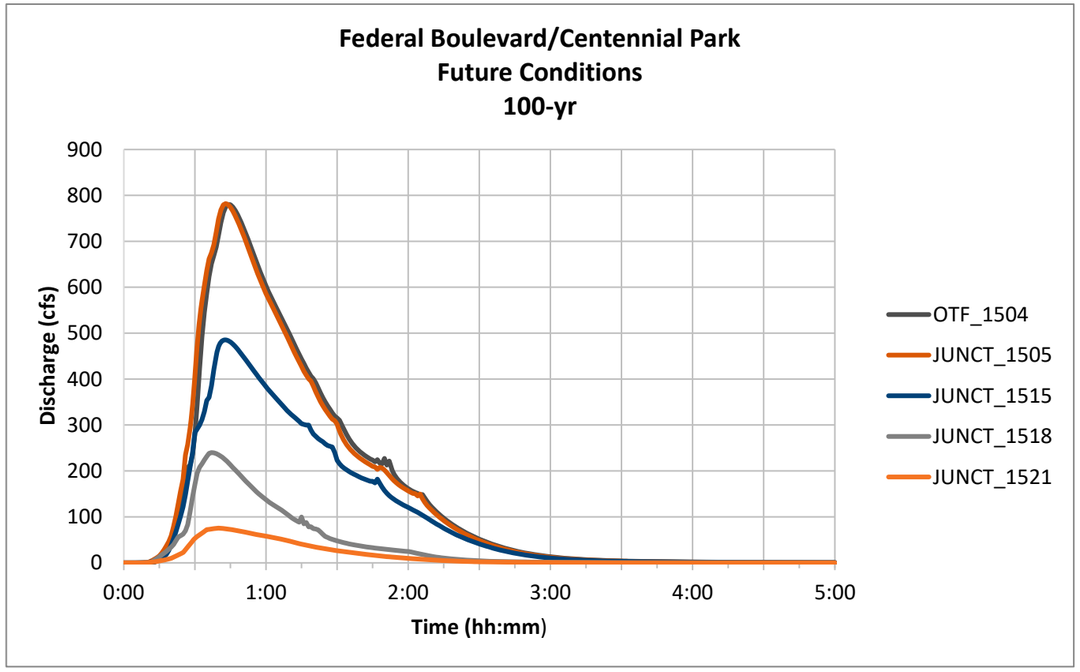


Figure B-6 Baseline Hydrographs







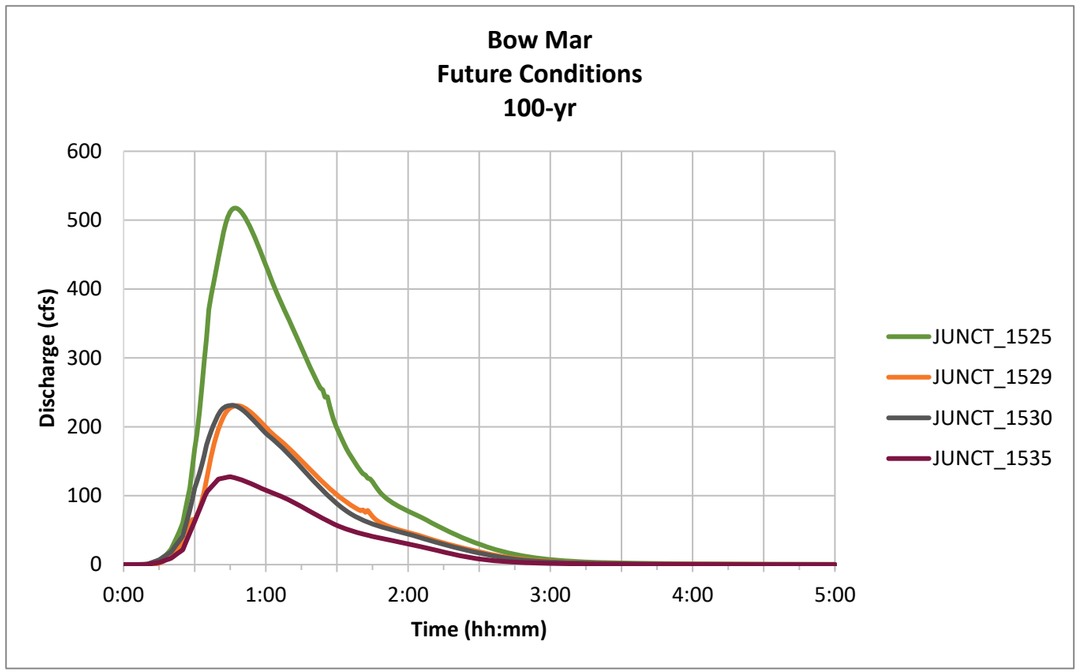


Figure B-6 Baseline Hydrographs

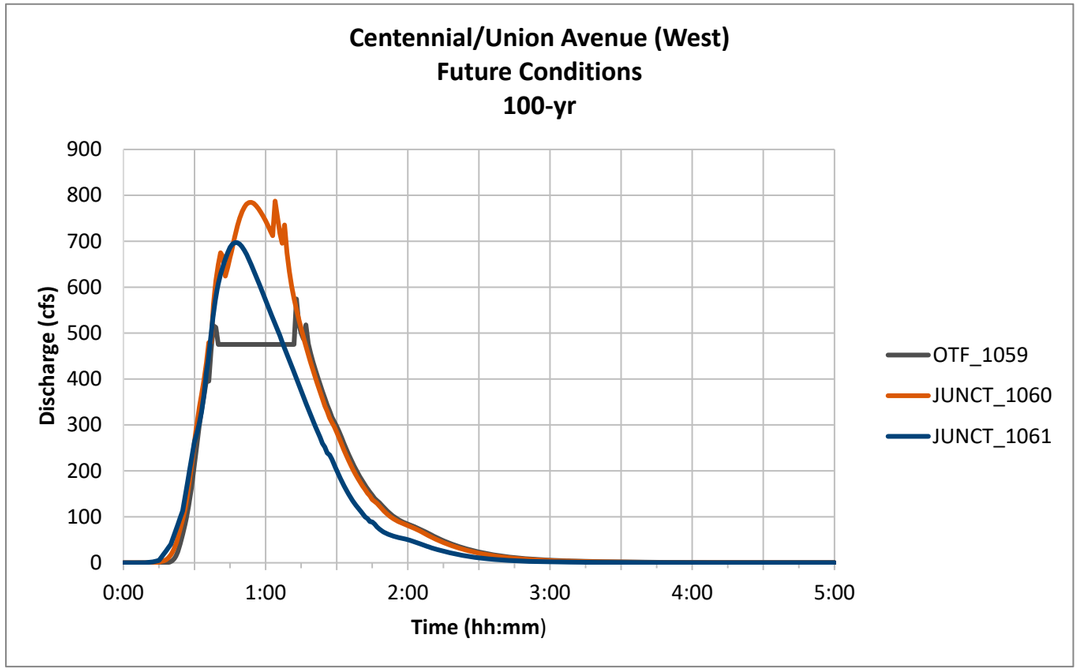
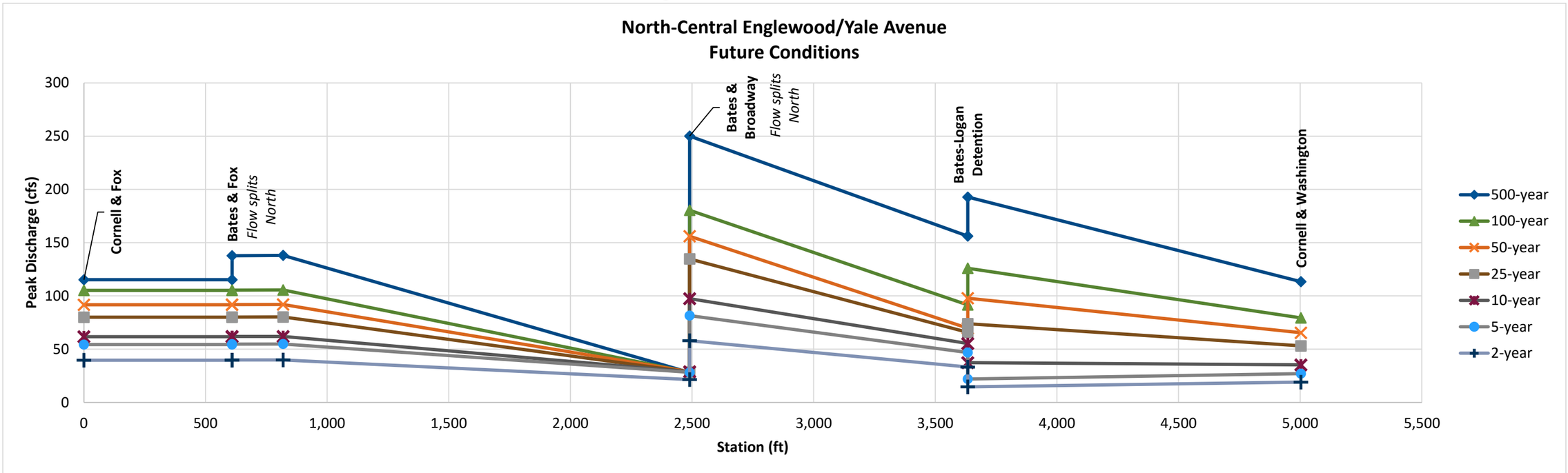


Figure B-7 Baseline Peak Flow Profiles



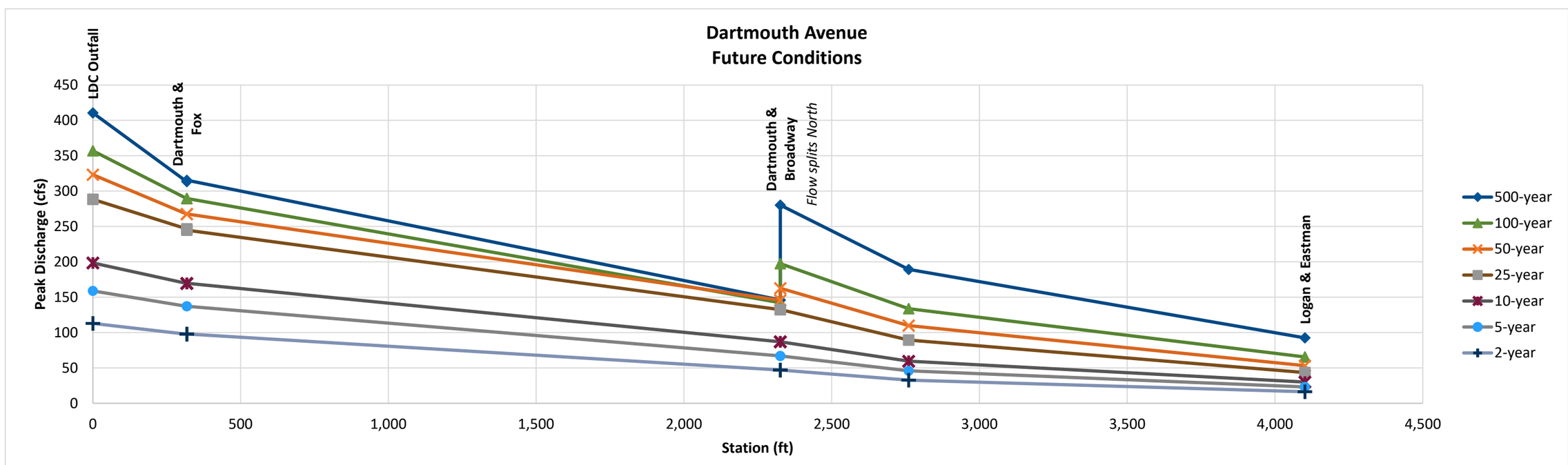


Figure B-7 Baseline Peak Flow Profiles

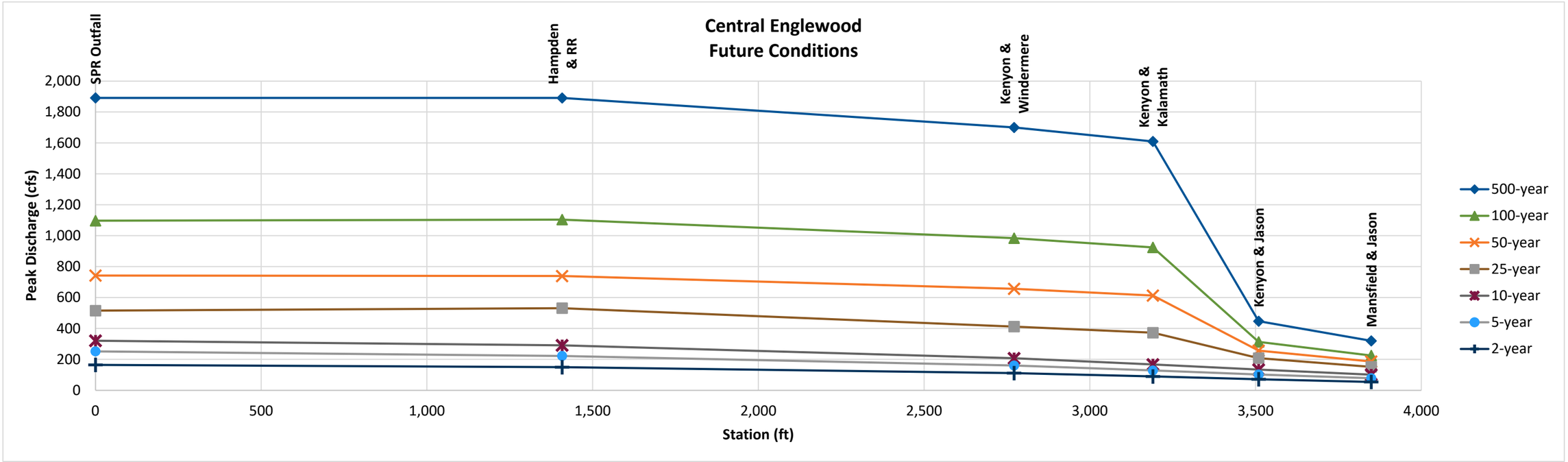
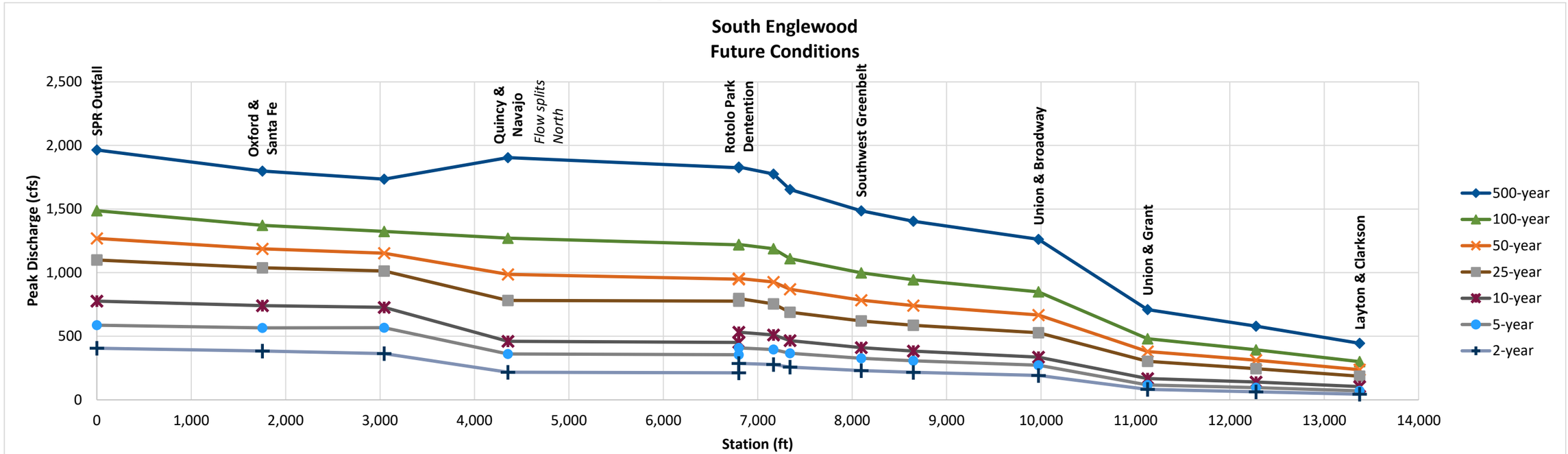


Figure B-7 Baseline Peak Flow Profiles



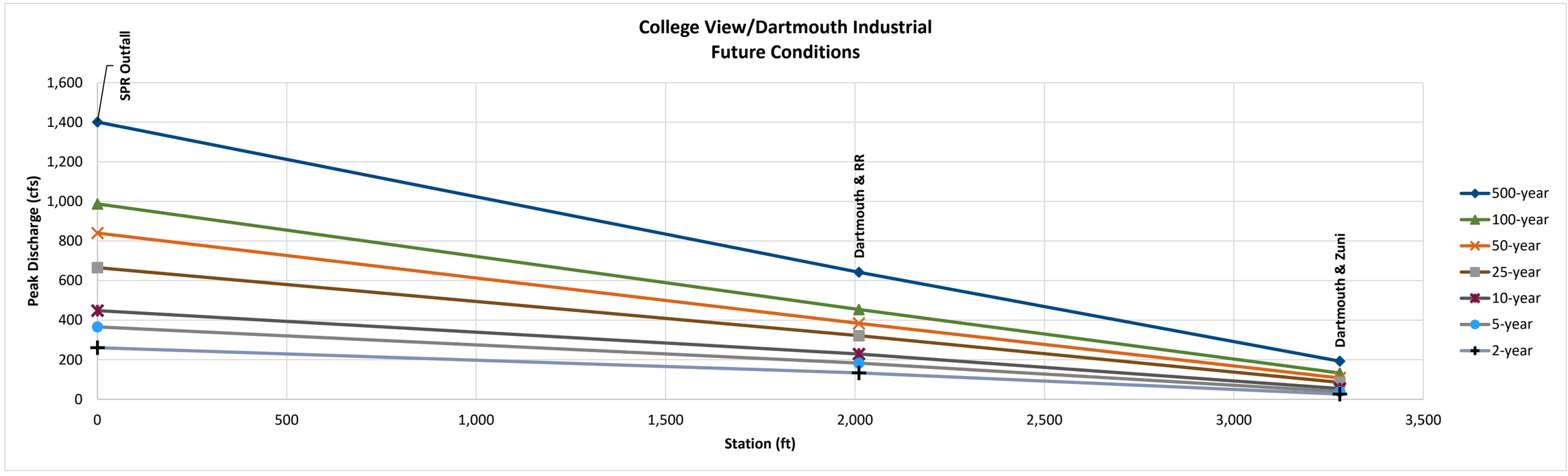
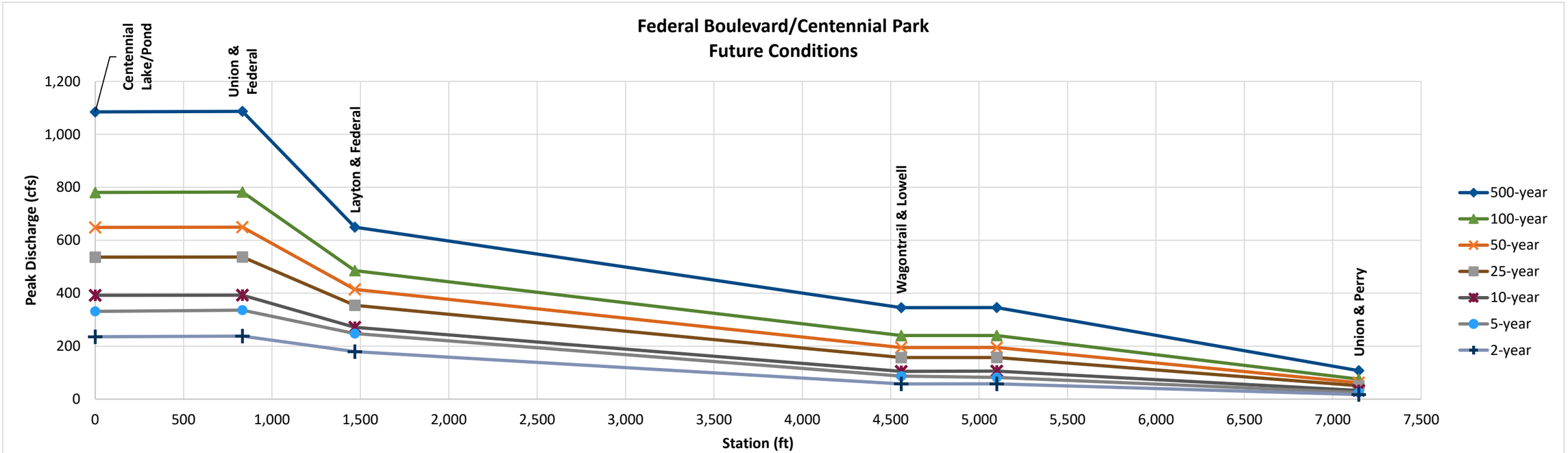


Figure B-7 Baseline Peak Flow Profiles



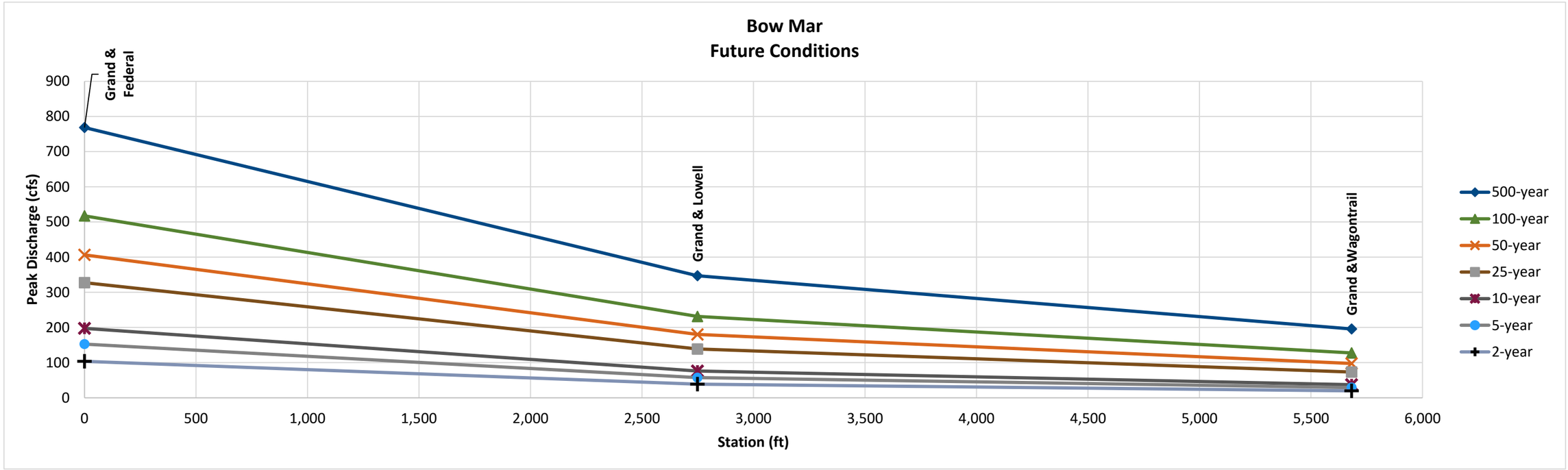


Figure B-7 Baseline Peak Flow Profiles

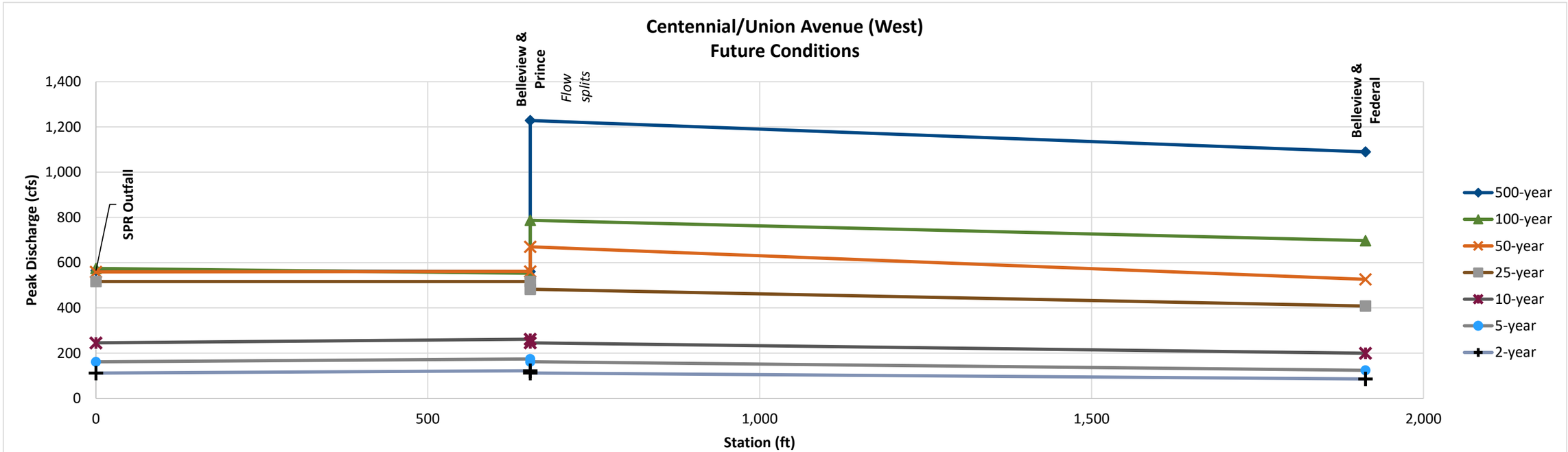


Table B-1 - Unadjusted Rainfall Distributions

Return Period	WQ
1 Hr Depth (in)	0.60
6 Hr Depth (in)	N/A
Time	Depth
0:05	0.01
0:10	0.02
0:15	0.05
0:20	0.10
0:25	0.15
0:30	0.08
0:35	0.04
0:40	0.03
0:45	0.02
0:50	0.02
0:55	0.02
1:00	0.02
1:05	0.02
1:10	0.01
1:15	0.01
1:20	0.01
1:25	0.01
1:30	0.01
1:35	0.01
1:40	0.01
1:45	0.01
1:50	0.01
1:55	0.01
2:00	0.01
Total Depth	**0.69 inch**

Return Period	2-Year
1 Hr Depth (in)	0.82
6 Hr Depth (in)	1.27
Time	Depth
0:05	0.02
0:10	0.03
0:15	0.07
0:20	0.13
0:25	0.20
0:30	0.11
0:35	0.05
0:40	0.04
0:45	0.02
0:50	0.02
0:55	0.02
1:00	0.02
1:05	0.02
1:10	0.02
1:15	0.02
1:20	0.02
1:25	0.02
1:30	0.02
1:35	0.02
1:40	0.02
1:45	0.02
1:50	0.02
1:55	0.01
2:00	0.01
Total Depth	**0.95 inch**

Return Period	5-Year
1 Hr Depth (in)	1.08
6 Hr Depth (in)	1.65
Time	Depth
0:05	0.02
0:10	0.04
0:15	0.09
0:20	0.17
0:25	0.27
0:30	0.14
0:35	0.06
0:40	0.05
0:45	0.04
0:50	0.04
0:55	0.03
1:00	0.03
1:05	0.03
1:10	0.03
1:15	0.03
1:20	0.02
1:25	0.02
1:30	0.02
1:35	0.02
1:40	0.02
1:45	0.02
1:50	0.02
1:55	0.02
2:00	0.01
Total Depth	**1.25 inch**

Return Period	10-Year
1 Hr Depth (in)	1.31
6 Hr Depth (in)	1.99
Time	Depth
0:05	0.03
0:10	0.05
0:15	0.11
0:20	0.20
0:25	0.33
0:30	0.16
0:35	0.07
0:40	0.06
0:45	0.05
0:50	0.04
0:55	0.04
1:00	0.04
1:05	0.04
1:10	0.04
1:15	0.04
1:20	0.03
1:25	0.02
1:30	0.02
1:35	0.02
1:40	0.02
1:45	0.02
1:50	0.02
1:55	0.02
2:00	0.02
Total Depth	**1.52 inch**

Return Period	25-Year
1 Hr Depth (in)	1.66
6 Hr Depth (in)	2.51
Time	Depth
0:05	0.02
0:10	0.06
0:15	0.08
0:20	0.13
0:25	0.25
0:30	0.41
0:35	0.20
0:40	0.13
0:45	0.08
0:50	0.08
0:55	0.05
1:00	0.05
1:05	0.05
1:10	0.04
1:15	0.04
1:20	0.03
1:25	0.03
1:30	0.02
1:35	0.02
1:40	0.02
1:45	0.02
1:50	0.02
1:55	0.02
2:00	0.02
Total Depth	**1.92 inch**

Return Period	50-Year
1 Hr Depth (in)	1.95
6 Hr Depth (in)	2.94
Time	Depth
0:05	0.03
0:10	0.07
0:15	0.10
0:20	0.16
0:25	0.29
0:30	0.49
0:35	0.23
0:40	0.16
0:45	0.10
0:50	0.10
0:55	0.06
1:00	0.06
1:05	0.06
1:10	0.05
1:15	0.05
1:20	0.04
1:25	0.04
1:30	0.03
1:35	0.03
1:40	0.03
1:45	0.03
1:50	0.03
1:55	0.03
2:00	0.03
Total Depth	**2.25 inch**

Return Period	100-Year
1 Hr Depth (in)	2.25
6 Hr Depth (in)	3.41
Time	Depth
0:05	0.02
0:10	0.07
0:15	0.10
0:20	0.18
0:25	0.32
0:30	0.56
0:35	0.32
0:40	0.18
0:45	0.14
0:50	0.11
0:55	0.09
1:00	0.09
1:05	0.09
1:10	0.04
1:15	0.04
1:20	0.03
1:25	0.03
1:30	0.03
1:35	0.03
1:40	0.03
1:45	0.03
1:50	0.03
1:55	0.03
2:00	0.03
Total Depth	**2.60 inch**

Return Period	500-Year
1 Hr Depth (in)	3.04
6 Hr Depth (in)	4.63
Time	Depth
0:05	0.03
0:10	0.09
0:15	0.14
0:20	0.24
0:25	0.43
0:30	0.76
0:35	0.43
0:40	0.24
0:45	0.19
0:50	0.15
0:55	0.12
1:00	0.12
1:05	0.12
1:10	0.06
1:15	0.06
1:20	0.04
1:25	0.04
1:30	0.04
1:35	0.04
1:40	0.04
1:45	0.04
1:50	0.04
1:55	0.04
2:00	0.04
Total Depth	**3.51 inch**

Table B-2 - CUHP 2.0.1 Input

CUHP SUBCATCHMENTS

								Maximum Depression Storage (Watershed inches)		Horton's Infiltration Parameters			DCIA
Subcatchment Name	EPA SWMM Target Node	Area (mi^2)	Length to Centroid (mi)	Length (mi)	Slope (ft/ft)	Existing Percent Imperviousness	Future Percent Imperviousness	Pervious	Impervious	Initial Rate (in/hr)	Decay Coefficient (1/seconds)	Final Rate (in/hr)	Level 0, 1, or 2
40	40	0.10	0.18	0.48	0.010	77.46	77.46	0.35	0.10	3.080	0.0018	0.520	0
41	41	0.14	0.36	0.73	0.008	76.15	76.15	0.35	0.11	3.116	0.0018	0.508	0
50	50	0.13	0.31	0.78	0.006	74.76	75.05	0.35	0.15	3.000	0.0018	0.500	0
54	54	0.05	0.15	0.31	0.011	62.68	63.37	0.35	0.09	3.000	0.0018	0.500	0
55	55	0.06	0.22	0.43	0.010	83.91	83.91	0.35	0.31	3.000	0.0018	0.500	0
56	56	0.09	0.41	0.79	0.013	61.62	61.62	0.35	0.10	3.000	0.0018	0.500	0
60	60	0.10	0.33	0.53	0.004	68.99	68.99	0.35	0.17	3.000	0.0018	0.500	0
61	61	0.14	0.23	0.70	0.016	77.49	77.49	0.35	0.18	3.000	0.0018	0.500	0
100	100	0.15	0.52	0.88	0.030	78.58	78.84	0.35	0.15	3.876	0.0018	0.558	0
105	105	0.18	0.36	0.71	0.015	72.09	72.09	0.35	0.22	3.018	0.0018	0.501	0
110	110	0.10	0.25	0.60	0.037	77.24	77.43	0.35	0.12	3.798	0.0018	0.553	0
115	115	0.11	0.16	0.46	0.008	75.96	75.96	0.35	0.10	3.000	0.0018	0.500	0
140	140	0.16	0.21	0.67	0.028	88.24	88.24	0.35	0.10	3.098	0.0018	0.507	0
145	145	0.09	0.25	0.56	0.045	52.29	52.29	0.35	0.10	3.029	0.0018	0.502	0
150	150	0.06	0.14	0.43	0.017	82.15	82.15	0.35	0.11	3.036	0.0018	0.509	0
155	155	0.10	0.14	0.39	0.014	83.60	83.60	0.35	0.12	3.196	0.0017	0.549	0
160	160	0.07	0.08	0.27	0.015	80.12	80.12	0.35	0.14	3.221	0.0017	0.555	0
165	165	0.05	0.28	0.52	0.022	67.56	67.56	0.35	0.12	3.182	0.0017	0.545	0
170	170	0.06	0.29	0.56	0.045	55.64	55.64	0.35	0.10	3.453	0.0018	0.530	0
175	175	0.06	0.14	0.28	0.014	68.63	68.63	0.35	0.10	3.000	0.0018	0.500	0
410	410	0.10	0.22	0.52	0.007	76.49	77.36	0.35	0.14	3.200	0.0017	0.550	0
415	415	0.06	0.17	0.45	0.005	70.30	72.40	0.35	0.15	3.079	0.0018	0.520	0
420	420	0.09	0.17	0.39	0.015	70.47	71.82	0.35	0.16	3.349	0.0018	0.523	0
425	425	0.04	0.15	0.35	0.007	78.48	79.35	0.35	0.18	3.032	0.0018	0.502	0
430	430	0.07	0.18	0.44	0.025	63.55	65.55	0.35	0.08	3.805	0.0018	0.554	0
435	435	0.05	0.15	0.39	0.021	49.04	50.24	0.35	0.08	3.000	0.0018	0.500	0
440	440	0.06	0.25	0.41	0.017	62.74	64.93	0.35	0.10	3.430	0.0018	0.529	0
500	500	0.15	0.20	0.63	0.029	71.82	71.82	0.35	0.25	3.330	0.0016	0.582	0
505	505	0.14	0.25	0.69	0.026	64.85	64.85	0.35	0.09	3.000	0.0018	0.500	0
510	510	0.05	0.16	0.40	0.036	60.11	60.11	0.35	0.08	3.000	0.0018	0.500	0
515	515	0.09	0.23	0.73	0.020	59.58	59.58	0.35	0.08	3.000	0.0018	0.500	0
520	520	0.09	0.15	0.37	0.030	68.45	68.45	0.35	0.08	3.000	0.0018	0.500	0
521	521	0.06	0.29	0.69	0.035	61.38	61.38	0.35	0.08	3.000	0.0018	0.500	0
525	525	0.08	0.29	0.52	0.018	63.55	63.55	0.35	0.08	3.000	0.0018	0.500	0
526	526	0.12	0.26	0.60	0.031	60.27	60.27	0.35	0.08	3.000	0.0018	0.500	0
530	530	0.08	0.21	0.61	0.036	59.75	59.75	0.35	0.09	3.000	0.0018	0.500	0
535	535	0.14	0.44	0.86	0.028	40.26	40.26	0.35	0.08	3.972	0.0013	0.743	0
600	600	0.05	0.22	0.40	0.023	78.27	78.27	0.35	0.13	3.124	0.0017	0.531	0
605	605	0.07	0.12	0.29	0.015	86.47	86.62	0.35	0.34	3.076	0.0018	0.505	0
610	610	0.08	0.29	0.52	0.020	77.22	78.62	0.35	0.23	3.139	0.0018	0.509	0
615	615	0.06	0.15	0.45	0.004	88.76	88.76	0.35	0.15	3.000	0.0018	0.500	0

Table B-2 - CUHP 2.0.1 Input

CUHP SUBCATCHMENTS

								Maximum Depression Storage (Watershed inches)		Horton's Infiltration Parameters			DCIA
Subcatchment Name	EPA SWMM Target Node	Area (mi^2)	Length to Centroid (mi)	Length (mi)	Slope (ft/ft)	Existing Percent Imperviousness	Future Percent Imperviousness	Pervious	Impervious	Initial Rate (in/hr)	Decay Coefficient (1/seconds)	Final Rate (in/hr)	Level 0, 1, or 2
620	620	0.13	0.34	0.57	0.025	69.75	71.13	0.35	0.15	3.584	0.0018	0.539	0
625	625	0.07	0.23	0.48	0.018	59.13	59.69	0.35	0.09	3.785	0.0018	0.552	0
630	630	0.05	0.18	0.33	0.004	87.81	87.81	0.35	0.16	3.000	0.0018	0.500	0
700	700	0.04	0.25	0.48	0.013	71.18	73.55	0.35	0.10	3.279	0.0017	0.552	0
705	705	0.06	0.26	0.54	0.010	63.26	65.40	0.35	0.09	3.123	0.0018	0.508	0
710	710	0.04	0.12	0.29	0.009	82.79	83.67	0.35	0.25	3.276	0.0018	0.518	0
715	715	0.04	0.20	0.36	0.026	69.62	71.42	0.35	0.09	4.355	0.0018	0.590	0
720	720	0.03	0.08	0.33	0.022	63.78	65.91	0.35	0.09	3.090	0.0018	0.506	0
800	800	0.12	0.25	0.63	0.017	83.50	83.50	0.35	0.16	3.668	0.0014	0.667	0
805	805	0.17	0.26	0.73	0.015	76.42	76.42	0.35	0.10	3.757	0.0014	0.689	0
810	810	0.06	0.31	0.54	0.018	75.74	75.74	0.35	0.10	3.173	0.0017	0.536	0
815	815	0.05	0.13	0.40	0.014	78.51	78.51	0.35	0.16	3.475	0.0015	0.619	0
820	820	0.06	0.24	0.41	0.004	76.06	76.06	0.35	0.14	3.000	0.0018	0.500	0
825	825	0.07	0.22	0.37	0.024	70.83	70.83	0.35	0.11	3.576	0.0018	0.538	0
830	830	0.03	0.20	0.43	0.026	64.34	65.07	0.35	0.09	3.506	0.0018	0.534	0
835	835	0.05	0.07	0.27	0.035	57.75	58.39	0.35	0.08	3.561	0.0018	0.537	0
840	840	0.08	0.17	0.46	0.032	61.13	62.79	0.35	0.09	3.308	0.0018	0.521	0
845	845	0.04	0.23	0.44	0.022	61.81	63.76	0.35	0.09	3.275	0.0018	0.518	0
850	850	0.07	0.32	0.57	0.023	61.83	63.09	0.35	0.09	3.249	0.0018	0.517	0
855	855	0.05	0.29	0.47	0.018	67.85	69.57	0.35	0.15	3.320	0.0018	0.521	0
860	860	0.09	0.28	0.62	0.017	65.29	67.15	0.35	0.11	3.295	0.0018	0.520	0
865	865	0.09	0.13	0.42	0.012	67.76	69.53	0.35	0.14	3.000	0.0018	0.500	0
870	870	0.05	0.15	0.29	0.017	75.49	76.17	0.35	0.17	3.000	0.0018	0.500	0
875	875	0.08	0.20	0.42	0.008	74.10	74.13	0.35	0.18	3.000	0.0018	0.500	0
880	880	0.10	0.33	0.66	0.013	66.02	66.61	0.35	0.11	3.000	0.0018	0.500	0
885	885	0.03	0.09	0.29	0.014	65.15	67.53	0.35	0.09	3.000	0.0018	0.500	0
890	890	0.05	0.22	0.34	0.008	50.45	51.65	0.35	0.08	3.000	0.0018	0.500	0
895	895	0.08	0.22	0.56	0.015	58.78	59.29	0.35	0.08	3.000	0.0018	0.500	0
900	900	0.04	0.16	0.38	0.014	34.72	34.72	0.35	0.08	3.000	0.0018	0.500	0
905	905	0.06	0.32	0.55	0.009	35.09	35.09	0.35	0.08	3.000	0.0018	0.500	0
910	910	0.11	0.26	0.53	0.008	37.41	37.41	0.35	0.08	3.000	0.0018	0.500	0
915	915	0.04	0.31	0.48	0.018	40.94	40.94	0.35	0.08	3.000	0.0018	0.500	0
920	920	0.07	0.30	0.57	0.018	44.38	44.38	0.35	0.08	3.000	0.0018	0.500	0
925	925	0.08	0.33	0.61	0.019	78.57	78.98	0.35	0.10	3.224	0.0018	0.515	0
930	930	0.09	0.21	0.63	0.025	66.96	67.26	0.35	0.09	3.609	0.0018	0.541	0
935	935	0.12	0.19	0.55	0.027	58.95	59.92	0.35	0.09	3.327	0.0018	0.522	0
940	940	0.06	0.17	0.39	0.016	68.36	70.06	0.35	0.15	3.411	0.0018	0.527	0
945	945	0.07	0.23	0.48	0.020	66.17	68.24	0.35	0.11	3.656	0.0018	0.544	0
950	950	0.06	0.19	0.41	0.007	68.66	70.25	0.35	0.15	3.000	0.0018	0.500	0
955	955	0.10	0.24	0.56	0.006	62.60	64.86	0.35	0.08	3.000	0.0018	0.500	0
960	960	0.11	0.36	0.70	0.006	33.91	33.91	0.35	0.08	3.000	0.0018	0.500	0

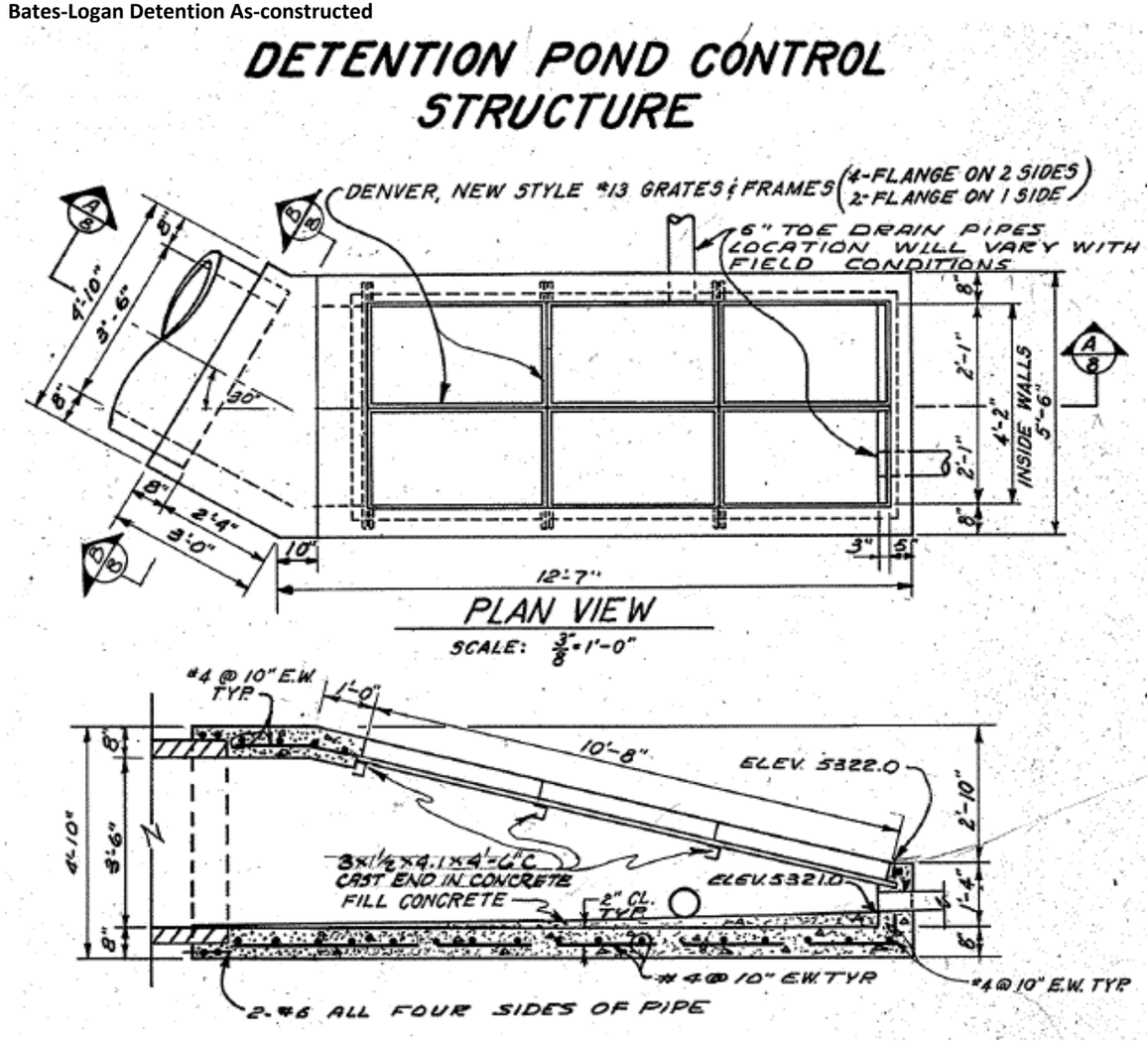
Table B-3a - Existing Detention Basin Information
Bates-Logan Detention - Design Point 802

Bates-Logan Detention - Design Point 802

Stage	Elevation (NAVD)	Surface Area[1]		Storage (ac-ft)	Discharge[2] (cfs)
		(ft2)	(acre)		
0	5324.7	1	0.00	0.00	0
0.9	5325.6	851	0.02	0.01	11.00
1.4	5326.1	16,910	0.39	0.11	26.00
2.3	5327	42,835	0.98	0.73	37.00
3.7	5328.4	75,291	1.73	2.63	46.00
4.3	5329	89,037	2.04	3.76	105
4.7	5329.4	96,471	2.21	4.62	183
8.3	**5333**	**200,000**	**4.59**	**16.87**	**2,382**

Bates-Logan Detention Outlet Structure May 2021

Bates-Logan Detention As-constructed



Source: North Central Englewood Basin, Phase 3 as-constructed (November 15, 1979). Used for box and grate dimensions. Disregard elevations and outlet pipe information. Outlet pipe data from 2021 site survey.

[1]Stage-storage information was developed using site survey collected by Wilson & Company in May 2021.

[2]Stage-discharge information was developed using site visit and as-built information from the North Central Englewood Basin, Phase 3 (November 15, 1979) drawings input into MHFD's Detention Basin Design Workbook, Version 4.04.

[3]Cells highlighted in orange are above the surveyed top of embankment but were included in the Baseline Hydrology SWMM model for continuity of the larger flow events.
*Discharge curve based on 2.5' RCP

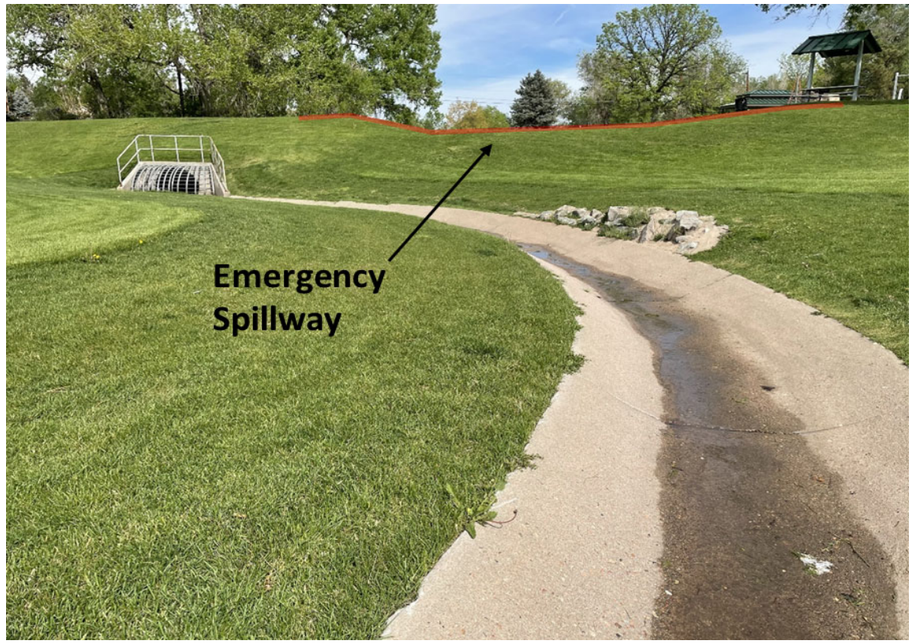
Table B-3b - Existing Detention Basin Information
Rotolo Park Detention - Design Point 800

Rotolo Park Detention - Design Point 800

Stage	Elevation (NAVD)	Surface Area[1]		Storage (ac-ft)	Discharge[1] (cfs)
		(ft2)	(acre)		
0	5341.92	1	0.00	0.00	0
0.58	5342.50	142	0.00	0.00	3
1.08	5343.58	235	0.01	0.00	8
2.08	5345.66	982	0.02	0.02	26
3.08	5348.74	11,350	0.26	0.16	53
4.08	5352.82	25,838	0.59	0.59	87
5.08	5357.90	38,464	0.88	1.32	106
6.08	5363.98	50,081	1.15	2.35	122
7.08	5371.06	56,553	1.30	3.58	136
7.58	5378.64	58,704	1.35	4.25	143
8.58	5387.22	62,958	1.45	5.64	155
8.78	5396.00	63,829	1.47	5.93	158
10.28	5406.28	75,855	1.74	8.34	476
12.5	**5418.78**	**101,950**	**2.34**	**12.87**	**1,529**

Rotolo Park Detention Detention Outlet Structure May 2021

Rotolo Park Detention Detention Outlet Structure and Emergency Spillway May 2021



[1]Stage-storage-discharge information was developed using site survey collected by Wilson & Company in May 2021 input into MHFD's Detention Basin Design Workbook, Version 4.04.
[2]Cells highlighted in orange are above the surveyed top of embankment but were included in the Baseline Hydrology SWMM model for continuity of the larger flow events.
*Discharge curve based on 4' RCP

Table B-4 Baseline Peak Flows

Design Point	Drainage Area (acres)	Future Conditions Peak Flow (cfs)						
		Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}	Q_{500}
56	58	22	32	42	66	81	100	142
60	63	27	39	52	80	99	119	170
61	91	66	97	125	182	222	267	375
140	99	109	146	179	241	288	346	475
145	56	27	40	55	86	108	133	193
150	40	37	50	62	86	104	125	174
155	65	69	93	115	160	194	232	320
160	44	47	67	85	123	149	172	241
165	31	16	22	28	44	54	66	93
170	42	19	27	36	58	72	89	128
410	65	43	61	78	113	137	165	232
415	35	19	27	35	53	65	79	111
420	56	42	60	77	114	139	170	240
425	27	17	25	32	46	57	68	96
430	45	32	44	58	85	105	128	182
435	32	15	22	30	48	60	75	108
440	35	19	27	35	53	65	79	113
505	90	61	87	113	168	207	251	356
510	32	20	29	39	57	71	87	124
515	60	30	43	57	89	110	134	191
520	56	50	70	89	127	156	191	267
521	37	17	25	33	51	62	76	108
525	54	30	42	55	84	102	125	177
526	75	46	66	88	132	163	199	284
530	50	29	42	56	84	105	128	183
535	93	20	29	37	73	98	128	196
600	32	24	33	42	59	72	87	122
605	45	32	53	69	103	128	155	217
610	52	30	45	59	88	108	131	185
615	38	28	40	49	69	83	98	137
620	84	54	78	101	151	186	225	320
625	43	22	31	41	63	79	96	138
630	29	20	29	36	51	61	72	101
700	25	13	18	23	34	42	50	71
705	36	17	23	30	46	57	69	98
710	24	16	24	31	46	56	68	96
715	27	19	26	33	48	59	72	101
720	22	16	23	30	43	53	66	92
800	77	62	88	109	155	188	226	316
815	32	25	35	44	63	77	93	132
820	39	21	30	38	57	69	83	117
825	43	33	46	59	85	104	127	179
830	17	8	12	16	24	29	35	50
835	32	25	34	46	73	92	108	156
840	53	38	54	71	105	129	159	226

Design Point	Drainage Area (acres)	Future Conditions Peak Flow (cfs)						
		Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}	Q_{500}
845	28	15	21	27	41	50	61	87
850	42	20	29	37	58	71	87	123
855	33	17	24	31	48	59	71	101
860	56	31	43	55	85	104	127	179
865	58	44	63	81	118	145	177	250
870	33	26	37	47	68	83	101	142
875	53	33	49	64	94	115	139	197
880	65	33	47	62	94	116	140	199
885	20	15	21	27	39	48	58	82
890	32	12	18	24	39	49	60	87
895	48	24	34	45	70	86	106	151
900	25	5	9	13	23	30	38	56
905	39	6	10	15	27	35	44	66
910	73	17	27	40	71	90	115	170
915	28	6	9	13	24	30	38	56
920	43	12	18	26	43	55	69	100
925	49	32	44	55	79	96	115	160
930	54	36	50	65	96	118	143	202
935	76	50	72	95	144	179	220	314
940	41	28	40	52	77	95	116	164
945	48	31	43	55	82	102	123	175
950	40	22	32	41	62	76	92	131
955	62	32	46	60	91	111	135	192
960	73	11	18	27	50	64	82	123
JUNCT_1058	213	0	0	0	4	169	308	751
JUNCT_1059	213	112	162	245	517	559	574	565
JUNCT_1060	213	112	162	246	482	670	787	1228
JUNCT_1061	150	86	124	200	408	526	697	1090
JUNCT_1139	155	136	178	226	319	383	452	640
JUNCT_1140	155	134	183	229	322	384	454	642
JUNCT_1145	56	27	40	55	86	108	133	193
JUNCT_1148	377	261	366	449	665	840	988	1401
JUNCT_1148-1	155	135	184	217	314	380	449	636
JUNCT_1155	182	112	157	200	305	375	457	656
JUNCT_1160	44	47	67	85	123	149	172	241
JUNCT_1170	42	19	27	36	58	72	89	128
JUNCT_1404	65	0	22	46	65	100	116	192
JUNCT_1405	65	8	17	17	17	17	17	16
JUNCT_1406	65	36	36	36	36	36	36	35
JUNCT_1407	65	36	36	37	37	37	37	35
JUNCT_1408	65	36	36	37	37	37	37	36
JUNCT_1409	65	43	53	53	53	52	53	52
JUNCT_1410	65	43	61	78	113	137	165	241
JUNCT_1413	175	40	54	62	80	92	105	115
JUNCT_1414	175	40	55	62	80	92	105	138

Table B-4 Baseline Peak Flows

Design Point	Drainage Area (acres)	Future Conditions Peak Flow (cfs)						
		Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}	Q_{500}
JUNCT_1415	175	40	55	62	80	92	106	138
JUNCT_1415-1	139	21	28	28	28	28	28	28
JUNCT_1420	56	80	117	152	242	297	379	606
JUNCT_1422	139	21	28	28	28	28	28	28
JUNCT_1423	139	21	28	28	28	28	28	28
JUNCT_1424	139	21	28	28	28	29	28	28
JUNCT_1424-1	139	21	28	29	29	29	28	28
JUNCT_1425	139	22	29	36	51	76	116	226
JUNCT_1429	-	52	74	92	128	150	175	245
JUNCT_1430	113	58	81	97	135	156	180	250
JUNCT_1432	68	33	47	55	65	70	91	156
JUNCT_1432-1	68	33	47	55	65	70	91	156
JUNCT_1432-2	68	33	47	55	65	70	91	156
JUNCT_1432-3	68	33	47	55	66	70	91	156
JUNCT_1433	68	33	47	55	66	70	92	156
JUNCT_1434	68	33	47	55	66	70	92	156
JUNCT_1434-1	35	19	26	27	27	27	27	27
JUNCT_1435	68	15	22	37	74	98	126	193
JUNCT_1436	35	19	27	27	27	27	27	27
JUNCT_1437	35	19	27	28	28	28	27	27
JUNCT_1438	35	19	27	35	53	65	79	113
JUNCT_1439	35	19	27	35	54	65	79	114
JUNCT_1440	35	19	27	35	53	65	79	113
JUNCT_1504	546	236	331	392	536	648	780	1085
JUNCT_1505	546	238	336	393	537	649	782	1087
JUNCT_1509	32	20	29	38	57	71	87	123
JUNCT_1510	32	20	29	39	57	71	87	124
JUNCT_1515	424	179	248	271	354	414	485	650
JUNCT_1515-1	93	57	89	101	155	193	237	342
JUNCT_1515-2	93	57	86	101	155	193	237	342
JUNCT_1516	93	57	86	101	155	193	237	343
JUNCT_1517	93	57	87	101	155	193	238	343
JUNCT_1518	93	57	87	105	157	195	240	345
JUNCT_1519	93	58	80	105	157	195	240	346
JUNCT_1520	93	58	82	106	157	195	240	346
JUNCT_1521	37	17	25	33	51	62	76	108
JUNCT_1525	272	104	153	198	327	406	517	769
JUNCT_1526	75	46	66	88	132	163	199	284
JUNCT_1526-1	75	41	60	81	126	156	192	274
JUNCT_1529	143	39	57	76	138	180	231	346
JUNCT_1530	143	39	57	76	139	180	231	347
JUNCT_1535	93	20	29	37	73	98	128	196
JUNCT_1598	323	164	252	321	515	742	1097	1891
JUNCT_1599	323	164	253	321	514	742	1096	1891
JUNCT_1600	323	165	245	322	569	769	1147	1958

Design Point	Drainage Area (acres)	Future Conditions Peak Flow (cfs)						
		Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}	Q_{500}
JUNCT_1605	291	150	222	291	531	739	1104	1891
JUNCT_1610	52	30	45	59	88	108	131	185
JUNCT_1615	195	111	160	207	412	656	984	1700
JUNCT_1618	157	90	128	167	372	613	924	1609
JUNCT_1619	127	71	102	134	208	257	313	447
JUNCT_1620	84	54	78	101	151	186	225	320
JUNCT_1624	43	21	29	39	63	78	96	138
JUNCT_1625	43	22	31	41	63	79	96	138
JUNCT_1630	29	20	29	48	264	465	725	1326
JUNCT_1631	-	0	0	25	244	436	685	1263
JUNCT_1699	272	98	137	169	247	268	289	313
JUNCT_1700	272	98	137	170	245	268	290	315
JUNCT_1705	308	113	159	198	288	323	357	411
JUNCT_1707	73	47	66	86	132	141	140	140
JUNCT_1708	73	47	67	87	132	142	141	142
JUNCT_1709	73	47	67	87	132	146	142	146
JUNCT_1710	73	47	67	87	132	163	197	280
JUNCT_1715	49	33	46	60	89	110	134	189
JUNCT_1718	22	16	22	29	43	53	65	91
JUNCT_1719	22	16	22	29	43	53	65	92
JUNCT_1720	22	16	23	30	43	53	66	92
JUNCT_1800	1415	406	587	776	1100	1269	1487	1965
JUNCT_1815	1337	383	565	740	1038	1187	1372	1798
JUNCT_1817	1305	360	557	725	1010	1151	1323	1734
JUNCT_1818	1305	363	567	726	1013	1153	1324	1735
JUNCT_1819	397	0	0	0	343	554	857	1531
JUNCT_1820	397	168	236	367	769	981	1284	1957
JUNCT_1823	908	248	370	398	454	502	536	639
JUNCT_1824	805	216	361	460	781	986	1271	1903
JUNCT_1825	805	216	360	460	781	986	1271	1904
JUNCT_1830	17	8	12	16	24	29	35	50
JUNCT_1831	762	211	353	450	772	947	1217	1823
JUNCT_1831-1	762	210	352	439	749	945	1214	1817
JUNCT_1832	762	211	353	451	774	948	1218	1824
JUNCT_1833	762	211	354	451	775	948	1218	1824
JUNCT_1834	762	212	354	451	776	948	1219	1825
JUNCT_1840	730	277	395	510	754	926	1188	1775
JUNCT_1845	677	257	365	465	689	869	1110	1654
JUNCT_1849	730	277	395	510	754	926	1188	1775
JUNCT_1854	607	229	326	410	620	783	998	1486
JUNCT_1855	607	229	326	410	620	783	998	1486
JUNCT_1857	574	216	306	382	586	740	943	1404
JUNCT_1858	574	216	272	273	270	270	271	270
JUNCT_1859	574	216	277	277	274	275	276	274
JUNCT_1860	574	216	307	383	586	741	943	1404

Table B-4 Baseline Peak Flows

Design Point	Drainage Area (acres)	Future Conditions Peak Flow (cfs)						
		Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}	Q_{500}
JUNCT_1867	518	191	270	332	526	666	847	1260
JUNCT_1868	518	164	165	159	162	163	155	158
JUNCT_1868-1	518	39	119	180	375	514	696	1109
JUNCT_1869	518	161	162	158	161	160	158	159
JUNCT_1869-1	518	39	119	181	375	515	696	1110
JUNCT_1870	518	191	272	335	527	667	849	1262
JUNCT_1875	53	33	49	64	94	115	139	197
JUNCT_1879	65	33	47	61	94	115	140	198
JUNCT_1880	65	33	47	62	94	116	140	199
JUNCT_1882	374	112	153	165	200	217	241	300
JUNCT_1883	374	112	153	165	193	193	193	194
JUNCT_1883-1	309	0	12	61	196	273	373	602
JUNCT_1884	309	82	111	110	111	111	110	112
JUNCT_1884-1	309	0	12	62	197	274	375	604
JUNCT_1885	309	82	117	167	303	380	480	709
JUNCT_1890	289	73	92	98	111	121	132	159
JUNCT_1895	257	63	96	139	245	311	393	579
JUNCT_1897	209	17	17	17	17	17	17	17
JUNCT_1898	209	44	71	103	185	237	300	444
JUNCT_1899	209	44	72	103	185	237	300	444
JUNCT_1900	209	44	71	104	185	237	300	444
JUNCT_1905	112	23	37	54	97	125	158	235
JUNCT_1910	73	17	27	40	71	90	115	170
JUNCT_1920	43	12	18	26	43	55	69	100
JUNCT_1925	103	58	82	106	164	202	245	349
JUNCT_1930	54	36	50	65	96	118	143	202
JUNCT_1934	341	140	197	248	364	438	528	784
JUNCT_1935	341	141	198	249	365	440	529	786
JUNCT_1944	265	102	138	169	242	306	383	575
JUNCT_1944	265	102	138	169	242	306	383	575
JUNCT_1945	265	102	138	169	243	307	383	575
JUNCT_1945-1	176	53	82	84	85	83	85	84
JUNCT_1946	176	53	81	89	153	196	252	375
JUNCT_1947	176	53	76	89	96	97	96	95
JUNCT_1948	176	53	76	89	154	197	252	375
JUNCT_1949	176	53	77	89	154	197	252	375
JUNCT_1949-1	176	53	76	89	154	197	252	375
JUNCT_1950	176	53	74	89	154	197	252	375
JUNCT_1951	136	33	48	47	47	47	47	47
JUNCT_1952	136	33	46	46	46	47	47	47
JUNCT_1953	136	33	46	65	116	148	188	278
JUNCT_1954	136	34	45	65	116	148	188	278
JUNCT_1955	136	32	46	65	116	148	188	278
JUNCT_1956	73	10	17	26	49	64	82	122
JUNCT_1957	73	10	17	26	50	64	82	123
JUNCT_1958	73	10	17	26	50	64	82	123
JUNCT_1959	73	11	18	27	50	64	82	123
JUNCT_1960	73	11	18	27	50	64	82	123
OTF_1059	213	112	162	245	517	559	574	565
OTF_1148	377	261	366	449	665	840	988	1401
OTF_1406	65	36	36	36	36	36	36	35
OTF_1420	56	80	117	152	242	297	379	606
OTF_1504	546	236	331	392	536	648	780	1085
OTF_1598	323	164	252	321	515	742	1097	1891
OTF_1698	308	113	159	198	288	323	357	411
OTF_1800	1415	406	587	776	1100	1269	1487	1965
POND_1435	68	15	22	37	74	98	126	193
POND_1835	762	286	408	531	797	954	1221	1830

Table B-5 Baseline Runoff Volumes

Design Point	Drainage Area (acres)	Future Conditions Runoff Volume (acre-feet)						
		V_2	V_5	V_{10}	V_{25}	V_{50}	V_{100}	V_{500}
56	58	2.3	3.3	4.3	6.2	7.7	9.3	13.4
60	63	2.6	3.7	4.9	7.0	8.6	10.4	14.9
61	91	4.1	6.0	7.7	10.7	13.0	15.6	22.2
140	99	5.6	7.8	9.7	12.8	15.4	18.1	25.1
145	56	1.8	2.7	3.6	5.4	6.8	8.4	12.2
150	40	2.1	2.9	3.7	4.9	6.0	7.0	9.9
155	65	3.4	4.7	6.0	8.0	9.7	11.5	16.1
160	44	2.1	3.0	3.8	5.2	6.2	7.4	10.5
165	31	1.3	1.9	2.4	3.4	4.2	5.1	7.3
170	42	1.4	2.1	2.8	4.1	5.1	6.3	9.2
410	65	3.1	4.3	5.5	7.6	9.2	11.0	15.7
415	35	1.5	2.2	2.9	4.0	4.9	5.9	8.4
420	56	2.4	3.4	4.4	6.2	7.6	9.1	13.0
425	27	1.2	1.8	2.3	3.2	3.8	4.6	6.5
430	45	1.9	2.7	3.4	4.9	6.0	7.3	10.4
435	32	1.0	1.5	2.0	3.1	3.9	4.8	7.1
440	35	1.4	2.1	2.7	3.8	4.7	5.7	8.2
505	90	3.7	5.3	7.0	9.9	12.2	14.7	21.0
510	32	1.2	1.7	2.3	3.3	4.1	5.0	7.2
515	60	2.3	3.3	4.4	6.4	7.8	9.5	13.7
520	56	2.5	3.5	4.5	6.3	7.6	9.2	13.1
521	37	1.5	2.1	2.7	3.9	4.8	5.9	8.5
525	54	2.2	3.2	4.2	5.9	7.3	8.8	12.6
526	75	2.9	4.2	5.5	7.9	9.8	11.9	17.1
530	50	1.9	2.8	3.6	5.2	6.5	7.9	11.4
535	93	2.1	3.0	3.9	6.6	8.6	11.3	17.3
600	32	1.5	2.2	2.8	3.8	4.6	5.5	7.7
605	45	1.8	2.7	3.6	5.0	6.1	7.3	10.5
610	52	2.2	3.3	4.3	5.9	7.2	8.7	12.4
615	38	2.1	2.9	3.7	4.9	5.9	7.0	9.7
620	84	3.6	5.1	6.6	9.3	11.4	13.7	19.7
625	43	1.6	2.3	3.0	4.4	5.5	6.8	9.8
630	29	1.6	2.2	2.8	3.7	4.5	5.3	7.4
700	25	1.2	1.6	2.1	2.9	3.5	4.2	5.9
705	36	1.5	2.1	2.8	3.9	4.8	5.8	8.3
710	24	1.0	1.5	2.0	2.7	3.3	4.0	5.6
715	27	1.2	1.7	2.2	3.1	3.7	4.5	6.4
720	22	0.9	1.3	1.7	2.3	2.9	3.5	4.9
800	77	3.9	5.5	6.9	9.4	11.3	13.5	18.9
815	32	1.5	2.1	2.7	3.7	4.5	5.4	7.7
820	39	1.8	2.6	3.3	4.6	5.6	6.7	9.5
825	43	1.9	2.7	3.5	4.9	6.0	7.2	10.3
830	17	0.7	1.0	1.3	1.9	2.3	2.8	4.0
835	32	1.1	1.6	2.1	3.1	3.8	4.7	6.8
840	53	2.1	3.0	3.9	5.6	6.9	8.4	12.1
845	28	1.2	1.6	2.1	3.0	3.7	4.5	6.5
850	42	1.7	2.4	3.1	4.5	5.5	6.7	9.6
855	33	1.4	2.0	2.6	3.7	4.5	5.4	7.8
860	56	2.4	3.3	4.4	6.2	7.6	9.2	13.1
865	58	2.4	3.5	4.5	6.4	7.8	9.4	13.4
870	33	1.4	2.1	2.7	3.7	4.5	5.4	7.7
875	53	2.3	3.3	4.3	6.0	7.4	8.8	12.6
880	65	2.7	3.9	5.1	7.2	8.9	10.7	15.3
885	20	0.9	1.2	1.6	2.2	2.7	3.3	4.7
890	32	1.0	1.5	2.1	3.1	3.9	4.8	7.1
895	48	1.8	2.7	3.5	5.1	6.3	7.7	11.0
900	25	0.5	0.8	1.2	2.1	2.7	3.4	5.2
905	39	0.8	1.3	1.9	3.2	4.1	5.3	7.9
910	73	1.6	2.6	3.8	6.2	8.0	10.1	15.2
915	28	0.7	1.1	1.5	2.4	3.1	3.9	5.9
920	43	1.2	1.8	2.5	3.9	5.0	6.2	9.2
925	49	2.5	3.5	4.4	6.0	7.2	8.6	12.0
930	54	2.3	3.3	4.3	6.0	7.4	8.9	12.7
935	76	2.9	4.1	5.4	7.9	9.8	11.9	17.2
940	41	1.7	2.5	3.2	4.6	5.6	6.8	9.7
945	48	2.0	2.9	3.7	5.3	6.5	7.8	11.2
950	40	1.7	2.4	3.2	4.5	5.5	6.6	9.5
955	62	2.6	3.7	4.8	6.9	8.4	10.2	14.6
960	73	1.4	2.4	3.5	6.0	7.7	9.9	14.9
JUNCT_1058	213	0.0	0.0	0.0	0.1	3.8	11.6	33.8
JUNCT_1059	213	9.0	13.8	19.7	33.8	41.7	47.3	56.5
JUNCT_1060	213	9.0	13.8	19.6	33.8	45.1	58.3	89.9
JUNCT_1061	150	6.4	10.0	14.7	26.7	35.6	47.0	74.0
JUNCT_1139	155	7.5	10.5	13.4	18.4	22.3	26.6	37.4
JUNCT_1140	155	7.4	10.4	13.3	18.3	22.2	26.5	37.4
JUNCT_1145	56	1.8	2.7	3.6	5.4	6.8	8.4	12.2
JUNCT_1148	377	18.3	25.7	32.5	44.5	54.6	65.1	91.1
JUNCT_1148-1	155	7.5	10.8	13.7	18.6	22.5	26.9	37.7
JUNCT_1155	182	8.5	11.9	15.3	21.0	25.5	30.6	43.3
JUNCT_1160	44	2.1	3.0	3.8	5.2	6.2	7.4	10.5
JUNCT_1170	42	1.4	2.1	2.8	4.1	5.1	6.3	9.2
JUNCT_1404	65	0.0	0.2	0.6	2.2	3.5	5.1	9.8
JUNCT_1405	65	0.1	0.5	0.7	1.1	1.2	1.3	1.5
JUNCT_1406	65	2.9	3.7	4.2	4.4	4.7	4.7	5.3
JUNCT_1407	65	2.9	3.7	4.2	4.4	4.7	4.7	5.3
JUNCT_1408	65	2.9	3.7	4.2	4.4	4.7	4.7	5.3
JUNCT_1409	65	3.1	4.2	4.9	5.4	5.9	6.0	6.8
JUNCT_1410	65	3.1	4.3	5.5	7.6	9.2	11.0	16.5
JUNCT_1413	175	3.6	4.8	5.9	7.3	8.5	9.5	11.7
JUNCT_1414	175	3.6	4.8	5.9	7.3	8.5	9.5	12.5

Table B-5 Baseline Runoff Volumes

Design Point	Drainage Area (acres)	Future Conditions Runoff Volume (acre-feet)						
		V_2	V_5	V_{10}	V_{25}	V_{50}	V_{100}	V_{500}
JUNCT_1415	175	3.7	4.9	5.9	7.3	8.5	9.6	12.5
JUNCT_1415-1	139	2.1	2.7	3.1	3.3	3.6	3.7	4.1
JUNCT_1420	56	6.0	8.8	12.0	18.1	23.1	29.5	45.7
JUNCT_1422	139	2.1	2.7	3.1	3.3	3.6	3.7	4.1
JUNCT_1423	139	2.1	2.7	3.1	3.3	3.6	3.7	4.1
JUNCT_1424	139	2.1	2.7	3.1	3.3	3.6	3.7	4.1
JUNCT_1424-1	139	2.1	2.7	3.1	3.3	3.6	3.7	4.1
JUNCT_1425	139	2.1	2.7	3.3	4.1	5.3	7.0	11.9
JUNCT_1429	-	3.6	5.4	7.3	11.0	13.8	17.0	24.8
JUNCT_1430	113	4.4	6.2	8.2	11.9	14.7	17.9	25.7
JUNCT_1432	68	2.5	3.6	4.8	7.0	8.7	10.6	15.3
JUNCT_1432-1	68	2.5	3.6	4.8	7.0	8.7	10.6	15.3
JUNCT_1432-2	68	2.5	3.6	4.8	7.0	8.7	10.6	15.3
JUNCT_1432-3	68	2.5	3.6	4.7	7.0	8.6	10.6	15.3
JUNCT_1433	68	2.5	3.6	4.7	6.9	8.6	10.6	15.3
JUNCT_1434	68	2.5	3.6	4.7	6.9	8.6	10.6	15.3
JUNCT_1434-1	35	1.4	2.0	2.5	2.9	3.1	3.2	3.6
JUNCT_1435	68	1.0	1.5	2.2	4.1	5.5	7.3	11.6
JUNCT_1436	35	1.4	2.0	2.5	2.9	3.1	3.2	3.6
JUNCT_1437	35	1.4	2.0	2.5	2.9	3.1	3.3	3.6
JUNCT_1438	35	1.4	2.0	2.7	3.8	4.7	5.7	8.2
JUNCT_1439	35	1.4	2.0	2.7	3.8	4.7	5.7	8.2
JUNCT_1440	35	1.4	2.1	2.7	3.8	4.7	5.7	8.2
JUNCT_1504	546	20.6	29.0	36.2	46.6	54.9	63.5	85.0
JUNCT_1505	546	20.5	28.9	36.2	46.6	54.6	63.2	84.7
JUNCT_1509	32	1.2	1.7	2.3	3.3	4.1	5.0	7.2
JUNCT_1510	32	1.2	1.7	2.3	3.3	4.1	5.0	7.2
JUNCT_1515	424	15.4	21.7	26.7	33.1	38.4	43.6	56.5
JUNCT_1515-1	93	3.9	5.8	7.5	10.4	12.7	15.3	21.8
JUNCT_1515-2	93	3.9	5.7	7.5	10.4	12.7	15.3	21.8
JUNCT_1516	93	3.9	5.7	7.5	10.4	12.7	15.3	21.8
JUNCT_1517	93	3.9	5.7	7.5	10.4	12.7	15.3	21.7
JUNCT_1518	93	3.9	5.6	7.4	10.3	12.6	15.2	21.6
JUNCT_1519	93	3.9	5.6	7.3	10.3	12.5	15.1	21.6
JUNCT_1520	93	3.9	5.6	7.2	10.2	12.5	15.1	21.6
JUNCT_1521	37	1.5	2.1	2.7	3.9	4.8	5.9	8.5
JUNCT_1525	272	9.2	13.2	17.3	26.0	32.5	40.2	58.9
JUNCT_1526	75	2.9	4.2	5.5	7.9	9.8	11.9	17.1
JUNCT_1526-1	75	3.0	4.2	5.6	8.0	9.8	12.0	17.2
JUNCT_1529	143	4.1	5.8	7.6	11.9	15.2	19.3	28.8
JUNCT_1530	143	4.1	5.8	7.5	11.8	15.1	19.2	28.8
JUNCT_1535	93	2.1	3.0	3.9	6.6	8.6	11.3	17.3
JUNCT_1598	323	14.6	21.3	28.6	52.2	72.7	99.4	166.9
JUNCT_1599	323	14.6	21.4	28.6	52.2	72.7	99.4	166.6
JUNCT_1600	323	14.6	20.9	27.5	50.6	70.9	97.6	164.2
JUNCT_1605	291	13.1	18.8	24.7	46.6	66.3	92.1	156.5
JUNCT_1610	52	2.2	3.3	4.3	5.9	7.2	8.7	12.4
JUNCT_1615	195	9.0	12.6	16.7	35.6	52.8	76.1	133.5
JUNCT_1618	157	6.8	9.7	13.0	30.5	46.6	69.0	123.7
JUNCT_1619	127	5.2	7.4	9.7	13.8	16.9	20.5	29.5
JUNCT_1620	84	3.6	5.1	6.6	9.3	11.4	13.7	19.7
JUNCT_1624	43	1.6	2.3	3.1	4.4	5.5	6.8	9.8
JUNCT_1625	43	1.6	2.3	3.0	4.4	5.5	6.8	9.8
JUNCT_1630	29	1.6	2.2	3.3	16.6	29.8	48.5	94.2
JUNCT_1631	-	0.0	0.0	0.3	12.7	25.0	42.7	86.5
JUNCT_1699	272	7.9	10.9	13.7	18.3	21.6	24.5	30.5
JUNCT_1700	272	7.9	11.0	13.8	18.3	21.5	24.4	30.4
JUNCT_1705	308	9.4	13.1	16.5	22.2	26.4	30.3	38.7
JUNCT_1707	73	3.2	4.5	5.8	8.1	9.6	10.7	12.8
JUNCT_1708	73	3.2	4.5	5.8	8.1	9.6	10.7	12.8
JUNCT_1709	73	3.2	4.5	5.9	8.2	9.6	10.7	12.8
JUNCT_1710	73	3.2	4.5	5.9	8.2	9.9	12.0	17.0
JUNCT_1715	49	2.1	3.0	3.9	5.4	6.6	8.0	11.3
JUNCT_1718	22	0.9	1.3	1.7	2.3	2.9	3.5	4.9
JUNCT_1719	22	0.9	1.3	1.7	2.3	2.9	3.5	4.9
JUNCT_1720	22	0.9	1.3	1.7	2.3	2.9	3.5	4.9
JUNCT_1800	1415	55.5	81.0	105.9	140.6	163.3	186.0	241.5
JUNCT_1815	1337	51.3	75.2	98.5	130.7	151.6	172.2	221.9
JUNCT_1817	1305	49.7	72.7	95.7	127.1	147.0	166.3	214.2
JUNCT_1818	1305	49.4	72.7	95.4	126.7	146.7	166.3	213.9
JUNCT_1819	397	0.0	0.0	0.0	14.1	28.0	47.9	97.6
JUNCT_1820	397	15.0	23.8	37.4	67.2	87.8	112.0	171.9
JUNCT_1823	908	34.4	48.5	58.0	66.3	72.7	77.9	90.8
JUNCT_1824	805	29.6	43.6	57.7	84.7	104.6	127.7	183.8
JUNCT_1825	805	29.6	43.6	57.7	84.7	104.3	127.4	183.8
JUNCT_1830	17	0.7	1.0	1.3	1.9	2.3	2.8	4.0
JUNCT_1831	762	27.7	40.5	53.7	78.9	97.6	119.4	172.5
JUNCT_1831-1	762	27.7	40.8	54.0	79.5	98.5	120.3	173.4
JUNCT_1832	762	27.6	40.5	53.7	78.9	97.3	119.1	172.2
JUNCT_1833	762	27.6	40.5	53.7	78.9	97.3	119.1	172.2
JUNCT_1834	762	27.4	40.2	53.4	78.6	97.3	118.8	172.2
JUNCT_1840	730	26.3	38.7	51.3	75.5	93.6	114.2	165.4
JUNCT_1845	677	24.2	35.6	47.6	70.0	86.5	105.9	153.1
JUNCT_1849	730	26.3	38.7	51.3	75.5	93.6	114.2	165.4
JUNCT_1854	607	21.3	31.6	42.0	62.3	77.3	94.5	136.9
JUNCT_1855	607	21.3	31.6	42.0	62.3	77.3	94.5	136.9
JUNCT_1857	574	19.9	29.6	39.6	58.6	72.7	89.0	129.2
JUNCT_1858	574	19.9	28.8	35.3	39.6	43.0	44.8	49.7
JUNCT_1859	574	19.9	28.8	35.3	39.6	43.0	44.8	49.7
JUNCT_1860	574	20.0	29.6	39.6	58.6	72.7	89.0	129.2

Table B-5 Baseline Runoff Volumes

Design Point	Drainage Area (acres)	Future Conditions Runoff Volume (acre-feet)						
		V_2	V_5	V_{10}	V_{25}	V_{50}	V_{100}	V_{500}
JUNCT_1867	518	17.6	26.2	35.0	52.5	65.1	79.8	116.0
JUNCT_1868	518	16.6	21.1	24.1	26.0	27.7	28.6	31.3
JUNCT_1868-1	518	0.9	5.2	11.1	26.5	37.4	51.3	84.7
JUNCT_1869	518	16.6	21.0	24.0	26.0	27.7	28.6	31.3
JUNCT_1869-1	518	0.9	5.2	11.1	26.5	37.4	51.3	84.7
JUNCT_1870	518	17.5	26.1	35.0	52.5	65.1	79.8	116.0
JUNCT_1875	53	2.3	3.3	4.3	6.0	7.4	8.8	12.6
JUNCT_1879	65	2.7	3.9	5.1	7.2	8.9	10.7	15.3
JUNCT_1880	65	2.7	3.9	5.1	7.2	8.9	10.7	15.3
JUNCT_1882	374	11.3	16.8	20.7	24.7	27.7	30.4	36.8
JUNCT_1883	374	11.3	16.8	20.6	24.6	26.9	28.4	31.6
JUNCT_1883-1	309	0.0	0.4	2.8	11.4	17.5	25.7	45.4
JUNCT_1884	309	8.6	12.9	15.5	17.4	18.8	19.5	21.4
JUNCT_1884-1	309	0.0	0.4	2.8	11.4	17.5	25.7	45.1
JUNCT_1885	309	8.6	13.2	18.3	28.8	36.2	45.1	66.6
JUNCT_1890	289	7.7	11.1	13.4	15.7	17.3	18.8	22.2
JUNCT_1895	257	6.7	10.3	14.5	23.1	29.3	36.8	54.6
JUNCT_1897	209	3.0	3.3	3.5	3.6	3.7	3.8	4.1
JUNCT_1898	209	4.8	7.7	11.0	18.0	23.0	29.1	43.6
JUNCT_1899	209	4.8	7.7	11.0	17.9	22.9	29.0	43.6
JUNCT_1900	209	4.9	7.6	11.0	17.9	22.9	29.0	43.3
JUNCT_1905	112	2.5	3.9	5.7	9.4	12.1	15.4	23.2
JUNCT_1910	73	1.6	2.6	3.8	6.2	8.0	10.1	15.2
JUNCT_1920	43	1.2	1.8	2.5	3.9	5.0	6.2	9.2
JUNCT_1925	103	4.9	6.8	8.8	12.1	14.7	17.6	24.8
JUNCT_1930	54	2.3	3.3	4.3	6.0	7.4	8.9	12.7
JUNCT_1934	341	12.5	18.3	24.3	35.6	43.9	54.0	77.6
JUNCT_1935	341	12.4	18.2	24.2	35.6	43.9	53.7	77.6
JUNCT_1944	265	9.5	14.1	18.8	27.6	34.1	41.7	60.5
JUNCT_1944	265	9.5	14.1	18.8	27.6	34.1	41.7	60.5
JUNCT_1945	265	9.5	14.1	18.8	27.5	34.1	41.7	60.2
JUNCT_1945-1	176	5.7	8.7	11.5	13.3	14.5	15.3	17.2
JUNCT_1946	176	5.7	8.7	11.7	17.6	22.0	27.0	39.3
JUNCT_1947	176	5.7	8.7	11.7	14.2	15.7	16.6	18.8
JUNCT_1948	176	5.8	8.7	11.7	17.6	21.9	27.0	39.3
JUNCT_1949	176	5.8	8.7	11.7	17.5	21.9	26.9	39.3
JUNCT_1949-1	176	5.8	8.7	11.7	17.5	21.9	26.9	39.3
JUNCT_1950	176	5.8	8.7	11.7	17.5	21.9	26.9	39.3
JUNCT_1951	136	4.1	6.2	7.3	8.3	9.0	9.5	10.6
JUNCT_1952	136	4.1	6.1	7.3	8.3	9.0	9.5	10.6
JUNCT_1953	136	4.1	6.2	8.4	12.9	16.2	20.2	29.6
JUNCT_1954	136	4.1	6.1	8.4	12.9	16.2	20.2	29.6
JUNCT_1955	136	4.1	6.1	8.4	12.9	16.2	20.1	29.6
JUNCT_1956	73	1.5	2.4	3.5	6.0	7.8	9.9	15.0
JUNCT_1957	73	1.5	2.4	3.5	6.0	7.7	9.9	15.0
JUNCT_1958	73	1.5	2.4	3.5	6.0	7.7	9.9	14.9
JUNCT_1959	73	1.5	2.4	3.5	6.0	7.7	9.9	14.9
JUNCT_1960	73	1.4	2.4	3.5	6.0	7.7	9.9	14.9
OTF_1059	213	9.0	13.8	19.7	33.8	41.7	47.3	56.5
OTF_1148	377	18.3	25.7	32.5	44.5	54.6	65.1	91.1
OTF_1406	65	2.9	3.7	4.2	4.4	4.7	4.7	5.3
OTF_1420	56	6.0	8.8	12.0	18.1	23.1	29.5	45.7
OTF_1504	546	20.6	29.0	36.2	46.6	54.9	63.5	85.0
OTF_1598	323	14.6	21.3	28.6	52.2	72.7	99.4	166.9
OTF_1698	308	9.4	13.1	16.5	22.2	26.4	30.3	38.7
OTF_1800	1415	55.5	81.0	105.9	140.6	163.3	186.0	241.5
POND_1435	68	1.0	1.5	2.2	4.1	5.5	7.3	11.6
POND_1835	762	27.4	40.2	53.4	78.6	97.3	119.1	172.2

```
[TITLE]
;;Project Title/Notes
Englewood MDP
Baseline Hydrology
All Storm Events
(Basin parameters from 1999 OSP, 2018 OSP, and City As-Builts)

[OPTIONS]
;;Option             Value
FLOW_UNITS           CFS
INFILTRATION         HORTON
FLOW_ROUTING         KINWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           01/01/2005
START_TIME           00:00:00
REPORT_START_DATE    01/01/2005
REPORT_START_TIME    00:00:00
END_DATE             01/01/2005
END_TIME             07:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         60
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           8
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[FILES]
;;Interfacing Files
USE INFLOWS "Q:\50127646\Calcs\01 Hydrology\Baseline\CUHP 2005 v.
2.0.1\MDP\OUT\ENG_Fut_100yr_0mi^2_5min.txt"
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[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
CONSTANT         0.0
DRY_ONLY         NO

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
140              5282.31    0          0          0          0
145              5321.4     0          0          0          0
150              5261.63    0          0          0          0
155              5269.1     0          0          0          0
160              5274       0          0          0          0
165              5269.1     0          0          0          0
170              5328.5     0          0          0          0
410              5285.62    0          0          0          0
415              5289.65    0          0          0          0
420              5296.7     0          0          0          0
425              5297.5     0          0          0          0
430              5297.53    0          0          0          0
435              5324.71    0          0          0          0
;size and slope from north englewood phase III as-builts
440              5342.24    0          0          0          0
505              5301.19    0          0          0          0
510              5358.62    0          0          0          0
515              5302.87    0          0          0          0
520              5392.05    0          0          0          0
521              5456.94    0          0          0          0
525              5305.5     0          0          0          0
526              5373.08    0          0          0          0
530              5357.81    0          0          0          0
535              5438.4     0          0          0          0
56               5307.4     0          0          0          0
60               5301.104   0          0          0          0
600              5273.73    0          0          0          0
605              5286.19    0          0          0          0
61               5307.4     0          0          0          0
610              5312.6     0          0          0          0
615              5299.04    0          0          0          0
620              5306.72    0          0          0          0
625              5313.4     0          0          0          0
630              5312.9     0          0          0          0
700              5286.15    0          0          0          0
705              5280.84    0          0          0          0
710              5312.3     0          0          0          0
715              5321.9     0          0          0          0
720              5348.8     0          0          0          0
800              5288.4     0          0          0          0
815              5293.7     0          0          0          0
```

820	5308.8	0	0	0	0	JUNCT_1424-1	5297.4	9.03	0	0	0
825	5311.33	0	0	0	0	JUNCT_1429	5297.5	0	0	0	0
830	5325.1	0	0	0	0	JUNCT_1434-1	5324.06	8.31	0	0	0
835	5341.92	0	0	0	0	JUNCT_1435	5324.71	0	0	0	0
840	5350	0	0	0	0	JUNCT_1436	5324.67	8.64	0	0	0
845	5356	0	0	0	0	JUNCT_1437	5325.88	9.55	0	0	0
850	5356	0	0	0	0	JUNCT_1504	5294.19	16.11	0	0	0
855	5358.7	0	0	0	0	JUNCT_1509	5352.96	0	0	0	0
860	5362.22	0	0	0	0	JUNCT_1510	5358.62	0	0	0	0
865	5376.18	0	0	0	0	JUNCT_1521	5456.94	0	0	0	0
870	5376.18	0	0	0	0	JUNCT_1526	5373.08	0	0	0	0
875	5413.6	0	0	0	0	JUNCT_1526-1	5321.5	0	0	0	0
880	5388.15	0	0	0	0	JUNCT_1535	5438.4	0	0	0	0
885	5389.85	0	0	0	0	JUNCT_1598	5261.34	20.36	0	0	0
890	5393.53	0	0	0	0	JUNCT_1610	5312.6	0	0	0	0
895	5396.75	0	0	0	0	JUNCT_1624	5311.164	0.012	0	0	0
900	5405.4	0	0	0	0	JUNCT_1625	5313.4	0	0	0	0
905	5413.5	0	0	0	0	JUNCT_1630	5312.9	0	0	0	0
910	5417.5	0	0	0	0	JUNCT_1631	5316.6	0	0	0	0
915	5405.4	0	0	0	0	JUNCT_1705	5280.84	6.8	0	0	0
920	5449.4	0	0	0	0	JUNCT_1715	5321.9	0	0	0	0
925	5323.6	0	0	0	0	JUNCT_1718	5337.7	0	0	0	0
930	5335.1	0	0	0	0	JUNCT_1719	5343.5	0	0	0	0
935	5312	0	0	0	0	JUNCT_1720	5348.8	0	0	0	0
940	5355.8	0	0	0	0	JUNCT_1800	5288.4	0	0	0	0
945	5353.45	0	0	0	0	JUNCT_1830	5325.1	0	0	0	0
950	5388.55	0	0	0	0	JUNCT_1840	5350	0	0	0	0
955	5395.9	0	0	0	0	JUNCT_1845	5356	0	0	0	0
960	5414.8	0	0	0	0	JUNCT_1849	5346.8	0	0	0	0
JUNCT_1058	5308.3	0	0	0	0	JUNCT_1854	5358.2	8.8	0	0	0
;Elevation does not match DEM, adjusted so slopes to use minimum slope assumption						JUNCT_1855	5358.7	0	0	0	0
(0.5%)						JUNCT_1857	5358.8	0	0	0	0
JUNCT_1059	5297.8	11.19	0	0	0	JUNCT_1859	5361.17	11.03	0	0	0
JUNCT_1148	5261.63	7.02	0	0	0	JUNCT_1868-1	5376.2	0	0	0	0
JUNCT_1155	5269.1	0	0	0	0	JUNCT_1869-1	5381.5	0	0	0	0
JUNCT_1160	5274	0	0	0	0	JUNCT_1875	5413.6	0	0	0	0
JUNCT_1170	5328.5	0	0	0	0	JUNCT_1883-1	5391.3	0	0	0	0
JUNCT_1404	0	10	0	0	0	;size and slope from S-S Central Englewood AB's					
JUNCT_1405	5281.9	0	0	0	0	JUNCT_1884	5386.13	13.49	0	0	0
JUNCT_1406	5251.86	6.65	0	0	0	JUNCT_1884-1	5392.4	0	0	0	0
JUNCT_1407	5269.28	10.75	0	0	0	JUNCT_1897	5397.25	8.69	0	10	0
JUNCT_1408	5270.93	17.35	0	0	0	JUNCT_1905	5413.5	0	0	0	0
;Invert approximated between surveyed manholes.						JUNCT_1910	5417.5	0	0	0	0
JUNCT_1415	5289.65	11.84	0	0	0	JUNCT_1920	5449.4	0	0	0	0
JUNCT_1415-1	5290.76	13.15	0	0	0	JUNCT_1925	5323.6	0	0	0	0
JUNCT_1420	5296.7	0	0	0	0	JUNCT_1930	5335.1	0	0	0	0
JUNCT_1422	5292.29	14.4	0	0	0	JUNCT_1945-1	5366.94	10.79	0	0	0
JUNCT_1423	5293.26	12.1	0	0	0	JUNCT_1956	5400.5	0	0	0	0
JUNCT_1424	5295.6	7.7	0	0	0	JUNCT_1957	5404.7	0	0	0	0
;MH invert modified from survey to provide positive grade coming into MH.						JUNCT_1958	5409.4	0	0	0	0

```
JUNCT_1959       5414.3     0          0          0          0
JUNCT_1960       5414.8     0          0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OTF_1059         5297.75    FREE                        NO
OTF_1148         5261.58    FREE                        NO
OTF_1406         5251.81    FREE                        NO
OTF_1420         5296.65    FREE                        NO
OTF_1504         5294.14    FREE                        NO
OTF_1598         5261.29    FREE                        NO
OTF_1698         5278.42    FREE                        NO
OTF_1800         5288.35    FREE                        NO

[DIVIDERS]
;;Name           Elevation  Diverted Link    Type       Parameters
;;-------------- ---------- ---------------- ---------- ----------
JUNCT_1060       5301.104   1060_SPLIT       OVERFLOW   12.426     0          0
     0
JUNCT_1061       5307.4     1061_OFL         OVERFLOW   8.05       0          0
     0
JUNCT_1139       5266.34    1139_OFL         OVERFLOW   6.21       0          0
     0
JUNCT_1140       5282.31    1140_OFL         OVERFLOW   13.19      0          0
     0
JUNCT_1145       5321.4     1145_OFL         OVERFLOW   12.65      0          0
     0
JUNCT_1148-1     5263.46    1148-1_OFL       OVERFLOW   7.71       0          0
     0
JUNCT_1409       5273.18    1409_SPLIT       OVERFLOW   13.9       0          0
     0
JUNCT_1410       5285.62    1410_SPLIT       OVERFLOW   4.48       0          0
     0
JUNCT_1413       5288       1413_OFL         OVERFLOW   15.6       0          0
     0
JUNCT_1414       5288.97    1414_SPLIT       OVERFLOW   11.95      0          0
     0
;MH invert modified from survey to provide positive grade coming into MH.
JUNCT_1425       5297.5     1425_OFL         OVERFLOW   8.6        0          0
     0
JUNCT_1430       5297.53    1430_SPLIT       OVERFLOW   6.15       0          0
     0
JUNCT_1432       5299.44    1432_OFL         OVERFLOW   7          0          0
     0
JUNCT_1432-1     5308.65    1432-1_OFL       OVERFLOW   7.75       0          0
     0
JUNCT_1432-2     5315.69    1432-2_OFL       OVERFLOW   9.75       0          0
     0
JUNCT_1432-3     5319.29    1432-3_OFL       OVERFLOW   10.14      0          0
     0
JUNCT_1433       5322.24    1433_OFL         OVERFLOW   7.29       0          0
     0
JUNCT_1434       5323.35    1434_OFL         OVERFLOW   6.45       0          0
     0
JUNCT_1438       5326.54    1438_OFL         OVERFLOW   10.443     0          0
     0
JUNCT_1439       5333.24    1439_OFL         OVERFLOW   6.27       0          0
     0
JUNCT_1440       5342.24    1440_OFL         OVERFLOW   8.01       0          0
     0
JUNCT_1505       5301.19    1505_OFL         OVERFLOW   16.13      0          0
     0
JUNCT_1515       5302.87    1515_OFL         OVERFLOW   16.81      0          0
     0
JUNCT_1515-1     5317.31    1515-1_OFL       OVERFLOW   6.19       0          0
     0
JUNCT_1515-2     5332.09    1515-2_OFL       OVERFLOW   5.81       0          0
     0
JUNCT_1516       5336.4     1516_OFL         OVERFLOW   6.38       0          0
     0
JUNCT_1517       5339.61    1517_OFL         OVERFLOW   5.79       0          0
     0
JUNCT_1518       5382.28    1518_OFL         OVERFLOW   6.42       0          0
     0
JUNCT_1519       5383.91    1519_OFL         OVERFLOW   8.59       0          0
     0
JUNCT_1520       5392.05    1520_OFL         OVERFLOW   5.78       0          0
     0
JUNCT_1525       5305.5     1525_SPLIT       OVERFLOW   13.06      0          0
     0
JUNCT_1529       5325.49    1529_OFL         OVERFLOW   9.61       0          0
     0
JUNCT_1530       5357.81    1530_OFL         OVERFLOW   7.89       0          0
     0
JUNCT_1599       5271.6     1599_OFL         OVERFLOW   18         0          0
     0
JUNCT_1600       5273.73    1600_OFL         OVERFLOW   15.3       0          0
     0
JUNCT_1605       5286.19    1605_OFL         OVERFLOW   16.35      0          0
     0
JUNCT_1615       5299.04    1615_OFL         OVERFLOW   10         0          0
     0
JUNCT_1618       5302.03    1618_OFL         OVERFLOW   7.236      0          0
     0
JUNCT_1619       5304.3     1619_OFL         OVERFLOW   5.42       0          0
     0
JUNCT_1620       5306.72    1620_OFL         OVERFLOW   4.71       0          0
     0
JUNCT_1699       5283.03    1699_OFL         OVERFLOW   6.47       0          0
```

```
     0
;WAITING ON SURVEY
JUNCT_1700       5286.15    1700_OFL         OVERFLOW   15.5       0          0
     0
JUNCT_1707       5293.23    1707_OFL         OVERFLOW   16         0          0
     0
JUNCT_1708       5296.17    1708_OFL         OVERFLOW   14.33      0          0
     0
JUNCT_1709       5304.7     1709_OFL         OVERFLOW   7.5        0          0
     0
JUNCT_1710       5312.3     1710_SPLIT       OVERFLOW   0          0          0
     0
JUNCT_1815       5293.7     1815_OFL         OVERFLOW   10.9       0          0
     0
JUNCT_1817       5296.4     1817_OFL         OVERFLOW   16.5       0          0
     0
JUNCT_1818       5300.99    1818_OFL         OVERFLOW   12.7       0          0
     0
JUNCT_1819       5308.8     1820_OFL         TABULAR    50:50            8.6
0          0          0
JUNCT_1820       5308.8     DUMMY_1819       OVERFLOW   8.6        0          0
     0
JUNCT_1823       5303.652   1823_OFL         OVERFLOW   13.37      0          0
     0
JUNCT_1824       5305.77    1824_OFL         OVERFLOW   15.4       0          0
     0
JUNCT_1825       5311.33    1825_OFL         OVERFLOW   13.2       0          0
     0
;Invert elev based on approx AB slope of 0.52% from d/s MH.
JUNCT_1831       5315.21    1831_OFL         OVERFLOW   11.29      0          0
     0
JUNCT_1831-1     5312.72    1831-1_OFL       OVERFLOW   13.2       0          0
     0
JUNCT_1832       5317.72    1832_OFL         OVERFLOW   13.28      0          0
     0
JUNCT_1833       5329.58    1833_OFL         OVERFLOW   10.62      0          0
     0
JUNCT_1834       5341.92    1834_OFL         OVERFLOW   12.5       0          0
     0
JUNCT_1858       5358.85    1858_OFL         OVERFLOW   11.22      0          0
     0
JUNCT_1860       5362.22    1860_SPLIT       OVERFLOW   10.8       0          0
     0
JUNCT_1867       5364.5     1867_OFL         OVERFLOW   9          0          0
     0
JUNCT_1868       5369.47    1868_OFL         OVERFLOW   17.63      0          0
     0
JUNCT_1869       5372.43    1869_OFL         OVERFLOW   17.07      0          0
     0
JUNCT_1870       5376.18    1870_SPLIT       OVERFLOW   9.62       0          0
     0
JUNCT_1879       5386.75    1879_SPLIT       OVERFLOW   8.08       0          0
     0
JUNCT_1880       5388.15    1880_OFL         OVERFLOW   8.91       0          0
     0
JUNCT_1882       5377.76    1882_OFL         OVERFLOW   9.06       0          0
     0
;size and slope from S-S Central Englewood AB's
JUNCT_1883       5379.86    1883_OFL         OVERFLOW   12.84      0          0
     0
JUNCT_1885       5389.85    1885_SPLIT       OVERFLOW   8.35       0          0
     0
JUNCT_1890       5393.53    1890_OFL         OVERFLOW   11.5       0          0
     0
JUNCT_1895       5396.75    1894_SPLIT       OVERFLOW   6.19       0          10
     0
JUNCT_1898       5397.66    1898_SPLIT       OVERFLOW   10         0          10
     0
JUNCT_1899       5401.02    1899_OFL         OVERFLOW   7.26       0          0
     0
JUNCT_1900       5405.4     1900_OFL         OVERFLOW   5.4        0          0
     0
JUNCT_1934       5311.2     1934_SPLIT       OVERFLOW   6.3        0          0
     0
JUNCT_1935       5312       1935_OFL         OVERFLOW   5.71       0          0
     0
JUNCT_1943       5312.77    1943_OFL         OVERFLOW   5.85       0          0
     0
JUNCT_1944       5343.24    1944_OFL         OVERFLOW   11.52      0          0
     0
JUNCT_1945       5353.45    1945_OFL         OVERFLOW   5.85       0          0
     0
JUNCT_1946       5369.95    1946_SPLIT       OVERFLOW   1.2        0          0
     0
JUNCT_1947       5372.79    1947_OFL         OVERFLOW   7.79       0          0
     0
JUNCT_1948       5379.4     1948_SPLIT       OVERFLOW   1.92       0          0
     0
JUNCT_1949       5386.74    1949_OFL         OVERFLOW   8.09       0          0
     0
JUNCT_1949-1     5385.48    1949-1_OFL       OVERFLOW   7.6        0          0
     0
JUNCT_1950       5388.55    1950_OFL         OVERFLOW   2.46       0          0
     0
JUNCT_1951       5389.62    1951_OFL         OVERFLOW   3.75       0          0
     0
JUNCT_1952       5391       1952_OFL         OVERFLOW   8.08       0          0
     0
JUNCT_1953       5393.2     1953_SPLIT       OVERFLOW   3.3        0          0
     0
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JUNCT_1954       5394.04    1954_OFL         OVERFLOW   3.26       0          0
     0
JUNCT_1955       5395.9     1955_OFL         OVERFLOW   2.6        0          0
     0

[STORAGE]
;;Name           Elev.    MaxDepth   InitDepth  Shape      Curve Name/Params
    N/A      Fevap    Psi      Ksat     IMD
;;-------------- -------- ---------- ---------- ----------
---------------------------- -------- --------          -------- --------
;Bates-Logan Park Detention
POND_1435        5324.7   8.3        0          TABULAR    802-Sto
  0        0
;Rotolo Park Detention
POND_1835        5341.9   12.5       0          TABULAR    800-Sto
  0        0

[CONDUITS]
;;Name           From Node        To Node          Length     Roughness  InOffset
OutOffset  InitFlow   MaxFlow
;;-------------- ---------------- ---------------- ---------- ---------- ----------
---------- ---------- ----------
;Slope unknown. Assumed minimum 0.5%
1060             JUNCT_1060       JUNCT_1059       654.362    0.02       0
0          0          0
1060_SPLIT       JUNCT_1060       JUNCT_1058       841.655    0.02       12.426
0          0          0
;Slope unknown. Assumed minimum 0.5%
1061             JUNCT_1061       JUNCT_1060       1258.228   0.02       0
0          0          0
1061_OFL         JUNCT_1061       JUNCT_1060       1303.697   0.02       8.05
12.426     0          0
1139             JUNCT_1139       JUNCT_1148-1     873.492    0.02       0
0          0          0
1139_OFL         JUNCT_1139       JUNCT_1148-1     873.492    0.02       6.21
5.88       0          0
1140             JUNCT_1140       JUNCT_1139       1030.781   0.02       0
0          0          0
1140_OFL         JUNCT_1140       JUNCT_1139       1030.781   0.02       13.19
6.56       0          0
1145             JUNCT_1145       JUNCT_1140       1269.623   0.02       0
6.47       0          0
1145_OFL         JUNCT_1145       JUNCT_1140       1269.623   0.02       12.65
13.19      0          0
1148-1           JUNCT_1148-1     JUNCT_1148       105.811    0.02       0
0          0          0
1148-1_OFL       JUNCT_1148-1     JUNCT_1148       132.758    0.02       7.71
7.02       0          0
1155             JUNCT_1155       JUNCT_1148       1080.856   0.06       0
0          0          0
1160             JUNCT_1160       JUNCT_1155       1316.915   0.06       0
0          0          0
1170             JUNCT_1170       JUNCT_1155       2417.743   0.06       0
0          0          0
1407             JUNCT_1407       JUNCT_1406       659.185    0.02       0
0          0          0
1408             JUNCT_1408       JUNCT_1407       197.081    0.02       0
0.05       0          0
1409             JUNCT_1409       JUNCT_1408       345.432    0.02       0
0.05       0          0
1409_SPLIT       JUNCT_1409       JUNCT_1405       369.674    0.02       13.9
0          0          0
1410             JUNCT_1410       JUNCT_1409       948.124    0.02       0
0.35       0          0
1410_SPLIT       JUNCT_1410       JUNCT_1404       104.829    0.035      4.48
0          0          0
1413             JUNCT_1413       JUNCT_1700       660.55     0.02       0
0.43       0          0
1413_OFL         JUNCT_1413       JUNCT_1700       660.55     0.02       15.6
15.5       0          0
1414             JUNCT_1414       JUNCT_1413       609.096    0.02       0
0.05       0          0
1414_SPLIT       JUNCT_1414       JUNCT_1410       1673.157   0.02       11.95
4.48       0          0
;slope from N Central Englewood Basin Ph II AB's
1415             JUNCT_1415       JUNCT_1414       209.695    0.02       0
0.05       0          0
1415-1           JUNCT_1415-1     JUNCT_1415       338.694    0.02       0
0          0          0
1422_1           JUNCT_1422       JUNCT_1415-1     489.874    0.02       0.1
0          0          0
1423             JUNCT_1423       JUNCT_1422       324.213    0.02       0
0.05       0          0
1424             JUNCT_1424       JUNCT_1423       306.21     0.02       0
0          0          0
;2022 Survey discrepancy for upstream pipe. Assigned 4 ft per u/s MH.
1424-1           JUNCT_1424-1     JUNCT_1424       293.813    0.02       0
0          0          0
;slope from N Central Englewood Basin Ph II AB's
1425_1           JUNCT_1425       JUNCT_1424-1     119.887    0.02       0
0          0          0
1425_OFL         JUNCT_1425       JUNCT_1420       1309.999   0.02       8.6
0          0          0
1429             JUNCT_1429       JUNCT_1420       318.239    0.02       0
0          0          0
1430             JUNCT_1430       JUNCT_1425       288.481    0.02       0
0          0          0
1430_SPLIT       JUNCT_1430       JUNCT_1429       1310.392   0.02       6.15
0          0          0
1432             JUNCT_1432       JUNCT_1430       182.753    0.02       0
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0.1         0          0
1432_OFL          JUNCT_1432        JUNCT_1430        182.753     0.02        4.94
6.15        0          0
1432-1            JUNCT_1432-1      JUNCT_1432        172.44      0.02        0
0.35        0          0
1432-1_OFL        JUNCT_1432-1      JUNCT_1432        172.44      0.02        7.75
7           0          0
;size and slope from N Central Englewood Basin Ph II AB's
1432-2            JUNCT_1432-2      JUNCT_1432-1      128.589     0.02        0
0.05        0          0
1432-2_OFL        JUNCT_1432-2      JUNCT_1432-1      128.589     0.02        9.75
7.75        0          0
;size and slope from N Central Englewood Basin Ph II AB's
1432-3            JUNCT_1432-3      JUNCT_1432-2      333.23      0.02        0
0           0          0
1432-3_OFL        JUNCT_1432-3      JUNCT_1432-2      333.23      0.02        10.14
9.75        0          0
;size and slope from N Central Englewood Basin Ph II AB's
1433              JUNCT_1433        JUNCT_1432-3      184.108     0.02        0
0           0          0
1433_OFL          JUNCT_1433        JUNCT_1432-3      184.108     0.02        7.29
10.14       0          0
;size and slope from N Central Englewood Basin Ph II AB's
1434              JUNCT_1434        JUNCT_1433        142.304     0.02        0
0           0          0
1434_OFL          JUNCT_1434        JUNCT_1433        142.304     0.02        6.45
7.29        0          0
1434-1            JUNCT_1434-1      JUNCT_1434        209.553     0.02        0
0           0          0
1436              JUNCT_1436        JUNCT_1434-1      173.669     0.02        0
0           0          0
1437              JUNCT_1437        JUNCT_1436        346.598     0.02        0
0           0          0
1438              JUNCT_1438        JUNCT_1437        182.392     0.02        0
0           0          0
1438_OFL          JUNCT_1438        JUNCT_1435        516.78      0.035       10.443
0           0          0
1439              JUNCT_1439        JUNCT_1438        154.712     0.02        0
0           0          0
1439_OFL          JUNCT_1439        JUNCT_1438        154.712     0.02        6.27
10.443      0          0
1440              JUNCT_1440        JUNCT_1439        302.754     0.02        0
0           0          0
1440_OFL          JUNCT_1440        JUNCT_1439        302.754     0.02        8.01
6.27        0          0
1505              JUNCT_1505        JUNCT_1504        832.747     0.02        0
0           0          0
1505_OFL          JUNCT_1505        JUNCT_1504        832.747     0.02        16.13
16.11       0          0
1509              JUNCT_1509        JUNCT_1505        1302.678    0.02        0
16.13       0          0
1510              JUNCT_1510        JUNCT_1509        212.719     0.02        0
0           0          0
1515              JUNCT_1515        JUNCT_1505        636.06      0.02        0
0           0          0
1515_OFL          JUNCT_1515        JUNCT_1505        636.06      0.02        16.81
16.13       0          0
1515-1            JUNCT_1515-1      JUNCT_1515        576.35      0.02        0
0           0          0
1515-1_OFL        JUNCT_1515-1      JUNCT_1515        576.35      0.02        6.19
16.81       0          0
1515-2            JUNCT_1515-2      JUNCT_1515-1      517.131     0.02        0
0           0          0
1515-2_OFL        JUNCT_1515-2      JUNCT_1515-1      517.131     0.02        5.81
6.19        0          0
1516              JUNCT_1516        JUNCT_1515-2      177.012     0.02        0
0           0          0
1516_OFL          JUNCT_1516        JUNCT_1515-2      177.012     0.02        6.38
5.81        0          0
1517              JUNCT_1517        JUNCT_1516        304.675     0.02        0
0           0          0
1517_OFL          JUNCT_1517        JUNCT_1516        304.675     0.02        5.79
6.38        0          0
1518              JUNCT_1518        JUNCT_1517        1515.621    0.02        0
0           0          0
1518_OFL          JUNCT_1518        JUNCT_1517        1515.621    0.02        6.42
5.79        0          0
1519              JUNCT_1519        JUNCT_1518        99.489      0.02        0
0           0          0
1519_OFL          JUNCT_1519        JUNCT_1518        99.489      0.02        8.59
6.42        0          0
1520              JUNCT_1520        JUNCT_1519        440.682     0.02        0
0           0          0
1520_OFL          JUNCT_1520        JUNCT_1519        440.682     0.02        5.78
8.59        0          0
1521              JUNCT_1521        JUNCT_1520        2047.638    0.02        0
5.78        0          0
1525              JUNCT_1525        JUNCT_1515        875.079     0.02        0
0           0          0
1525_SPLIT        JUNCT_1525        JUNCT_1061        1221.829    0.02        19.4
8.05        0          0
1526              JUNCT_1526        JUNCT_1526-1      2656.603    0.02        0
0           0          0
1526-1            JUNCT_1526-1      JUNCT_1525        590.547     0.02        0
13.06       0          0
1529              JUNCT_1529        JUNCT_1525        1256.352    0.02        0
0           0          0
1529_OFL          JUNCT_1529        JUNCT_1525        1256.352    0.02        10.4
19.4        0          0
1530              JUNCT_1530        JUNCT_1529        1492.176    0.02        0
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0          0          0
1530_OFL   JUNCT_1530   JUNCT_1529   1492.176   0.02   7.89
9.61       0          0
1535       JUNCT_1535   JUNCT_1530   2933.726   0.02   0
7.89       0          0
1599       JUNCT_1599   JUNCT_1598   132.889    0.02   0
0          0          0
1599_OFL   JUNCT_1599   JUNCT_1598   151.174    0.02   18
20.36      0          0
1600       JUNCT_1600   JUNCT_1599   688.93     0.02   0
0          0          0
1600_OFL   JUNCT_1600   JUNCT_1599   688.93     0.035  15.3
17.4       0          0
1605       JUNCT_1605   JUNCT_1600   586.114    0.02   0
0          0          0
1605_OFL   JUNCT_1605   JUNCT_1600   586.114    0.035  16.35
15.3       0          0
1610       JUNCT_1610   JUNCT_1605   1021.922   0.02   0
16.35      0          0
1615       JUNCT_1615   JUNCT_1605   1363.685   0.02   0
7.3        0          0
1615_OFL   JUNCT_1615   JUNCT_1605   1363.685   0.02   9.5
16.34      0          0
1618       JUNCT_1618   JUNCT_1615   418.813    0.02   0
0.05       0          0
1618_OFL   JUNCT_1618   JUNCT_1615   418.813    0.02   7.236
10         0          0
1619       JUNCT_1619   JUNCT_1618   318.826    0.02   0
0          0          0
1619_OFL   JUNCT_1619   JUNCT_1618   318.826    0.02   5.42
7.236      0          0
1620       JUNCT_1620   JUNCT_1619   339.809    0.02   0
0          0          0
1620_OFL   JUNCT_1620   JUNCT_1619   339.809    0.02   4.71
5.42       0          0
1624       JUNCT_1624   JUNCT_1619   528.215    0.02   0
0          0          0
1625       JUNCT_1625   JUNCT_1624   806.724    0.02   0
0          0          0
1630       JUNCT_1630   JUNCT_1618   1258.48    0.02   0
0          0          0
1631       JUNCT_1631   JUNCT_1630   1267.502   0.02   0
0          0          0
;slope from AB
1699       JUNCT_1699   JUNCT_1705   317.809    0.02   0
0          0          0
1699_OFL   JUNCT_1699   JUNCT_1705   317.809    0.02   6.47
6.8        0          0
;size and slope from Jefferson Hampden N Central College View AB's
1700       JUNCT_1700   JUNCT_1699   505.547    0.02   0
0          0          0
1700_OFL   JUNCT_1700   JUNCT_1699   505.547    0.02   15.5
6.47       0          0
;size and slope from Jefferson Hampden N Central College View AB's
1707       JUNCT_1707   JUNCT_1700   353.891    0.02   0
4.6        0          0
1707_OFL   JUNCT_1707   JUNCT_1700   353.891    0.02   16
15.5       0          0
1708       JUNCT_1708   JUNCT_1707   661.889    0.02   0
0.5        0          0
1708_OFL   JUNCT_1708   JUNCT_1707   661.889    0.02   14.33
16         0          0
1709       JUNCT_1709   JUNCT_1708   631.796    0.02   0
0.1        0          0
1709_OFL   JUNCT_1709   JUNCT_1708   631.796    0.02   7.5
14.33      0          0
1710       JUNCT_1710   JUNCT_1709   360.858    0.02   0
0          0          0
1710_SPLIT JUNCT_1710   JUNCT_1425   1341.713   0.02   0
8.6        0          0
1715       JUNCT_1715   JUNCT_1710   434.364    0.06   0
0          0          0
1718       JUNCT_1718   JUNCT_1715   392.433    0.06   0
0          0          0
1719       JUNCT_1719   JUNCT_1718   271.696    0.02   0
0          0          0
1720       JUNCT_1720   JUNCT_1719   676.703    0.02   0
0          0          0
1815       JUNCT_1815   JUNCT_1800   1753.315   0.02   0
0          0          0
1815_OFL   JUNCT_1815   JUNCT_1800   1753.315   0.02   10.9
0          0          0
1817       JUNCT_1817   JUNCT_1815   663.431    0.02   0
0          0          0
1817_OFL   JUNCT_1817   JUNCT_1815   663.431    0.02   16.5
10.9       0          0
1818       JUNCT_1818   JUNCT_1817   626.506    0.02   0
0          0          0
1818_OFL   JUNCT_1818   JUNCT_1817   626.506    0.02   12.7
16.5       0          0
1819       JUNCT_1820   JUNCT_1818   498.704    0.02   0
0          0          0
1819_OFL   JUNCT_1819   JUNCT_1818   498.704    0.02   8.6
12.7       0          0
1820_OFL   JUNCT_1819   JUNCT_1631   477.532    0.02   8.6
0          0          0
1823       JUNCT_1823   JUNCT_1818   446.363    0.02   0
0          0          0
1823_OFL   JUNCT_1823   JUNCT_1818   446.363    0.02   13.37
12.7       0          0
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1824            JUNCT_1824      JUNCT_1823      430.967   0.02      0
0         0         0
1824_OFL        JUNCT_1824      JUNCT_1820      1005.187  0.02      15.4
0         0         0
1825            JUNCT_1825      JUNCT_1824      433.342   0.02      0
0         0         0
1825_OFL        JUNCT_1825      JUNCT_1824      433.342   0.02      13.2
15.45     0         0
1830            JUNCT_1830      JUNCT_1820      1253.433  0.02      0
0         0         0
1831            JUNCT_1831      JUNCT_1831-1    498.951   0.02      0
0         0         0
1831_OFL        JUNCT_1831      JUNCT_1831-1    498.951   0.06      11.29
13.2      0         0
;SURVEY DISCREP.
1831-1          JUNCT_1831-1    JUNCT_1825      122.812   0.02      0
0         0         0
1831-1_OFL      JUNCT_1831-1    JUNCT_1825      122.812   0.02      13.2
13.2      0         0
;slope from South Englewood Storm Sewer AB's
1832            JUNCT_1832      JUNCT_1831      744.523   0.02      0
0         0         0
1832_OFL        JUNCT_1832      JUNCT_1831      744.523   0.02      13.28
11.29     0         0
;size and slope from South Englewood Storm Sewer AB's
1833            JUNCT_1833      JUNCT_1832      580.795   0.02      0
0         0         0
1833_OFL        JUNCT_1833      JUNCT_1832      580.795   0.02      10.62
13.28     0         0
;size and slope from South Englewood Storm Sewer AB's
1834            JUNCT_1834      JUNCT_1833      497.739   0.02      0
0         0         0
1834_OFL        JUNCT_1834      JUNCT_1833      497.739   0.02      0
10.62     0         0
1840            JUNCT_1840      JUNCT_1849      367.549   0.02      0
0         0         0
1845            JUNCT_1845      JUNCT_1840      542.886   0.02      0
0         0         0
1854            JUNCT_1854      JUNCT_1845      533.459   0.02      0
0         0         0
1855            JUNCT_1855      JUNCT_1854      220.576   0.02      0
0         0         0
1857            JUNCT_1857      JUNCT_1855      117.204   0.02      0
0         0         0
1858            JUNCT_1858      JUNCT_1857      41.792    0.02      0
0         0         0
1858_OFL        JUNCT_1858      JUNCT_1857      41.792    0.035     11.22
0         0         0
1859            JUNCT_1859      JUNCT_1858      236.37    0.02      0
0         0         0
1860            JUNCT_1860      JUNCT_1859      157       0.02      0
0         0         0
1860_SPLIT      JUNCT_1860      JUNCT_1857      389.345   0.06      10.8
0         0         0
1867            JUNCT_1867      JUNCT_1860      184.062   0.02      0
1.33      0         0
1867_OFL        JUNCT_1867      JUNCT_1860      184.062   0.02      9
10.8      0         0
;size and slope from south englewood drainage project
1868            JUNCT_1868      JUNCT_1867      302.105   0.02      0
0         0         0
1868_OFL        JUNCT_1868      JUNCT_1867      302.105   0.02      17.63
9         0         0
1868-1_SPLIT    JUNCT_1868-1    JUNCT_1867      312.515   0.02      0
0         0         0
;size and slope from S-S Central Englewood AB's
1869            JUNCT_1869      JUNCT_1868      369.431   0.02      0
0         0         0
1869_OFL        JUNCT_1869      JUNCT_1868      369.431   0.02      17.07
17.63     0         0
1869-1_SPLIT    JUNCT_1869-1    JUNCT_1868-1    326.453   0.06      0
0         0         0
;size and slope from S-S Central Englewood AB's
1870            JUNCT_1870      JUNCT_1869      469.354   0.02      0
0         0         0
1870_SPLIT      JUNCT_1870      JUNCT_1869-1    378.896   0.06      9.62
0         0         0
1875            JUNCT_1875      JUNCT_1870      1472.591  0.02      0
0         0         0
1879            JUNCT_1879      JUNCT_1883      420.544   0.02      0
0         0         0
1879_SPLIT      JUNCT_1879      JUNCT_1882      617.454   0.06      8.08
9.06      0         0
;size and slope from S-S Central Englewood AB's
1880            JUNCT_1880      JUNCT_1879      218.508   0.02      0
0         0         0
1880_OFL        JUNCT_1880      JUNCT_1879      278.536   0.02      8.91
8.08      0         0
;size and slope from S-S Central Englewood AB's
1882            JUNCT_1882      JUNCT_1870      198.05    0.02      0
0         0         0
1882_OFL        JUNCT_1882      JUNCT_1870      198.05    0.02      9.06
9.62      0         0
;size and slope from S-S Central Englewood AB's
1883            JUNCT_1883      JUNCT_1882      262.587   0.02      0
0         0         0
1883_OFL        JUNCT_1883      JUNCT_1882      262.587   0.02      12.84
10.1      0         0
1883-1_SPLIT    JUNCT_1883-1    JUNCT_1870      543.92    0.06      0
9.62      0         0
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;size and slope from S-S Central Englewood AB's
1884            JUNCT_1884      JUNCT_1883      395.93    0.02      0
0         0         0
1884-1_SPLIT    JUNCT_1884-1    JUNCT_1883-1    349.712   0.06      0
0         0         0
;size and slope from S-S Central Englewood AB's
1885            JUNCT_1885      JUNCT_1884      299.01    0.02      0
0         0         0
1885_SPLIT      JUNCT_1885      JUNCT_1884-1    569.608   0.06      8.35
0         0         0
;size and slope from S-S Central Englewood AB's
1890            JUNCT_1890      JUNCT_1885      613.129   0.02      0
0         0         0
1890_OFL        JUNCT_1890      JUNCT_1885      613.129   0.02      11.5
8.35      0         0
;size and slope from S-S Central Englewood AB's
1894            JUNCT_1895      JUNCT_1890      535.837   0.02      0
0         0         0
1894_SPLIT      JUNCT_1895      JUNCT_1885      853.943   0.06      6.19
8.35      0         0
1897            JUNCT_1897      JUNCT_1895      160.442   0.02      0
0         0         0
1898            JUNCT_1898      JUNCT_1897      318.61    0.02      0
0         0         0
1898_SPLIT      JUNCT_1898      JUNCT_1895      385.004   0.06      10
6.19      0         0
;information from Ulteig 2020 project survey
1899            JUNCT_1899      JUNCT_1898      123.464   0.02      0
0         0         0
1899_OFL        JUNCT_1899      JUNCT_1898      123.464   0.02      7.26
10        0         0
;size and slope from S-S Central Englewood AB's
1900            JUNCT_1900      JUNCT_1899      494.56    0.02      0
0         0         0
1900_OFL        JUNCT_1900      JUNCT_1899      494.56    0.02      5.4
7.26      0         0
1905            JUNCT_1905      JUNCT_1900      580.971   0.035     0
0         0         0
1910            JUNCT_1910      JUNCT_1905      325.987   0.035     0
0         0         0
1920            JUNCT_1920      JUNCT_1900      1975.259  0.02      0
7         0         0
1925            JUNCT_1925      JUNCT_1823      1067.347  0.02      0
0         0         0
1930            JUNCT_1930      JUNCT_1925      2216.267  0.02      0
0         0         0
1934            JUNCT_1934      JUNCT_1820      477.532   0.02      0
0         0         0
1934_SPLIT      JUNCT_1934      JUNCT_1631      148.342   0.02      6.3
0         0         0
1935            JUNCT_1935      JUNCT_1934      393.288   0.02      0
0         0         0
;waiting on survey update
1935_OFL        JUNCT_1935      JUNCT_1934      393.288   0.02      5.71
6.3       0         0
1943            JUNCT_1943      JUNCT_1935      302.851   0.02      0
0         0         0
1943_OFL        JUNCT_1943      JUNCT_1935      302.851   0.02      5.85
0.959     0         0
1944            JUNCT_1944      JUNCT_1943      714.546   0.02      0
0         0         0
1944_OFL        JUNCT_1944      JUNCT_1943      714.546   0.02      11.52
5.85      0         0
;size and slope from S-S Central Englewood AB's
1945            JUNCT_1945      JUNCT_1944      569.847   0.02      0
0         0         0
1945_OFL        JUNCT_1945      JUNCT_1944      569.847   0.02      5.85
11.52     0         0
;size and slope from S-S Central Englewood AB's
1945-1          JUNCT_1945-1    JUNCT_1945      636.238   0.02      0
0         0         0
;size and slope from S-S Central Englewood AB's
1946            JUNCT_1946      JUNCT_1945-1    417.952   0.02      0
0         0         0
1946_SPLIT      JUNCT_1946      JUNCT_1945      815.251   0.06      1.2
5.85      0         0
;size and slope from S-S Central Englewood AB's
1947            JUNCT_1947      JUNCT_1946      244.934   0.02      0
0         0         0
1947_OFL        JUNCT_1947      JUNCT_1946      244.934   0.02      7.79
1.2       0         0
;size and slope from S-S Central Englewood AB's
1948            JUNCT_1948      JUNCT_1947      349.118   0.02      0
0         0         0
1948_SPLIT      JUNCT_1948      JUNCT_1946      424.99    0.06      1.92
1.2       0         0
;size and slope from S-S Central Englewood AB's
1949            JUNCT_1949      JUNCT_1949-1    351.277   0.02      0
0         0         0
1949_OFL        JUNCT_1949      JUNCT_1949-1    351.277   0.02      8.09
7.6       0         0
;size and slope from S-S Central Englewood AB's
1949-1          JUNCT_1949-1    JUNCT_1948      323.28    0.02      0
0         0         0
1949-1_OFL      JUNCT_1949-1    JUNCT_1948      323.28    0.02      7.6
1.92      0         0
1950            JUNCT_1950      JUNCT_1949      348.383   0.02      0
0         0         0
1950_OFL        JUNCT_1950      JUNCT_1949      348.383   0.02      2.46
0         0         0
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1951            JUNCT_1951      JUNCT_1950      297.416   0.02      0
0         0         0
1951_OFL        JUNCT_1951      JUNCT_1950      297.416   0.02      3.75
2.46      0         0
1952            JUNCT_1952      JUNCT_1951      313.817   0.02      0
0         0         0
1952_OFL        JUNCT_1952      JUNCT_1951      313.817   0.02      8.08
3.75      0         0
;size and slope from S-S Central Englewood AB's
1953            JUNCT_1953      JUNCT_1952      499.344   0.02      0
0         0         0
1953_SPLIT      JUNCT_1953      JUNCT_1950      806.239   0.06      3.3
2.46      0         0
;size and slope from S-S Central Englewood AB's
1954            JUNCT_1954      JUNCT_1953      190.59    0.02      0
0         0         0
1954_OFL        JUNCT_1954      JUNCT_1953      190.59    0.02      3.26
3.3       0         0
;size and slope from S-S Central Englewood AB's
1955            JUNCT_1955      JUNCT_1954      332.27    0.02      0
0         0         0
1955_OFL        JUNCT_1955      JUNCT_1954      332.27    0.02      2.6
3.26      0         0
1956            JUNCT_1956      JUNCT_1955      376.598   0.02      0
0         0         0
1957            JUNCT_1957      JUNCT_1956      444.148   0.06      0
0         0         0
1958            JUNCT_1958      JUNCT_1957      667.371   0.02      0
0         0         0
1959            JUNCT_1959      JUNCT_1958      973.567   0.02      0
0         0         0
1960            JUNCT_1960      JUNCT_1959      371.641   0.02      0
0         0         0
DUMMY_1059      JUNCT_1059      OTF_1059        100       0.01      0
0         0         0
DUMMY_1148      JUNCT_1148      OTF_1148        100       0.01      0
0         0         0
DUMMY_140       140             JUNCT_1140      100       0.01      0
0         0         0
DUMMY_1406      JUNCT_1406      OTF_1406        100       0.01      0
0         0         0
DUMMY_1420      JUNCT_1420      OTF_1420        100       0.01      0
0         0         0
DUMMY_1435      JUNCT_1435      POND_1435       100       0.01      0
0         0         0
DUMMY_145       145             JUNCT_1145      100       0.01      0
0         0         0
DUMMY_150       150             JUNCT_1148      100       0.01      0
0         0         0
DUMMY_1504      JUNCT_1504      OTF_1504        100       0.01      0
0         0         0
DUMMY_155       155             JUNCT_1155      100       0.01      0
0         0         0
DUMMY_1598      JUNCT_1598      OTF_1598        100       0.01      0
0         0         0
DUMMY_160       160             JUNCT_1160      100       0.01      0
0         0         0
DUMMY_165       165             JUNCT_1155      100       0.01      0
0         0         0
DUMMY_1698      JUNCT_1705      OTF_1698        100       0.01      0
0         0         0
DUMMY_170       170             JUNCT_1170      100       0.01      0
0         0         0
DUMMY_1800      JUNCT_1800      OTF_1800        100       0.01      0
0         0         0
DUMMY_1819      JUNCT_1820      JUNCT_1819      100       0.01      0
0         0         0
DUMMY_1849      JUNCT_1849      POND_1835       100       0.01      0
0         0         0
DUMMY_410       410             JUNCT_1410      100       0.01      0
0         0         0
DUMMY_415       415             JUNCT_1415      100       0.01      0
0         0         0
DUMMY_420       420             JUNCT_1420      100       0.01      0
0         0         0
DUMMY_425       425             JUNCT_1425      100       0.01      0
0         0         0
DUMMY_430       430             JUNCT_1430      100       0.01      0
0         0         0
DUMMY_435       435             JUNCT_1435      100       0.01      0
0         0         0
DUMMY_440       440             JUNCT_1440      100       0.01      0
0         0         0
DUMMY_505       505             JUNCT_1505      100       0.01      0
0         0         0
DUMMY_510       510             JUNCT_1510      100       0.01      0
0         0         0
DUMMY_515       515             JUNCT_1515      100       0.01      0
0         0         0
DUMMY_520       520             JUNCT_1520      100       0.01      0
0         0         0
DUMMY_521       521             JUNCT_1521      100       0.01      0
0         0         0
DUMMY_525       525             JUNCT_1525      100       0.01      0
0         0         0
DUMMY_526       526             JUNCT_1526      100       0.01      0
0         0         0
DUMMY_530       530             JUNCT_1530      100       0.01      0
0         0         0
DUMMY_535       535             JUNCT_1535      100       0.01      0
```

```
0          0          0
DUMMY_56         56               JUNCT_1061       100        0.01       0
0          0          0
DUMMY_60         60               JUNCT_1060       100        0.01       0
0          0          0
DUMMY_600        600              JUNCT_1600       100        0.01       0
0          0          0
DUMMY_605        605              JUNCT_1605       100        0.01       0
0          0          0
DUMMY_61         61               JUNCT_1061       100        0.01       0
0          0          0
DUMMY_610        610              JUNCT_1610       100        0.01       0
0          0          0
DUMMY_615        615              JUNCT_1615       100        0.01       0
0          0          0
DUMMY_620        620              JUNCT_1620       100        0.01       0
0          0          0
DUMMY_625        625              JUNCT_1625       100        0.01       0
0          0          0
DUMMY_630        630              JUNCT_1630       100        0.01       0
0          0          0
DUMMY_700        700              JUNCT_1700       100        0.01       0
0          0          0
DUMMY_705        705              JUNCT_1705       100        0.01       0
0          0          0
DUMMY_710        710              JUNCT_1710       100        0.01       0
0          0          0
DUMMY_715        715              JUNCT_1715       100        0.01       0
0          0          0
DUMMY_720        720              JUNCT_1720       100        0.01       0
0          0          0
DUMMY_800        800              JUNCT_1800       100        0.01       0
0          0          0
DUMMY_815        815              JUNCT_1815       100        0.01       0
0          0          0
DUMMY_820        820              JUNCT_1820       100        0.01       0
0          0          0
DUMMY_825        825              JUNCT_1825       100        0.01       0
0          0          0
DUMMY_830        830              JUNCT_1830       100        0.01       0
0          0          0
DUMMY_835        835              POND_1835        100        0.01       0
0          0          0
DUMMY_840        840              JUNCT_1840       100        0.01       0
0          0          0
DUMMY_845        845              JUNCT_1845       100        0.01       0
0          0          0
DUMMY_850        850              JUNCT_1845       100        0.01       0
0          0          0
DUMMY_855        855              JUNCT_1855       100        0.01       0
0          0          0
DUMMY_860        860              JUNCT_1860       100        0.01       0
0          0          0
DUMMY_865        865              JUNCT_1870       100        0.01       0
0          0          0
DUMMY_870        870              JUNCT_1870       100        0.01       0
0          0          0
DUMMY_875        875              JUNCT_1875       100        0.01       0
0          0          0
DUMMY_880        880              JUNCT_1880       100        0.01       0
0          0          0
DUMMY_885        885              JUNCT_1885       100        0.01       0
0          0          0
DUMMY_890        890              JUNCT_1890       100        0.01       0
0          0          0
DUMMY_895        895              JUNCT_1895       100        0.01       0
0          0          0
DUMMY_900        900              JUNCT_1900       100        0.01       0
0          0          0
DUMMY_905        905              JUNCT_1905       100        0.01       0
0          0          0
DUMMY_910        910              JUNCT_1910       100        0.01       0
0          0          0
DUMMY_915        915              JUNCT_1900       100        0.01       0
0          0          0
DUMMY_920        920              JUNCT_1920       100        0.01       0
0          0          0
DUMMY_925        925              JUNCT_1925       100        0.01       0
0          0          0
DUMMY_930        930              JUNCT_1930       100        0.01       0
0          0          0
DUMMY_935        935              JUNCT_1935       100        0.01       0
0          0          0
DUMMY_940        940              JUNCT_1945       100        0.01       0
0          0          0
DUMMY_949        945              JUNCT_1945       100        0.01       0
0          0          0
DUMMY_950        950              JUNCT_1950       100        0.01       0
0          0          0
DUMMY_955        955              JUNCT_1955       100        0.01       0
0          0          0
DUMMY_960        960              JUNCT_1960       100        0.01       0
0          0          0

[OUTLETS]
;;Name           From Node        To Node          Offset     Type
QTable/Qcoeff    Qexpon     Gated
;;-------------- ---------------- ---------------- ---------- ----------
---------------- ---------- --------
POND_1435_OUT    POND_1435        JUNCT_1434       0          TABULAR/DEPTH
```

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802-Out                    NO
POND_1835_OUT    POND_1835        JUNCT_1834       0          TABULAR/DEPTH
800-Out                    NO

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4
Barrels    Culvert
;;-------------- ------------ ---------------- ---------- ---------- ----------
---------- ----------
1060             RECT_CLOSED  5                7          0          0          2

1060_SPLIT       TRAPEZOIDAL  5                52         15         15         1

1061             RECT_CLOSED  5                7          0          0          2

1061_OFL         TRAPEZOIDAL  5                90         15         15         1

1139             RECT_CLOSED  4.58             6.08       0          0          1

1139_OFL         IRREGULAR    CollectorStreet  0          0          0          1

1140             CIRCULAR     4                0          0          0          1

1140_OFL         IRREGULAR    CollectorStreet  0          0          0          1

1145             CIRCULAR     3.5              0          0          0          1

1145_OFL         IRREGULAR    CollectorStreet  0          0          0          1

1148-1           RECT_CLOSED  4.58             6.08       0          0          1

1148-1_OFL       IRREGULAR    CollectorStreet  0          0          0          1

1155             TRAPEZOIDAL  10               10         15         15         1

1160             TRAPEZOIDAL  10               10         15         15         1

1170             TRAPEZOIDAL  10               10         15         15         1

1407             CIRCULAR     3                0          0          0          1

1408             CIRCULAR     3                0          0          0          1

1409             CIRCULAR     3                0          0          0          1

1409_SPLIT       TRAPEZOIDAL  10               70         15         15         1

1410             CIRCULAR     3                0          0          0          1

1410_SPLIT       TRAPEZOIDAL  10               10         15         15         1

1413             CIRCULAR     6                0          0          0          1

1413_OFL         IRREGULAR    LocalStreet      0          0          0          1

1414             CIRCULAR     6                0          0          0          1

1414_SPLIT       IRREGULAR    LocalStreet      0          0          0          1

1415             CIRCULAR     6                0          0          0          1

1415-1           CIRCULAR     6                0          0          0          1

1422_1           CIRCULAR     6                0          0          0          1

1423             CIRCULAR     6                0          0          0          1

1424             CIRCULAR     6                0          0          0          1

1424-1           CIRCULAR     4                0          0          0          1

1425_1           CIRCULAR     4                0          0          0          1

1425_OFL         TRAPEZOIDAL  5                80         15         15         1

1429             IRREGULAR    LocalStreet      0          0          0          1

1430             CIRCULAR     3                0          0          0          1

1430_SPLIT       IRREGULAR    LocalStreet      0          0          0          1

1432             CIRCULAR     3                0          0          0          1

1432_OFL         IRREGULAR    LocalStreet      0          0          0          1

1432-1           CIRCULAR     2                0          0          0          1

1432-1_OFL       IRREGULAR    LocalStreet      0          0          0          1

1432-2           CIRCULAR     2                0          0          0          1

1432-2_OFL       IRREGULAR    LocalStreet      0          0          0          1

1432-3           CIRCULAR     2                0          0          0          1

1432-3_OFL       IRREGULAR    LocalStreet      0          0          0          1

1433             CIRCULAR     2                0          0          0          1

1433_OFL         IRREGULAR    LocalStreet      0          0          0          1
```

1434	CIRCULAR	1.25	0	0	0	1	1518	CIRCULAR	3	0	0	0	1
1434_OFL	IRREGULAR	LocalStreet	0	0	0	1	1518_OFL	IRREGULAR	CollectorStreet	0	0	0	1
1434-1	CIRCULAR	3.5	0	0	0	1	1519	RECT_CLOSED	2.42	3.75	0	0	1
1436	CIRCULAR	3.5	0	0	0	1	1519_OFL	IRREGULAR	CollectorStreet	0	0	0	1
1437	CIRCULAR	3.5	0	0	0	1	1520	CIRCULAR	3	0	0	0	1
1438	CIRCULAR	3	0	0	0	1	1520_OFL	IRREGULAR	CollectorStreet	0	0	0	1
1438_OFL	TRAPEZOIDAL	10	10	15	15	1	1521	IRREGULAR	CollectorStreet	0	0	0	1
1439	CIRCULAR	2.5	0	0	0	1	1525	CIRCULAR	5.5	0	0	0	1
1439_OFL	IRREGULAR	LocalStreet	0	0	0	1	1525_SPLIT	TRAPEZOIDAL	5	85	15	15	1
1440	CIRCULAR	2.5	0	0	0	1	1526	IRREGULAR	LocalStreet	0	0	0	1
1440_OFL	IRREGULAR	LocalStreet	0	0	0	1	1526-1	TRAPEZOIDAL	5	85	15	15	1
1505	CIRCULAR	5.5	0	0	0	1	1529	CIRCULAR	4	0	0	0	1
1505_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1529_OFL	IRREGULAR	LocalStreet	0	0	0	1
1509	IRREGULAR	CollectorStreet	0	0	0	1	1530	CIRCULAR	3	0	0	0	1
1510	IRREGULAR	CollectorStreet	0	0	0	1	1530_OFL	IRREGULAR	LocalStreet	0	0	0	1
1515	CIRCULAR	5.5	0	0	0	1	1535	IRREGULAR	LocalStreet	0	0	0	1
1515_OFL	TRAPEZOIDAL	5	85	15	15	1	1599	CIRCULAR	7	0	0	0	1
1515-1	CIRCULAR	3.5	0	0	0	1	1599_OFL	TRAPEZOIDAL	10	100	15	15	1
1515-1_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1600	CIRCULAR	7	0	0	0	1
1515-2	CIRCULAR	3	0	0	0	1	1600_OFL	TRAPEZOIDAL	15	100	15	15	1
1515-2_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1605	CIRCULAR	6	0	0	0	1
1516	CIRCULAR	3.5	0	0	0	1	1605_OFL	TRAPEZOIDAL	15	100	15	15	1
1516_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1610	TRAPEZOIDAL	5	100	15	15	1
1517	CIRCULAR	3.5	0	0	0	1	1615	CIRCULAR	4	0	0	0	1
1517_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1615_OFL	TRAPEZOIDAL	10	10	15	15	1

1618	CIRCULAR	3	0	0	0	1	1720	IRREGULAR	LocalStreet	0	0	0	1
1618_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1815	CIRCULAR	7.66	0	0	0	1
1619	CIRCULAR	3	0	0	0	1	1815_OFL	IRREGULAR	OxfordAvenue	0	0	0	1
1619_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1817	CIRCULAR	7.66	0	0	0	1
1620	CIRCULAR	3	0	0	0	1	1817_OFL	IRREGULAR	OxfordAvenue	0	0	0	1
1620_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1818	CIRCULAR	6.5	0	0	0	1
1624	IRREGULAR	LocalStreet	0	0	0	1	1818_OFL	IRREGULAR	OxfordAvenue	0	0	0	1
1625	IRREGULAR	LocalStreet	0	0	0	1	1819	CIRCULAR	6.5	0	0	0	1
1630	IRREGULAR	CollectorStreet	0	0	0	1	1819_OFL	TRAPEZOIDAL	10	10	15	15	1
1631	IRREGULAR	CollectorStreet	0	0	0	1	1820_OFL	TRAPEZOIDAL	10	10	15	15	1
1699	RECT_CLOSED	5	8	0	0	1	1823	CIRCULAR	7	0	0	0	1
1699_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1823_OFL	IRREGULAR	LocalStreet	0	0	0	1
1700	CIRCULAR	6	0	0	0	1	1824	CIRCULAR	7	0	0	0	1
1700_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1824_OFL	TRAPEZOIDAL	10	10	15	15	1
1707	CIRCULAR	6	0	0	0	1	1825	CIRCULAR	7	0	0	0	1
1707_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1825_OFL	IRREGULAR	LocalStreet	0	0	0	1
1708	CIRCULAR	6	0	0	0	1	1830	IRREGULAR	LocalStreet	0	0	0	1
1708_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1831	CIRCULAR	7	0	0	0	1
1709	CIRCULAR	6	0	0	0	1	1831_OFL	TRAPEZOIDAL	10	10	15	15	1
1709_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1831-1	CIRCULAR	7	0	0	0	1
1710	CIRCULAR	4	0	0	0	1	1831-1_OFL	IRREGULAR	CollectorStreet	0	0	0	1
1710_SPLIT	TRAPEZOIDAL	5	80	15	15	1	1832	CIRCULAR	6.3	0	0	0	1
1715	TRAPEZOIDAL	10	10	15	15	1	1832_OFL	IRREGULAR	LocalStreet	0	0	0	1
1718	TRAPEZOIDAL	10	10	15	15	1	1833	CIRCULAR	5	0	0	0	1
1719	IRREGULAR	LocalStreet	0	0	0	1	1833_OFL	IRREGULAR	LocalStreet	0	0	0	1

1834	CIRCULAR	4	0	0	0	1	1880	CIRCULAR	3	0	0	0	1
1834_OFL	IRREGULAR	LocalStreet	0	0	0	1	1880_OFL	IRREGULAR	LocalStreet	0	0	0	1
1840	TRAPEZOIDAL	10	10	15	15	1	1882	CIRCULAR	4.5	0	0	0	1
1845	TRAPEZOIDAL	10	10	15	15	1	1882_OFL	TRAPEZOIDAL	5	80	15	15	1
1854	TRAPEZOIDAL	10	10	15	15	1	1883	CIRCULAR	4.5	0	0	0	1
1855	TRAPEZOIDAL	10	10	15	15	1	1883_OFL	IRREGULAR	LocalStreet	0	0	0	1
1857	TRAPEZOIDAL	10	10	15	15	1	1883-1_SPLIT	TRAPEZOIDAL	10	10	15	15	1
1858	CIRCULAR	6.33	0	0	0	1	1884	CIRCULAR	4.5	0	0	0	1
1858_OFL	TRAPEZOIDAL	10	10	15	15	1	1884-1_SPLIT	TRAPEZOIDAL	10	10	15	15	1
1859	CIRCULAR	6.33	0	0	0	1	1885	CIRCULAR	4	0	0	0	1
1860	CIRCULAR	6.33	0	0	0	1	1885_SPLIT	TRAPEZOIDAL	10	10	15	15	1
1860_SPLIT	TRAPEZOIDAL	10	10	15	15	1	1890	CIRCULAR	4.5	0	0	0	1
1867	CIRCULAR	5	0	0	0	1	1890_OFL	IRREGULAR	LocalStreet	0	0	0	1
1867_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1894	CIRCULAR	4	0	0	0	1
1868	CIRCULAR	6.33	0	0	0	1	1894_SPLIT	TRAPEZOIDAL	10	10	15	15	1
1868_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1897	CIRCULAR	4	0	0	0	1
1868-1_SPLIT	IRREGULAR	LocalStreet	0	0	0	1	1898	CIRCULAR	3	0	0	0	1
1869	CIRCULAR	5	0	0	0	1	1898_SPLIT	TRAPEZOIDAL	10	10	15	15	1
1869_OFL	IRREGULAR	CollectorStreet	0	0	0	1	1899	CIRCULAR	4	0	0	0	1
1869-1_SPLIT	TRAPEZOIDAL	10	10	15	15	1	1899_OFL	IRREGULAR	LocalStreet	0	0	0	1
1870	CIRCULAR	5	0	0	0	1	1900	CIRCULAR	3.5	0	0	0	1
1870_SPLIT	TRAPEZOIDAL	10	10	15	15	1	1900_OFL	IRREGULAR	LocalStreet	0	0	0	1
1875	TRAPEZOIDAL	5	80	15	15	1	1905	TRAPEZOIDAL	10	10	15	15	1
1879	CIRCULAR	3.5	0	0	0	1	1910	TRAPEZOIDAL	10	10	15	15	1
1879_SPLIT	TRAPEZOIDAL	10	10	15	15	1	1920	IRREGULAR	LocalStreet	0	0	0	1

1925	TRAPEZOIDAL	10	10	15	15	1	1951	HORIZ_ELLIPSE	9	0	0	0	1
1930	IRREGULAR	LocalStreet	0	0	0	1	1951_OFL	IRREGULAR	LocalStreet	0	0	0	1
1934	CIRCULAR	6.3	0	0	0	1	1952	CIRCULAR	3.5	0	0	0	1
1934_SPLIT	IRREGULAR	CollectorStreet	0	0	0	1	1952_OFL	IRREGULAR	LocalStreet	0	0	0	1
1935	CIRCULAR	5	0	0	0	1	1953	CIRCULAR	3.5	0	0	0	1
1935_OFL	IRREGULAR	LocalStreet	0	0	0	1	1953_SPLIT	TRAPEZOIDAL	10	10	15	15	1
1943	CIRCULAR	5	0	0	0	1	1954	CIRCULAR	3.5	0	0	0	1
1943_OFL	IRREGULAR	OxfordAvenue	0	0	0	1	1954_OFL	IRREGULAR	LocalStreet	0	0	0	1
1944	CIRCULAR	5	0	0	0	1	1955	CIRCULAR	3	0	0	0	1
1944_OFL	IRREGULAR	OxfordAvenue	0	0	0	1	1955_OFL	IRREGULAR	CollectorStreet	0	0	0	1
1945	CIRCULAR	4.5	0	0	0	1	1956	IRREGULAR	CollectorStreet	0	0	0	1
1945_OFL	IRREGULAR	OxfordAvenue	0	0	0	1	1957	TRAPEZOIDAL	10	10	15	15	1
1945-1	CIRCULAR	4	0	0	0	1	1958	IRREGULAR	LocalStreet	0	0	0	1
1946	CIRCULAR	4	0	0	0	1	1959	IRREGULAR	LocalStreet	0	0	0	1
1946_SPLIT	TRAPEZOIDAL	10	10	15	15	1	1960	IRREGULAR	LocalStreet	0	0	0	1
1947	CIRCULAR	3.5	0	0	0	1	DUMMY_1059	DUMMY	0	0	0	0	1
1947_OFL	IRREGULAR	LocalStreet	0	0	0	1	DUMMY_1148	DUMMY	0	0	0	0	1
1948	CIRCULAR	3.5	0	0	0	1	DUMMY_140	DUMMY	0	0	0	0	1
1948_SPLIT	TRAPEZOIDAL	10	10	15	15	1	DUMMY_1406	DUMMY	0	0	0	0	1
1949	HORIZ_ELLIPSE	9	0	0	0	1	DUMMY_1420	DUMMY	0	0	0	0	1
1949_OFL	IRREGULAR	LocalStreet	0	0	0	1	DUMMY_1435	DUMMY	0	0	0	0	1
1949-1	CIRCULAR	3.5	0	0	0	1	DUMMY_145	DUMMY	0	0	0	0	1
1949-1_OFL	IRREGULAR	LocalStreet	0	0	0	1	DUMMY_150	DUMMY	0	0	0	0	1
1950	HORIZ_ELLIPSE	9	0	0	0	1	DUMMY_1504	DUMMY	0	0	0	0	1
1950_OFL	TRAPEZOIDAL	10	10	15	15	1	DUMMY_155	DUMMY	0	0	0	0	1

DUMMY_1598	DUMMY	0	0	0	0	1	DUMMY_60	DUMMY	0	0	0	0	1
DUMMY_160	DUMMY	0	0	0	0	1	DUMMY_600	DUMMY	0	0	0	0	1
DUMMY_165	DUMMY	0	0	0	0	1	DUMMY_605	DUMMY	0	0	0	0	1
DUMMY_1698	DUMMY	0	0	0	0	1	DUMMY_61	DUMMY	0	0	0	0	1
DUMMY_170	DUMMY	0	0	0	0	1	DUMMY_610	DUMMY	0	0	0	0	1
DUMMY_1800	DUMMY	0	0	0	0	1	DUMMY_615	DUMMY	0	0	0	0	1
DUMMY_1819	DUMMY	0	0	0	0	1	DUMMY_620	DUMMY	0	0	0	0	1
DUMMY_1849	DUMMY	0	0	0	0	1	DUMMY_625	DUMMY	0	0	0	0	1
DUMMY_410	DUMMY	0	0	0	0	1	DUMMY_630	DUMMY	0	0	0	0	1
DUMMY_415	DUMMY	0	0	0	0	1	DUMMY_700	DUMMY	0	0	0	0	1
DUMMY_420	DUMMY	0	0	0	0	1	DUMMY_705	DUMMY	0	0	0	0	1
DUMMY_425	DUMMY	0	0	0	0	1	DUMMY_710	DUMMY	0	0	0	0	1
DUMMY_430	DUMMY	0	0	0	0	1	DUMMY_715	DUMMY	0	0	0	0	1
DUMMY_435	DUMMY	0	0	0	0	1	DUMMY_720	DUMMY	0	0	0	0	1
DUMMY_440	DUMMY	0	0	0	0	1	DUMMY_800	DUMMY	0	0	0	0	1
DUMMY_505	DUMMY	0	0	0	0	1	DUMMY_815	DUMMY	0	0	0	0	1
DUMMY_510	DUMMY	0	0	0	0	1	DUMMY_820	DUMMY	0	0	0	0	1
DUMMY_515	DUMMY	0	0	0	0	1	DUMMY_825	DUMMY	0	0	0	0	1
DUMMY_520	DUMMY	0	0	0	0	1	DUMMY_830	DUMMY	0	0	0	0	1
DUMMY_521	DUMMY	0	0	0	0	1	DUMMY_835	DUMMY	0	0	0	0	1
DUMMY_525	DUMMY	0	0	0	0	1	DUMMY_840	DUMMY	0	0	0	0	1
DUMMY_526	DUMMY	0	0	0	0	1	DUMMY_845	DUMMY	0	0	0	0	1
DUMMY_530	DUMMY	0	0	0	0	1	DUMMY_850	DUMMY	0	0	0	0	1
DUMMY_535	DUMMY	0	0	0	0	1	DUMMY_855	DUMMY	0	0	0	0	1
DUMMY_56	DUMMY	0	0	0	0	1	DUMMY_860	DUMMY	0	0	0	0	1

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DUMMY_865        DUMMY        0              0          0          0          1
DUMMY_870        DUMMY        0              0          0          0          1
DUMMY_875        DUMMY        0              0          0          0          1
DUMMY_880        DUMMY        0              0          0          0          1
DUMMY_885        DUMMY        0              0          0          0          1
DUMMY_890        DUMMY        0              0          0          0          1
DUMMY_895        DUMMY        0              0          0          0          1
DUMMY_900        DUMMY        0              0          0          0          1
DUMMY_905        DUMMY        0              0          0          0          1
DUMMY_910        DUMMY        0              0          0          0          1
DUMMY_915        DUMMY        0              0          0          0          1
DUMMY_920        DUMMY        0              0          0          0          1
DUMMY_925        DUMMY        0              0          0          0          1
DUMMY_930        DUMMY        0              0          0          0          1
DUMMY_935        DUMMY        0              0          0          0          1
DUMMY_940        DUMMY        0              0          0          0          1
DUMMY_949        DUMMY        0              0          0          0          1
DUMMY_950        DUMMY        0              0          0          0          1
DUMMY_955        DUMMY        0              0          0          0          1
DUMMY_960        DUMMY        0              0          0          0          1


[TRANSECTS]
;;Transect Data in HEC-2 format
;
NC 0.035    0.035    0.02
X1 ArterialStreet    11       125      200      0.0      0.0      0.0      0
0.0
GR 19.2     0        0.45     125      0.33     130.375  0        130.5    0
132.5
GR 0.6      162.5    0        192.5    0        194.5    0.33     194.6    0.45
200
GR 19.2     325
;
;Full street, width = 42ft, vertical curb&gutter, curb = 0.5ft , cross-slope =
0.02ft/ft,  sidewalk width = 6ft, ROW = 64ft
NC 0.035    0.035    0.02
X1 CollectorStreet   11       70       125      0.0      0.0      0.0      0.0
0.0
GR 10.97    0        0.47     70       0.33     76.375   0        76.5     0
78.5
GR 0.38     97.5     0        116.5    0        118.5    0.33     118.625  0.47
125
GR 10.97    195
;
;Full street, width = 36ft, curb walk II (6-7"), curb = 0.5ft , cross-slope =
0.02ft/ft,  sidewalk width = 4ft, ROW = 50ft
NC 0.035    0.035    0.02
X1 LocalStreet       11       66       111      0.0      0.0      0.0      0.0
0.0
GR 10.31    0        0.41     66       0.17     70       0        71       0
73
GR 0.32     89       0        105      0        107      0.17     107      0.41
111
GR 10.31    177
;
;Full street, width = 60ft
NC 0.035    0.035    0.02
X1 OxfordAvenue      11       125      196      0.0      0.0      0.0      0.0
0.0
GR 19.2     0        0.45     125      0.33     130.375  0        130.5    0
132.5
GR 0.56     160.5    0        188.5    0        190.5    0.33     190.625  0.45
196
GR 19.2     321

[LOSSES]
;;Link           Kentry     Kexit      Kavg       Flap Gate  Seepage
;;-------------- ---------- ---------- ---------- ---------- ----------

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
50:50            Diversion  0          0
50:50                       10000      5000

;Diversion 950 to Link 996
Div950           Diversion  0          0
Div950                      80         0
Div950                      170        0
```

```
Div950                      600        430

;Diversion 951 to Link 997
Div951           Diversion  0          0
Div951                      80         0
Div951                      160        0
Div951                      600        440

;Diversion 952 to Link 998
Div952           Diversion  0          0
Div952                      70         0
Div952                      150        0
Div952                      600        450

;Diversion to Link 999
Div953           Diversion  0          0
Div953                      60         0
Div953                      130        0
Div953                      600        470

800-Out          Rating     0          0
800-Out                     0.6        3
800-Out                     1.1        8
800-Out                     2.1        26
800-Out                     3.1        53
800-Out                     4.1        87
800-Out                     5.1        106
800-Out                     6.1        122
800-Out                     7.1        136
800-Out                     7.6        143
800-Out                     8.6        155
800-Out                     8.8        158
800-Out                     10.3       476
800-Out                     12.5       2500

802-Out          Rating     0          0
802-Out                     0.9        11
802-Out                     1.4        26
802-Out                     2.3        37
802-Out                     3.7        46
802-Out                     4.3        105
802-Out                     4.7        183
802-Out                     8.3        2382

;Detention Pond 800
800-Sto          Storage    0          1.4
800-Sto                     0.6        141.8
800-Sto                     1.1        235.2
800-Sto                     2.1        981.8
800-Sto                     3.1        11350.3
800-Sto                     4.1        25837.8
800-Sto                     5.1        38464
800-Sto                     6.1        50080.5
800-Sto                     7.1        56553
800-Sto                     7.6        58703.7
800-Sto                     8.6        62958.4
800-Sto                     8.8        63829.2
800-Sto                     10.3       75854.8
800-Sto                     12.5       105000

;Detention Pond 802
802-Sto          Storage    0          0.8
802-Sto                     0.9        850.6
802-Sto                     1.4        16910
802-Sto                     2.3        42835.3
802-Sto                     3.7        75291.3
802-Sto                     4.3        89037.3
802-Sto                     4.7        96471
802-Sto                     8.3        200000

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Total inflow (cfs)
560              01/01/2005 00:05:00   0
560              01/01/2005 00:10:00   0
560              01/01/2005 00:15:00   0
560              01/01/2005 00:20:00   0
560              01/01/2005 00:25:00   0.0691015
560              01/01/2005 00:30:00   28.74916
560              01/01/2005 00:35:00   150.9601
560              01/01/2005 00:40:00   309.8603
560              01/01/2005 00:45:00   392.3415
560              01/01/2005 00:50:00   703.6649
560              01/01/2005 00:55:00   948.9905
560              01/01/2005 01:00:00   1175.254
560              01/01/2005 01:05:00   1525.916
560              01/01/2005 01:10:00   1759.652
560              01/01/2005 01:15:00   1739.327
560              01/01/2005 01:20:00   1656.5
560              01/01/2005 01:25:00   1566.698
560              01/01/2005 01:30:00   1450.181
560              01/01/2005 01:35:00   1335.192
560              01/01/2005 01:40:00   1218.076
560              01/01/2005 01:45:00   1101.745
560              01/01/2005 01:50:00   998.2057
560              01/01/2005 01:55:00   897.3831
560              01/01/2005 02:00:00   805.007
560              01/01/2005 02:05:00   735.3483
560              01/01/2005 02:10:00   684.9124
```

```
560             01/01/2005 02:15:00   645.6118
560             01/01/2005 02:20:00   598.4822
560             01/01/2005 02:25:00   542.5649
560             01/01/2005 02:30:00   489.1948
560             01/01/2005 02:35:00   439.438
560             01/01/2005 02:40:00   424.3938
560             01/01/2005 02:45:00   351.0685
560             01/01/2005 02:50:00   251.6527
560             01/01/2005 02:55:00   228.7437
560             01/01/2005 03:00:00   210.6304
560             01/01/2005 03:05:00   192.0635
560             01/01/2005 03:10:00   176.4583
560             01/01/2005 03:15:00   161.783
560             01/01/2005 03:20:00   147.9274
560             01/01/2005 03:25:00   134.5863
560             01/01/2005 03:30:00   120.5401
560             01/01/2005 03:35:00   103.7251
560             01/01/2005 03:40:00   82.67969
560             01/01/2005 03:45:00   59.4959
560             01/01/2005 03:50:00   40.33857
560             01/01/2005 03:55:00   27.00429
560             01/01/2005 04:00:00   19.62977
560             01/01/2005 04:05:00   16.20029
560             01/01/2005 04:10:00   14.26188
560             01/01/2005 04:15:00   12.106
560             01/01/2005 04:20:00   9.875033
560             01/01/2005 04:25:00   8.226797
560             01/01/2005 04:30:00   7.471535
560             01/01/2005 04:35:00   6.290483
560             01/01/2005 04:40:00   5.079481
560             01/01/2005 04:45:00   4.318779
560             01/01/2005 04:50:00   3.834937
560             01/01/2005 04:55:00   3.438119
560             01/01/2005 05:00:00   3.030663

;Total inflow (cfs)
561             01/01/2005 00:05:00   0
561             01/01/2005 00:10:00   0
561             01/01/2005 00:15:00   0.0211627
561             01/01/2005 00:20:00   8.932228
561             01/01/2005 00:25:00   47.79157
561             01/01/2005 00:30:00   165.8856
561             01/01/2005 00:35:00   466.7699
561             01/01/2005 00:40:00   761.7557
561             01/01/2005 00:45:00   937.8801
561             01/01/2005 00:50:00   1016.238
561             01/01/2005 00:55:00   1313.655
561             01/01/2005 01:00:00   1751.298
561             01/01/2005 01:05:00   1787.449
561             01/01/2005 01:10:00   1706.461
561             01/01/2005 01:15:00   1641.1
561             01/01/2005 01:20:00   1520.309
561             01/01/2005 01:25:00   1398.059
561             01/01/2005 01:30:00   1287.859
561             01/01/2005 01:35:00   1145.088
561             01/01/2005 01:40:00   1043.56
561             01/01/2005 01:45:00   931.4133
561             01/01/2005 01:50:00   818.4435
561             01/01/2005 01:55:00   741.7003
561             01/01/2005 02:00:00   680.2185
561             01/01/2005 02:05:00   654.8033
561             01/01/2005 02:10:00   599.596
561             01/01/2005 02:15:00   532.3234
561             01/01/2005 02:20:00   468.0477
561             01/01/2005 02:25:00   402.2514
561             01/01/2005 02:30:00   343.5609
561             01/01/2005 02:35:00   284.0636
561             01/01/2005 02:40:00   240.8596
561             01/01/2005 02:45:00   220.2143
561             01/01/2005 02:50:00   211.5339
561             01/01/2005 02:55:00   198.5218
561             01/01/2005 03:00:00   183.2732
561             01/01/2005 03:05:00   170.4483
561             01/01/2005 03:10:00   156.7728
561             01/01/2005 03:15:00   144.0549
561             01/01/2005 03:20:00   131.4276
561             01/01/2005 03:25:00   117.6795
561             01/01/2005 03:30:00   100.8218
561             01/01/2005 03:35:00   76.57185
561             01/01/2005 03:40:00   50.38301
561             01/01/2005 03:45:00   29.86458
561             01/01/2005 03:50:00   18.88326
561             01/01/2005 03:55:00   15.61104
561             01/01/2005 04:00:00   14.40905
561             01/01/2005 04:05:00   11.84665
561             01/01/2005 04:10:00   8.689832
561             01/01/2005 04:15:00   7.861816
561             01/01/2005 04:20:00   7.242485
561             01/01/2005 04:25:00   5.657553
561             01/01/2005 04:30:00   4.316545
561             01/01/2005 04:35:00   3.67662
561             01/01/2005 04:40:00   3.351231
561             01/01/2005 04:45:00   2.946733
561             01/01/2005 04:50:00   2.461643
561             01/01/2005 04:55:00   2.003322
561             01/01/2005 05:00:00   1.690701

;Total inflow (cfs)
561-1           01/01/2005 00:05:00   0
561-1           01/01/2005 00:10:00   0
```

```
561-1           01/01/2005 00:15:00   0.2389267
561-1           01/01/2005 00:20:00   5.192795
561-1           01/01/2005 00:25:00   23.51146
561-1           01/01/2005 00:30:00   79.48557
561-1           01/01/2005 00:35:00   237.3333
561-1           01/01/2005 00:40:00   373.1576
561-1           01/01/2005 00:45:00   395.0374
561-1           01/01/2005 00:50:00   409.5786
561-1           01/01/2005 00:55:00   452.9024
561-1           01/01/2005 01:00:00   462.4726
561-1           01/01/2005 01:05:00   462.8914
561-1           01/01/2005 01:10:00   451.2248
561-1           01/01/2005 01:15:00   425.3897
561-1           01/01/2005 01:20:00   397.3927
561-1           01/01/2005 01:25:00   369.8898
561-1           01/01/2005 01:30:00   343.3
561-1           01/01/2005 01:35:00   319.9037
561-1           01/01/2005 01:40:00   311.7947
561-1           01/01/2005 01:45:00   269.9199
561-1           01/01/2005 01:50:00   221.0728
561-1           01/01/2005 01:55:00   198.6158
561-1           01/01/2005 02:00:00   175.6496
561-1           01/01/2005 02:05:00   158.7898
561-1           01/01/2005 02:10:00   147.9455
561-1           01/01/2005 02:15:00   134.5231
561-1           01/01/2005 02:20:00   122.8697
561-1           01/01/2005 02:25:00   113.1246
561-1           01/01/2005 02:30:00   102.2644
561-1           01/01/2005 02:35:00   83.73023
561-1           01/01/2005 02:40:00   66.36187
561-1           01/01/2005 02:45:00   56.67529
561-1           01/01/2005 02:50:00   50.11882
561-1           01/01/2005 02:55:00   43.765
561-1           01/01/2005 03:00:00   38.74395
561-1           01/01/2005 03:05:00   33.56746
561-1           01/01/2005 03:10:00   28.06046
561-1           01/01/2005 03:15:00   23.3833
561-1           01/01/2005 03:20:00   20.10947
561-1           01/01/2005 03:25:00   17.89758
561-1           01/01/2005 03:30:00   15.87679
561-1           01/01/2005 03:35:00   13.88081
561-1           01/01/2005 03:40:00   11.96398
561-1           01/01/2005 03:45:00   10.07652
561-1           01/01/2005 03:50:00   8.835919
561-1           01/01/2005 03:55:00   7.719336
561-1           01/01/2005 04:00:00   6.472678
561-1           01/01/2005 04:05:00   5.310855
561-1           01/01/2005 04:10:00   4.072326
561-1           01/01/2005 04:15:00   3.246624
561-1           01/01/2005 04:20:00   2.638992
561-1           01/01/2005 04:25:00   2.113655
561-1           01/01/2005 04:30:00   1.704952
561-1           01/01/2005 04:35:00   1.409592
561-1           01/01/2005 04:40:00   1.176181
561-1           01/01/2005 04:45:00   1.000806
561-1           01/01/2005 04:50:00   0.8574214
561-1           01/01/2005 04:55:00   0.7369699
561-1           01/01/2005 05:00:00   0.635848

;Total inflow (cfs)
575             01/01/2005 00:05:00   0
575             01/01/2005 00:10:00   0
575             01/01/2005 00:15:00   0.1982939
575             01/01/2005 00:20:00   10.56695
575             01/01/2005 00:25:00   30.58488
575             01/01/2005 00:30:00   77.8375
575             01/01/2005 00:35:00   213.0147
575             01/01/2005 00:40:00   302.9779
575             01/01/2005 00:45:00   314.2434
575             01/01/2005 00:50:00   335.5415
575             01/01/2005 00:55:00   343.6416
575             01/01/2005 01:00:00   352.6523
575             01/01/2005 01:05:00   336.4086
575             01/01/2005 01:10:00   325.7462
575             01/01/2005 01:15:00   305.2591
575             01/01/2005 01:20:00   286.4952
575             01/01/2005 01:25:00   267.4028
575             01/01/2005 01:30:00   245.4567
575             01/01/2005 01:35:00   223.5383
575             01/01/2005 01:40:00   205.1661
575             01/01/2005 01:45:00   189.1229
575             01/01/2005 01:50:00   182.9095
575             01/01/2005 01:55:00   161.7495
575             01/01/2005 02:00:00   148.7904
575             01/01/2005 02:05:00   139.2889
575             01/01/2005 02:10:00   130.0882
575             01/01/2005 02:15:00   120.1329
575             01/01/2005 02:20:00   110.8847
575             01/01/2005 02:25:00   105.1597
575             01/01/2005 02:30:00   89.28625
575             01/01/2005 02:35:00   68.09128
575             01/01/2005 02:40:00   58.28194
575             01/01/2005 02:45:00   50.85648
575             01/01/2005 02:50:00   44.33456
575             01/01/2005 02:55:00   39.64787
575             01/01/2005 03:00:00   34.48957
575             01/01/2005 03:05:00   28.93944
575             01/01/2005 03:10:00   23.74794
575             01/01/2005 03:15:00   20.39173
575             01/01/2005 03:20:00   18.15323
```

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575             01/01/2005 03:25:00   16.06413
575             01/01/2005 03:30:00   13.96894
575             01/01/2005 03:35:00   11.99209
575             01/01/2005 03:40:00   10.14102
575             01/01/2005 03:45:00   8.864106
575             01/01/2005 03:50:00   7.515392
575             01/01/2005 03:55:00   6.26992
575             01/01/2005 04:00:00   4.989745
575             01/01/2005 04:05:00   3.75557
575             01/01/2005 04:10:00   2.979177
575             01/01/2005 04:15:00   2.259428
575             01/01/2005 04:20:00   1.788079
575             01/01/2005 04:25:00   1.42751
575             01/01/2005 04:30:00   1.175654
575             01/01/2005 04:35:00   0.9847295
575             01/01/2005 04:40:00   0.8319411
575             01/01/2005 04:45:00   0.7005113
575             01/01/2005 04:50:00   0.5967183
575             01/01/2005 04:55:00   0.5104293
575             01/01/2005 05:00:00   0.4388129

;Total inflow (cfs)
577             01/01/2005 00:05:00   0
577             01/01/2005 00:10:00   0
577             01/01/2005 00:15:00   0.08342548
577             01/01/2005 00:20:00   2.625381
577             01/01/2005 00:25:00   9.800758
577             01/01/2005 00:30:00   25.72367
577             01/01/2005 00:35:00   66.47433
577             01/01/2005 00:40:00   117.2016
577             01/01/2005 00:45:00   157.1447
577             01/01/2005 00:50:00   184.7215
577             01/01/2005 00:55:00   200.9283
577             01/01/2005 01:00:00   207.8425
577             01/01/2005 01:05:00   208.2348
577             01/01/2005 01:10:00   207.0367
577             01/01/2005 01:15:00   210.5629
577             01/01/2005 01:20:00   209.199
577             01/01/2005 01:25:00   201.6602
577             01/01/2005 01:30:00   190.0954
577             01/01/2005 01:35:00   177.2888
577             01/01/2005 01:40:00   164.1964
577             01/01/2005 01:45:00   151.3135
577             01/01/2005 01:50:00   139.9637
577             01/01/2005 01:55:00   130.8727
577             01/01/2005 02:00:00   123.503
577             01/01/2005 02:05:00   116.789
577             01/01/2005 02:10:00   109.6226
577             01/01/2005 02:15:00   94.91906
577             01/01/2005 02:20:00   84.40569
577             01/01/2005 02:25:00   75.11391
577             01/01/2005 02:30:00   66.59129
577             01/01/2005 02:35:00   57.86369
577             01/01/2005 02:40:00   50.98945
577             01/01/2005 02:45:00   45.09574
577             01/01/2005 02:50:00   40.52049
577             01/01/2005 02:55:00   36.02096
577             01/01/2005 03:00:00   30.24249
577             01/01/2005 03:05:00   24.29738
577             01/01/2005 03:10:00   20.84264
577             01/01/2005 03:15:00   18.48562
577             01/01/2005 03:20:00   16.3139
577             01/01/2005 03:25:00   14.16445
577             01/01/2005 03:30:00   12.03422
577             01/01/2005 03:35:00   10.24153
577             01/01/2005 03:40:00   8.774578
577             01/01/2005 03:45:00   7.45809
577             01/01/2005 03:50:00   6.076758
577             01/01/2005 03:55:00   4.682979
577             01/01/2005 04:00:00   3.466643
577             01/01/2005 04:05:00   2.553156
577             01/01/2005 04:10:00   1.954041
577             01/01/2005 04:15:00   1.54648
577             01/01/2005 04:20:00   1.239912
577             01/01/2005 04:25:00   0.9975281
577             01/01/2005 04:30:00   0.8091423
577             01/01/2005 04:35:00   0.6733189
577             01/01/2005 04:40:00   0.5627126
577             01/01/2005 04:45:00   0.4732022
577             01/01/2005 04:50:00   0.3992296
577             01/01/2005 04:55:00   0.3416929
577             01/01/2005 05:00:00   0.2942362

;Total inflow (cfs)
579             01/01/2005 00:05:00   0
579             01/01/2005 00:10:00   0
579             01/01/2005 00:15:00   0.04972973
579             01/01/2005 00:20:00   0.804134
579             01/01/2005 00:25:00   2.800168
579             01/01/2005 00:30:00   9.011757
579             01/01/2005 00:35:00   32.69582
579             01/01/2005 00:40:00   60.65496
579             01/01/2005 00:45:00   76.95116
579             01/01/2005 00:50:00   84.90024
579             01/01/2005 00:55:00   88.02544
579             01/01/2005 01:00:00   87.28307
579             01/01/2005 01:05:00   84.72095
579             01/01/2005 01:10:00   82.59999
579             01/01/2005 01:15:00   79.01154
579             01/01/2005 01:20:00   73.9198
```

```
579             01/01/2005 01:25:00   68.41644
579             01/01/2005 01:30:00   63.41486
579             01/01/2005 01:35:00   58.80085
579             01/01/2005 01:40:00   54.50182
579             01/01/2005 01:45:00   50.48311
579             01/01/2005 01:50:00   46.60422
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CONTROLS   NO
SUBCATCHMENTS ALL
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NODES ALL
LINKS ALL

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Node       JUNCT_1424      Survey2022
Node       JUNCT_1424-1    Survey2022
Node       JUNCT_1437      AsBuilt
Node       JUNCT_1504      AsBuilt
Node       JUNCT_1598      Survey2022
Node       JUNCT_1859      Ulteig
Node       JUNCT_1884      AsBuilt
Node       JUNCT_1897      Ulteig
Node       JUNCT_1145      AsBulit
Node       JUNCT_1413      Survey2022
Node       JUNCT_1425      Survey2022
Node       JUNCT_1430      Survey2022
Node       JUNCT_1432-1    Survey2022
Node       JUNCT_1434      Survey2021
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Node       JUNCT_1440      AsBuilt
Node       JUNCT_1505      AsBuilt
Node       JUNCT_1525      AsBuilt
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Node       JUNCT_1530      AsBuilt
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Node       JUNCT_1600      Survey2022
Node       JUNCT_1605      Survey2022
Node       JUNCT_1615      Survey2022
Node       JUNCT_1824      Survey2022
Node       JUNCT_1825      Survey2022
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Node       JUNCT_1831-1    Survey2022
Node       JUNCT_1832      AsBuilt
Node       JUNCT_1833      AsBuilt
Node       JUNCT_1858      Ulteig
Node       JUNCT_1860      Ulteig
Node       JUNCT_1867      Ulteig
Node       JUNCT_1868      AsBuilt
Node       JUNCT_1869      AsBuilt
Node       JUNCT_1870      AsBuilt
Node       JUNCT_1879      AsBuilt
Node       JUNCT_1880      AsBuilt
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Node       JUNCT_1890      AsBuilt
Node       JUNCT_1895      Ulteig
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Node       JUNCT_1948       AsBuilt
Node       JUNCT_1949       AsBuilt
Node       JUNCT_1949-1     AsBuilt
Node       JUNCT_1950       AsBuilt
Node       JUNCT_1951       AsBuilt
Node       JUNCT_1952       AsBuilt
Node       JUNCT_1953       AsBuilt
Node       JUNCT_1954       AsBuilt
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Node       POND_1835        Survey2021
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Link       1422_1           Survey2022
Link       1423             Survey2022
Link       1424             Survey2022
Link       1424-1           Survey2022
Link       1432-2           AsBuilt
Link       1432-3           AsBuilt
Link       1433             AsBuilt
Link       1434             AsBuilt
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Link       1438             AsBuilt
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Link       1440             AsBuilt
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Link       1600             Survey2022
Link       1605             Survey2022
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Link       1867             Ulteig
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Link       1898             Ulteig
Link       1899             Ulteig
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Link       1949-1_OFL       AsBuilt
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Link       1953             AsBuilt
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Link       1955             AsBuilt

[MAP]
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UNITS            Feet

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521              3128614.048        1656011.75
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1509             3133138.24         1655311.02
1509             3133190.88         1655288.982
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1509	3133534.342	1655247.288
1509	3133631.137	1655248.228
1510	3132391.755	1655732.738
1510	3132435.452	1655678.058
1510	3132449.025	1655655.079
1515	3133698.583	1654919.976
1515_OFL	3134021.556	1654923.746
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1515-1	3133632.991	1654635.39
1515-1_OFL	3133427.829	1654489.751
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1515-2_OFL	3133009.746	1654379.982
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1516_OFL	3132525.844	1654306.901
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1517	3132486.755	1654669.335
1517	3132482.023	1654428.514
1517_OFL	3132628.906	1654580.172
1518	3131457.316	1655059.33
1518	3131737.435	1655058.087
1518	3131857.331	1655057.632
1518	3132027.217	1655059.039
1518	3132088.505	1655059.356
1518	3132135.615	1655055.028
1518	3132150.58	1655053.04
1518	3132182.364	1655046.786
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1526	3133213.711	1654278.573
1526	3133346.856	1654297.893
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1526-1	3133632.112	1653838.366
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1600	3139673.663	1663191.923
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1615	3140420.647	1662525.545
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1709_OFL	3143368.248	1665773.47
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1833	3140922.523	1657368.311
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1845	3142180.595	1656609.942
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1882_OFL	3144321.934	1655353.888
1883_OFL	3144445.072	1655167.128
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1935            3140659.774       1659167.223
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1943            3141218.202       1659167.455
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1944            3141451.216       1659170.753
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1946_SPLIT      3142694.07        1659092.256
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1953            3145254.53        1658557.532
1953_SPLIT      3145120.258       1658264.261
1953_SPLIT      3144895.625       1658386.504
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1954_OFL        3145209.288       1657996.817
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[BACKDROP]
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[PROFILES]
;;Name           Links
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"Profile 01. Junction 99 to Outfall 560OF" DUMMY_910 1900 1899 1898 313-2
"Profile 01. Junction 99 to Outfall 560OF" 1897 1894 1890 1885 1884
"Profile 01. Junction 99 to Outfall 560OF" 1883 1882 1870 1869 1868
"Profile 01. Junction 99 to Outfall 560OF" 286-3 1867 1860 1859 1858
"Profile 01. Junction 99 to Outfall 560OF" 1857 1855 1854 1845 1840
"Profile 01. Junction 99 to Outfall 560OF" DUMMY_1849 POND_1835_OUT 1834 1833 1832
"Profile 01. Junction 99 to Outfall 560OF" 1831 1831-1 1825 1824 1823
"Profile 01. Junction 99 to Outfall 560OF" 1823 1818 1817 1815 DUMMY_1800
"Profile 02. Junction 83 to Divider 561" DUMMY_960 301 300-2 300-1 300
"Profile 02. Junction 83 to Divider 561" 299 1956 1955 1954 1953
"Profile 02. Junction 83 to Divider 561" 297_2 296 1948 1949-1 1949
"Profile 02. Junction 83 to Divider 561" 1946 1947 1945-1 1945 1944
"Profile 02. Junction 83 to Divider 561" 1943 1935 1934 1819
"Profile 03. Junction 42 to Outfall 645OF" DUMMY_435 POND_1435_OUT 1434 1433 1432-3
"Profile 03. Junction 42 to Outfall 645OF" 1432-2 1432-1 1432 1430 1425_1
"Profile 03. Junction 42 to Outfall 645OF" 1424-1 1424 1423 1422_1 1415-1
"Profile 03. Junction 42 to Outfall 645OF" 1415 1414 1413 1700 1699
"Profile 03. Junction 42 to Outfall 645OF" DUMMY_1698
"Profile 04. Junction 62 to Outfall 610OF" DUMMY_630 348 347 346 345
"Profile 04. Junction 62 to Outfall 610OF" 1620 1619 1618 1615 1605
"Profile 04. Junction 62 to Outfall 610OF" 1600 1599
"Profile 05. Junction 43 to Divider 646" DUMMY_710 1709 1708 1707
"Profile 06. Junction 40 to Outfall 660OF" DUMMY_410 1410 DUMMY_1409
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"Profile 07. Junction 721 to Divider 646" DUMMY_700
"Profile 08. Junction 41 to Divider 652" DUMMY_425
"Profile 09. Junction 60 to Divider 605" DUMMY_605
"Profile 10. Junction 61 to Divider 606" DUMMY_615
"Profile 11. Junction 90 to Divider 561" DUMMY_820
"Profile 12. Junction 91 to Divider 564" DUMMY_830
"Profile 13. Junction 93 to Junction 568" DUMMY_850
"Profile 14. Junction 94 to Divider 571" dummy-94
"Profile 15. Junction 95 to Divider 594" DUMMY_865
"Profile 16. Junction 96 to Divider 586" DUMMY_880
"Profile 17. Junction 97 to Divider 587" DUMMY_885
"Profile 18. Junction 98 to Divider 588" DUMMY_900
"Profile 19. Junction 92 to Junction 567" DUMMY_835
"Profile 20. Junction 80 to Divider 561-1" DUMMY_935
"Profile 21. Junction 81 to Divider 575" DUMMY_940
"Profile 22. Junction 82 to Divider 577" dummy-82
"Profile 23. Divider 661 to Junction 660" 1410_OVERFLOW
"Profile 24. Divider 645-1 to Junction 645" 400of
"Profile 25. Divider 646 to Divider 645-1" 1700_OFL
"Profile 26. Divider 647 to Divider 646" 1707_OFL
"Profile 27. Divider 650 to Divider 646" 1414_OVERFLOW
"Profile 28. Divider 651 to Divider 650" 406of
"Profile 29. Divider 952 to Divider 651" 1423_OVERFLOW
"Profile 30. Divider 652 to Divider 952" 1424_OVERFLOW
"Profile 31. Divider 953 to Divider 652" 410of_1 410of_2
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"Profile 33. Divider 653-1 to Divider 653" 1433_OFL
"Profile 34. Divider 658 to Divider 653-1" 1434_OFL
"Profile 35. Divider 644 to Divider 647" 1708_OFL
"Profile 36. Divider 655 to Divider 644" 1709_OFL
"Profile 37. Divider 611 to Junction 610" 1600_OFL
"Profile 38. Divider 605 to Divider 611" 1605_OFL
"Profile 39. Divider 606 to Divider 605" 1615_OFL
"Profile 40. Divider 606-1 to Divider 606" 343of
"Profile 41. Divider 607 to Divider 606-1" 1620_OFL
"Profile 42. Divider 608 to Divider 607" 345of
"Profile 43. Divider 604 to Divider 608" 346of
"Profile 44. Divider 604-1 to Divider 604" 347of
"Profile 45. Divider 609 to Divider 604-1" 348of
"Profile 46. Divider 560-1 to Junction 560" 1815_OFL
"Profile 47. Divider 560-2 to Divider 560-1" 1817_OFL
"Profile 48. Divider 561 to Divider 560-2" 1818_OFL
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"Profile 50. Divider 563 to Divider 561" 275of
"Profile 51. Divider 564 to Divider 563" 1831-1_OFL
"Profile 52. Divider 592 to Divider 564" 1831_OFL
"Profile 53. Divider 565 to Divider 592" 1832_OFL
"Profile 54. Divider 566 to Divider 565" 1833_OFL
"Profile 55. Divider 566-1 to Divider 566" 1834_OFL
"Profile 56. Divider 569-1 to Junction 569" 881of
"Profile 57. Divider 569-2 to Divider 569-1" 286of
"Profile 58. Divider 569-3 to Divider 569-2" 286-1of
"Profile 59. Divider 599 to Divider 569-3" 1867_OFL
"Profile 60. Divider 599-1 to Divider 599" 286-3of
"Profile 61. Divider 571 to Divider 599-1" 1868_OFL
"Profile 62. Divider 594 to Divider 571" 1869_OFL
"Profile 63. Divider 594_1 to Divider 594" 307of
"Profile 64. Divider 601 to Divider 594_1" 1882_OFL
"Profile 65. Divider 586 to Divider 601" 1883_OFL
"Profile 66. Divider 587 to Divider 586" 1884_OVERFLOW
"Profile 67. Divider 587-1 to Divider 587" 1885_SPLIT
"Profile 68. Divider 587-2 to Divider 587-1" 1890_OFL
"Profile 69. Divider 587-3 to Divider 587-2" 1894_SPLIT
"Profile 70. Divider 587-4 to Divider 587-3" 313-1of
"Profile 71. Divider 587-5 to Divider 587-4" 313-2of
"Profile 72. Divider 587-6 to Divider 587-5" 313-3of
"Profile 73. Divider 587-7 to Divider 587-6" 1899_OFL
"Profile 74. Divider 588 to Divider 587-7" 1900_OFL
"Profile 75. Divider 562 to Divider 561-1" 274of
"Profile 76. Divider 562-1 to Divider 562" 290of
"Profile 77. Divider 575 to Divider 562-1" 1945_OVERFLOW
"Profile 78. Divider 576 to Divider 575" 1945-1_OVERFLOW
"Profile 79. Divider 576-1 to Divider 576" 294of
"Profile 80. Divider 577 to Divider 576-1" 295of
"Profile 81. Divider 577-1 to Divider 577" 296of
"Profile 82. Divider 577-2 to Divider 577-1" 1954_OFL
"Profile 83. Divider 577-3 to Divider 577-2" 1955_OFL
"Profile 84. Divider 577-4 to Divider 577-3" 298-1of
"Profile 85. Divider 578 to Divider 577-4" 299of
"Profile 86. Divider 578-1 to Divider 578" 300of
"Profile 87. Divider 578-2 to Divider 578-1" 300-1of
"Profile 88. Divider 578-3 to Divider 578-2" 300-2of
"Profile 89. Divider 579 to Divider 578-3" 301of

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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)
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Englewood MDP
Baseline Hydrology
All Storm Events

WARNING 08: elevation drop exceeds length for Conduit 1410_SPLIT
WARNING 04: minimum elevation drop used for Conduit DUMMY_140
WARNING 04: minimum elevation drop used for Conduit DUMMY_145
WARNING 04: minimum elevation drop used for Conduit DUMMY_150
WARNING 04: minimum elevation drop used for Conduit DUMMY_155
WARNING 04: minimum elevation drop used for Conduit DUMMY_160
WARNING 04: minimum elevation drop used for Conduit DUMMY_165
WARNING 04: minimum elevation drop used for Conduit DUMMY_170
WARNING 04: minimum elevation drop used for Conduit DUMMY_1819
WARNING 04: minimum elevation drop used for Conduit DUMMY_410
WARNING 04: minimum elevation drop used for Conduit DUMMY_415
WARNING 04: minimum elevation drop used for Conduit DUMMY_420
WARNING 04: minimum elevation drop used for Conduit DUMMY_425
WARNING 04: minimum elevation drop used for Conduit DUMMY_430
WARNING 04: minimum elevation drop used for Conduit DUMMY_435
WARNING 04: minimum elevation drop used for Conduit DUMMY_440
WARNING 04: minimum elevation drop used for Conduit DUMMY_505
WARNING 04: minimum elevation drop used for Conduit DUMMY_510
WARNING 04: minimum elevation drop used for Conduit DUMMY_515
WARNING 04: minimum elevation drop used for Conduit DUMMY_520
WARNING 04: minimum elevation drop used for Conduit DUMMY_521
WARNING 04: minimum elevation drop used for Conduit DUMMY_525
WARNING 04: minimum elevation drop used for Conduit DUMMY_526
WARNING 04: minimum elevation drop used for Conduit DUMMY_530
WARNING 04: minimum elevation drop used for Conduit DUMMY_535
WARNING 04: minimum elevation drop used for Conduit DUMMY_56
WARNING 04: minimum elevation drop used for Conduit DUMMY_60
WARNING 04: minimum elevation drop used for Conduit DUMMY_600
WARNING 04: minimum elevation drop used for Conduit DUMMY_605
WARNING 04: minimum elevation drop used for Conduit DUMMY_61
WARNING 04: minimum elevation drop used for Conduit DUMMY_610
WARNING 04: minimum elevation drop used for Conduit DUMMY_615
WARNING 04: minimum elevation drop used for Conduit DUMMY_620
WARNING 04: minimum elevation drop used for Conduit DUMMY_625
WARNING 04: minimum elevation drop used for Conduit DUMMY_630
WARNING 04: minimum elevation drop used for Conduit DUMMY_700
WARNING 04: minimum elevation drop used for Conduit DUMMY_705
WARNING 04: minimum elevation drop used for Conduit DUMMY_710
WARNING 04: minimum elevation drop used for Conduit DUMMY_715
WARNING 04: minimum elevation drop used for Conduit DUMMY_720
WARNING 04: minimum elevation drop used for Conduit DUMMY_800
WARNING 04: minimum elevation drop used for Conduit DUMMY_815
WARNING 04: minimum elevation drop used for Conduit DUMMY_820
WARNING 04: minimum elevation drop used for Conduit DUMMY_825
WARNING 04: minimum elevation drop used for Conduit DUMMY_830
WARNING 04: minimum elevation drop used for Conduit DUMMY_840
WARNING 04: minimum elevation drop used for Conduit DUMMY_845
WARNING 04: minimum elevation drop used for Conduit DUMMY_850
WARNING 04: minimum elevation drop used for Conduit DUMMY_855
WARNING 04: minimum elevation drop used for Conduit DUMMY_860
WARNING 04: minimum elevation drop used for Conduit DUMMY_865
WARNING 04: minimum elevation drop used for Conduit DUMMY_870
WARNING 04: minimum elevation drop used for Conduit DUMMY_875
WARNING 04: minimum elevation drop used for Conduit DUMMY_880
WARNING 04: minimum elevation drop used for Conduit DUMMY_885
WARNING 04: minimum elevation drop used for Conduit DUMMY_890
WARNING 04: minimum elevation drop used for Conduit DUMMY_895
WARNING 04: minimum elevation drop used for Conduit DUMMY_900
WARNING 04: minimum elevation drop used for Conduit DUMMY_905
WARNING 04: minimum elevation drop used for Conduit DUMMY_910
WARNING 04: minimum elevation drop used for Conduit DUMMY_915
WARNING 04: minimum elevation drop used for Conduit DUMMY_920
WARNING 04: minimum elevation drop used for Conduit DUMMY_925
WARNING 04: minimum elevation drop used for Conduit DUMMY_930
WARNING 04: minimum elevation drop used for Conduit DUMMY_935
WARNING 04: minimum elevation drop used for Conduit DUMMY_949
WARNING 04: minimum elevation drop used for Conduit DUMMY_950
WARNING 04: minimum elevation drop used for Conduit DUMMY_955
WARNING 04: minimum elevation drop used for Conduit DUMMY_960
WARNING 10: crest elevation is below downstream invert for regulator Link POND_1835_OUT
WARNING 02: maximum depth increased for Node JUNCT_1148
WARNING 02: maximum depth increased for Node JUNCT_1504
WARNING 02: maximum depth increased for Node JUNCT_1598
WARNING 02: maximum depth increased for Node JUNCT_1624
WARNING 02: maximum depth increased for Node JUNCT_1705
WARNING 02: maximum depth increased for Node JUNCT_1854
WARNING 02: maximum depth increased for Node JUNCT_1060
WARNING 02: maximum depth increased for Node JUNCT_1061
WARNING 02: maximum depth increased for Node JUNCT_1139
WARNING 02: maximum depth increased for Node JUNCT_1140
WARNING 02: maximum depth increased for Node JUNCT_1145
WARNING 02: maximum depth increased for Node JUNCT_1148-1
WARNING 02: maximum depth increased for Node JUNCT_1409
WARNING 02: maximum depth increased for Node JUNCT_1410
WARNING 02: maximum depth increased for Node JUNCT_1413
WARNING 02: maximum depth increased for Node JUNCT_1414
WARNING 02: maximum depth increased for Node JUNCT_1425
WARNING 02: maximum depth increased for Node JUNCT_1430
WARNING 02: maximum depth increased for Node JUNCT_1432
WARNING 02: maximum depth increased for Node JUNCT_1432-1
WARNING 02: maximum depth increased for Node JUNCT_1432-2
WARNING 02: maximum depth increased for Node JUNCT_1432-3
WARNING 02: maximum depth increased for Node JUNCT_1433
WARNING 02: maximum depth increased for Node JUNCT_1434
WARNING 02: maximum depth increased for Node JUNCT_1438
WARNING 02: maximum depth increased for Node JUNCT_1439
WARNING 02: maximum depth increased for Node JUNCT_1440
WARNING 02: maximum depth increased for Node JUNCT_1505
WARNING 02: maximum depth increased for Node JUNCT_1515
WARNING 02: maximum depth increased for Node JUNCT_1515-1
WARNING 02: maximum depth increased for Node JUNCT_1515-2
WARNING 02: maximum depth increased for Node JUNCT_1516
WARNING 02: maximum depth increased for Node JUNCT_1517
WARNING 02: maximum depth increased for Node JUNCT_1518
WARNING 02: maximum depth increased for Node JUNCT_1519
WARNING 02: maximum depth increased for Node JUNCT_1520
WARNING 02: maximum depth increased for Node JUNCT_1525
WARNING 02: maximum depth increased for Node JUNCT_1529
WARNING 02: maximum depth increased for Node JUNCT_1530
WARNING 02: maximum depth increased for Node JUNCT_1599
WARNING 02: maximum depth increased for Node JUNCT_1600
WARNING 02: maximum depth increased for Node JUNCT_1605
WARNING 02: maximum depth increased for Node JUNCT_1615
WARNING 02: maximum depth increased for Node JUNCT_1618
WARNING 02: maximum depth increased for Node JUNCT_1619
WARNING 02: maximum depth increased for Node JUNCT_1620
WARNING 02: maximum depth increased for Node JUNCT_1699
WARNING 02: maximum depth increased for Node JUNCT_1700
WARNING 02: maximum depth increased for Node JUNCT_1707
WARNING 02: maximum depth increased for Node JUNCT_1708
WARNING 02: maximum depth increased for Node JUNCT_1709
WARNING 02: maximum depth increased for Node JUNCT_1815
WARNING 02: maximum depth increased for Node JUNCT_1817
WARNING 02: maximum depth increased for Node JUNCT_1818
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WARNING 02: maximum depth increased for Node JUNCT_1819
WARNING 02: maximum depth increased for Node JUNCT_1820
WARNING 02: maximum depth increased for Node JUNCT_1823
WARNING 02: maximum depth increased for Node JUNCT_1824
WARNING 02: maximum depth increased for Node JUNCT_1825
WARNING 02: maximum depth increased for Node JUNCT_1831
WARNING 02: maximum depth increased for Node JUNCT_1831-1
WARNING 02: maximum depth increased for Node JUNCT_1832
WARNING 02: maximum depth increased for Node JUNCT_1833
WARNING 02: maximum depth increased for Node JUNCT_1858
WARNING 02: maximum depth increased for Node JUNCT_1860
WARNING 02: maximum depth increased for Node JUNCT_1867
WARNING 02: maximum depth increased for Node JUNCT_1868
WARNING 02: maximum depth increased for Node JUNCT_1869
WARNING 02: maximum depth increased for Node JUNCT_1870
WARNING 02: maximum depth increased for Node JUNCT_1879
WARNING 02: maximum depth increased for Node JUNCT_1880
WARNING 02: maximum depth increased for Node JUNCT_1882
WARNING 02: maximum depth increased for Node JUNCT_1883
WARNING 02: maximum depth increased for Node JUNCT_1885
WARNING 02: maximum depth increased for Node JUNCT_1890
WARNING 02: maximum depth increased for Node JUNCT_1895
WARNING 02: maximum depth increased for Node JUNCT_1898
WARNING 02: maximum depth increased for Node JUNCT_1899
WARNING 02: maximum depth increased for Node JUNCT_1900
WARNING 02: maximum depth increased for Node JUNCT_1934
WARNING 02: maximum depth increased for Node JUNCT_1935
WARNING 02: maximum depth increased for Node JUNCT_1943
WARNING 02: maximum depth increased for Node JUNCT_1944
WARNING 02: maximum depth increased for Node JUNCT_1945
WARNING 02: maximum depth increased for Node JUNCT_1946
WARNING 02: maximum depth increased for Node JUNCT_1947
WARNING 02: maximum depth increased for Node JUNCT_1948
WARNING 02: maximum depth increased for Node JUNCT_1949
WARNING 02: maximum depth increased for Node JUNCT_1949-1
WARNING 02: maximum depth increased for Node JUNCT_1950
WARNING 02: maximum depth increased for Node JUNCT_1951
WARNING 02: maximum depth increased for Node JUNCT_1952
WARNING 02: maximum depth increased for Node JUNCT_1953
WARNING 02: maximum depth increased for Node JUNCT_1954
WARNING 02: maximum depth increased for Node JUNCT_1955

*************
Element Count
*************
Number of rain gages ...... 0
Number of subcatchments ... 0
Number of nodes ........... 238
Number of links ........... 318
Number of pollutants ...... 0
Number of land uses ....... 0


************
Node Summary
************
```

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
140	JUNCTION	5282.31	0.00	0.0	
145	JUNCTION	5321.40	0.00	0.0	
150	JUNCTION	5261.63	0.00	0.0	
155	JUNCTION	5269.10	0.00	0.0	
160	JUNCTION	5274.00	0.00	0.0	
165	JUNCTION	5269.10	0.00	0.0	
170	JUNCTION	5328.50	0.00	0.0	
410	JUNCTION	5285.62	0.00	0.0	
415	JUNCTION	5289.65	0.00	0.0	
420	JUNCTION	5296.70	0.00	0.0	
425	JUNCTION	5297.50	0.00	0.0	
430	JUNCTION	5297.53	0.00	0.0	
435	JUNCTION	5324.71	0.00	0.0	
440	JUNCTION	5342.24	0.00	0.0	
505	JUNCTION	5301.19	0.00	0.0	
510	JUNCTION	5358.62	0.00	0.0	
515	JUNCTION	5302.87	0.00	0.0	
520	JUNCTION	5392.05	0.00	0.0	
521	JUNCTION	5456.94	0.00	0.0	
525	JUNCTION	5305.50	0.00	0.0	
526	JUNCTION	5373.08	0.00	0.0	
530	JUNCTION	5357.81	0.00	0.0	
535	JUNCTION	5438.40	0.00	0.0	
56	JUNCTION	5307.40	0.00	0.0	
60	JUNCTION	5301.10	0.00	0.0	
600	JUNCTION	5273.73	0.00	0.0	
605	JUNCTION	5286.19	0.00	0.0	
61	JUNCTION	5307.40	0.00	0.0	
610	JUNCTION	5312.60	0.00	0.0	
615	JUNCTION	5299.04	0.00	0.0	
620	JUNCTION	5306.72	0.00	0.0	
625	JUNCTION	5313.40	0.00	0.0	
630	JUNCTION	5312.90	0.00	0.0	
700	JUNCTION	5286.15	0.00	0.0	
705	JUNCTION	5280.84	0.00	0.0	
710	JUNCTION	5312.30	0.00	0.0	
715	JUNCTION	5321.90	0.00	0.0	
720	JUNCTION	5348.80	0.00	0.0	
800	JUNCTION	5288.40	0.00	0.0	
815	JUNCTION	5293.70	0.00	0.0	
820	JUNCTION	5308.80	0.00	0.0	
825	JUNCTION	5311.33	0.00	0.0	
830	JUNCTION	5325.10	0.00	0.0	
835	JUNCTION	5341.92	0.00	0.0	
840	JUNCTION	5350.00	0.00	0.0	
845	JUNCTION	5356.00	0.00	0.0	
850	JUNCTION	5356.00	0.00	0.0	
855	JUNCTION	5358.70	0.00	0.0	
860	JUNCTION	5362.22	0.00	0.0	
865	JUNCTION	5376.18	0.00	0.0	
870	JUNCTION	5376.18	0.00	0.0	
875	JUNCTION	5413.60	0.00	0.0	
880	JUNCTION	5388.15	0.00	0.0	
885	JUNCTION	5389.85	0.00	0.0	
890	JUNCTION	5393.53	0.00	0.0	
895	JUNCTION	5396.75	0.00	0.0	
900	JUNCTION	5405.40	0.00	0.0	
905	JUNCTION	5413.50	0.00	0.0	
910	JUNCTION	5417.50	0.00	0.0	
915	JUNCTION	5405.40	0.00	0.0	
920	JUNCTION	5449.40	0.00	0.0	
925	JUNCTION	5323.60	0.00	0.0	
930	JUNCTION	5335.10	0.00	0.0	
935	JUNCTION	5312.00	0.00	0.0	
940	JUNCTION	5355.80	0.00	0.0	
945	JUNCTION	5353.45	0.00	0.0	
950	JUNCTION	5388.55	0.00	0.0	
955	JUNCTION	5395.90	0.00	0.0	
960	JUNCTION	5414.80	0.00	0.0	
JUNCT_1058	JUNCTION	5308.30	5.00	0.0	
JUNCT_1059	JUNCTION	5297.80	11.19	0.0	
JUNCT_1148	JUNCTION	5261.63	17.99	0.0	
JUNCT_1155	JUNCTION	5269.10	10.00	0.0	

JUNCT_1160	JUNCTION	5274.00	10.00	0.0
JUNCT_1170	JUNCTION	5328.50	10.00	0.0
JUNCT_1404	JUNCTION	0.00	10.00	0.0
JUNCT_1405	JUNCTION	5281.90	10.00	0.0
JUNCT_1406	JUNCTION	5251.86	6.65	0.0
JUNCT_1407	JUNCTION	5269.28	10.75	0.0
JUNCT_1408	JUNCTION	5270.93	17.35	0.0
JUNCT_1415	JUNCTION	5289.65	11.84	0.0
JUNCT_1415-1	JUNCTION	5290.76	13.15	0.0
JUNCT_1420	JUNCTION	5296.70	10.31	0.0
JUNCT_1422	JUNCTION	5292.29	14.40	0.0
JUNCT_1423	JUNCTION	5293.26	12.10	0.0
JUNCT_1424	JUNCTION	5295.60	7.70	0.0
JUNCT_1424-1	JUNCTION	5297.40	9.03	0.0
JUNCT_1429	JUNCTION	5297.50	10.31	0.0
JUNCT_1434-1	JUNCTION	5324.06	8.31	0.0
JUNCT_1435	JUNCTION	5324.71	10.00	0.0
JUNCT_1436	JUNCTION	5324.67	8.64	0.0
JUNCT_1437	JUNCTION	5325.88	9.55	0.0
JUNCT_1504	JUNCTION	5294.19	27.08	0.0
JUNCT_1509	JUNCTION	5352.96	10.97	0.0
JUNCT_1510	JUNCTION	5358.62	10.97	0.0
JUNCT_1521	JUNCTION	5456.94	10.97	0.0
JUNCT_1526	JUNCTION	5373.08	10.31	0.0
JUNCT_1526-1	JUNCTION	5321.50	10.31	0.0
JUNCT_1535	JUNCTION	5438.40	10.31	0.0
JUNCT_1598	JUNCTION	5261.34	30.36	0.0
JUNCT_1610	JUNCTION	5312.60	5.00	0.0
JUNCT_1624	JUNCTION	5311.16	10.31	0.0
JUNCT_1625	JUNCTION	5313.40	10.31	0.0
JUNCT_1630	JUNCTION	5312.90	10.97	0.0
JUNCT_1631	JUNCTION	5316.60	10.97	0.0
JUNCT_1705	JUNCTION	5280.84	17.77	0.0
JUNCT_1715	JUNCTION	5321.90	10.00	0.0
JUNCT_1718	JUNCTION	5337.70	10.31	0.0
JUNCT_1719	JUNCTION	5343.50	10.31	0.0
JUNCT_1720	JUNCTION	5348.80	10.31	0.0
JUNCT_1800	JUNCTION	5288.40	19.20	0.0
JUNCT_1830	JUNCTION	5325.10	10.31	0.0
JUNCT_1840	JUNCTION	5350.00	10.00	0.0
JUNCT_1845	JUNCTION	5356.00	10.00	0.0
JUNCT_1849	JUNCTION	5346.80	10.00	0.0
JUNCT_1854	JUNCTION	5358.20	10.00	0.0
JUNCT_1855	JUNCTION	5358.70	10.00	0.0
JUNCT_1857	JUNCTION	5358.80	10.00	0.0
JUNCT_1859	JUNCTION	5361.17	11.03	0.0
JUNCT_1868-1	JUNCTION	5376.20	10.31	0.0
JUNCT_1869-1	JUNCTION	5381.50	10.00	0.0
JUNCT_1875	JUNCTION	5413.60	5.00	0.0
JUNCT_1883-1	JUNCTION	5391.30	10.00	0.0
JUNCT_1884	JUNCTION	5386.13	13.49	0.0
JUNCT_1884-1	JUNCTION	5392.40	10.00	0.0
JUNCT_1897	JUNCTION	5397.25	8.69	0.0
JUNCT_1905	JUNCTION	5413.50	10.00	0.0
JUNCT_1910	JUNCTION	5417.50	10.00	0.0
JUNCT_1920	JUNCTION	5449.40	10.31	0.0
JUNCT_1925	JUNCTION	5323.60	10.31	0.0
JUNCT_1930	JUNCTION	5335.10	10.31	0.0
JUNCT_1945-1	JUNCTION	5366.94	10.79	0.0
JUNCT_1956	JUNCTION	5400.50	10.97	0.0
JUNCT_1957	JUNCTION	5404.70	10.31	0.0
JUNCT_1958	JUNCTION	5409.40	10.31	0.0
JUNCT_1959	JUNCTION	5414.30	10.31	0.0
JUNCT_1960	JUNCTION	5414.80	10.31	0.0
OTF_1059	OUTFALL	5297.75	0.00	0.0
OTF_1148	OUTFALL	5261.58	0.00	0.0
OTF_1406	OUTFALL	5251.81	0.00	0.0
OTF_1420	OUTFALL	5296.65	0.00	0.0
OTF_1504	OUTFALL	5294.14	0.00	0.0
OTF_1598	OUTFALL	5261.29	0.00	0.0
OTF_1698	OUTFALL	5278.42	0.00	0.0
OTF_1800	OUTFALL	5288.35	0.00	0.0
JUNCT_1060	DIVIDER	5301.10	17.43	0.0
JUNCT_1061	DIVIDER	5307.40	13.05	0.0
JUNCT_1139	DIVIDER	5266.34	17.53	0.0
JUNCT_1140	DIVIDER	5282.31	24.16	0.0
JUNCT_1145	DIVIDER	5321.40	23.62	0.0
JUNCT_1148-1	DIVIDER	5263.46	18.68	0.0
JUNCT_1409	DIVIDER	5273.18	23.90	0.0
JUNCT_1410	DIVIDER	5285.62	14.79	0.0
JUNCT_1413	DIVIDER	5288.00	25.91	0.0
JUNCT_1414	DIVIDER	5288.97	22.26	0.0
JUNCT_1425	DIVIDER	5297.50	13.60	0.0
JUNCT_1430	DIVIDER	5297.53	16.46	0.0
JUNCT_1432	DIVIDER	5299.44	17.31	0.0
JUNCT_1432-1	DIVIDER	5308.65	18.06	0.0
JUNCT_1432-2	DIVIDER	5315.69	20.06	0.0
JUNCT_1432-3	DIVIDER	5319.29	20.45	0.0
JUNCT_1433	DIVIDER	5322.24	17.60	0.0
JUNCT_1434	DIVIDER	5323.35	16.76	0.0
JUNCT_1438	DIVIDER	5326.54	20.75	0.0
JUNCT_1439	DIVIDER	5333.24	16.58	0.0
JUNCT_1440	DIVIDER	5342.24	18.32	0.0
JUNCT_1505	DIVIDER	5301.19	27.10	0.0
JUNCT_1515	DIVIDER	5302.87	27.78	0.0
JUNCT_1515-1	DIVIDER	5317.31	17.16	0.0
JUNCT_1515-2	DIVIDER	5332.09	16.78	0.0
JUNCT_1516	DIVIDER	5336.40	17.35	0.0
JUNCT_1517	DIVIDER	5339.61	16.76	0.0
JUNCT_1518	DIVIDER	5382.28	17.39	0.0
JUNCT_1519	DIVIDER	5383.91	19.56	0.0
JUNCT_1520	DIVIDER	5392.05	16.75	0.0
JUNCT_1525	DIVIDER	5305.50	29.71	0.0
JUNCT_1529	DIVIDER	5325.49	20.71	0.0
JUNCT_1530	DIVIDER	5357.81	18.20	0.0
JUNCT_1599	DIVIDER	5271.60	32.40	0.0
JUNCT_1600	DIVIDER	5273.73	30.30	0.0
JUNCT_1605	DIVIDER	5286.19	31.35	0.0
JUNCT_1615	DIVIDER	5299.04	20.97	0.0
JUNCT_1618	DIVIDER	5302.03	18.21	0.0
JUNCT_1619	DIVIDER	5304.30	16.39	0.0
JUNCT_1620	DIVIDER	5306.72	15.68	0.0
JUNCT_1699	DIVIDER	5283.03	17.44	0.0
JUNCT_1700	DIVIDER	5286.15	26.47	0.0
JUNCT_1707	DIVIDER	5293.23	26.97	0.0
JUNCT_1708	DIVIDER	5296.17	25.30	0.0
JUNCT_1709	DIVIDER	5304.70	18.47	0.0
JUNCT_1710	DIVIDER	5312.30	10.00	0.0
JUNCT_1815	DIVIDER	5293.70	30.10	0.0
JUNCT_1817	DIVIDER	5296.40	35.70	0.0
JUNCT_1818	DIVIDER	5300.99	31.90	0.0
JUNCT_1819	DIVIDER	5308.80	18.60	0.0
JUNCT_1820	DIVIDER	5308.80	10.31	0.0
JUNCT_1823	DIVIDER	5303.65	23.68	0.0
JUNCT_1824	DIVIDER	5305.77	25.76	0.0
JUNCT_1825	DIVIDER	5311.33	24.17	0.0
JUNCT_1831	DIVIDER	5315.21	21.60	0.0
JUNCT_1831-1	DIVIDER	5312.72	24.17	0.0
JUNCT_1832	DIVIDER	5317.72	23.59	0.0
JUNCT_1833	DIVIDER	5329.58	20.93	0.0
JUNCT_1834	DIVIDER	5341.92	12.50	0.0
JUNCT_1858	DIVIDER	5358.85	21.22	0.0

JUNCT_1860	DIVIDER	5362.22	21.77	0.0
JUNCT_1867	DIVIDER	5364.50	19.97	0.0
JUNCT_1868	DIVIDER	5369.47	28.60	0.0
JUNCT_1869	DIVIDER	5372.43	28.04	0.0
JUNCT_1870	DIVIDER	5376.18	19.62	0.0
JUNCT_1879	DIVIDER	5386.75	18.39	0.0
JUNCT_1880	DIVIDER	5388.15	19.22	0.0
JUNCT_1882	DIVIDER	5377.76	20.41	0.0
JUNCT_1883	DIVIDER	5379.86	23.15	0.0
JUNCT_1885	DIVIDER	5389.85	18.66	0.0
JUNCT_1890	DIVIDER	5393.53	21.81	0.0
JUNCT_1895	DIVIDER	5396.75	16.19	0.0
JUNCT_1898	DIVIDER	5397.66	20.31	0.0
JUNCT_1899	DIVIDER	5401.02	17.57	0.0
JUNCT_1900	DIVIDER	5405.40	17.31	0.0
JUNCT_1934	DIVIDER	5311.20	17.27	0.0
JUNCT_1935	DIVIDER	5312.00	20.16	0.0
JUNCT_1943	DIVIDER	5312.77	25.05	0.0
JUNCT_1944	DIVIDER	5343.24	30.72	0.0
JUNCT_1945	DIVIDER	5353.45	25.05	0.0
JUNCT_1946	DIVIDER	5369.95	11.51	0.0
JUNCT_1947	DIVIDER	5372.79	18.10	0.0
JUNCT_1948	DIVIDER	5379.40	12.23	0.0
JUNCT_1949	DIVIDER	5386.74	18.40	0.0
JUNCT_1949-1	DIVIDER	5385.48	17.91	0.0
JUNCT_1950	DIVIDER	5388.55	12.77	0.0
JUNCT_1951	DIVIDER	5389.62	14.06	0.0
JUNCT_1952	DIVIDER	5391.00	18.39	0.0
JUNCT_1953	DIVIDER	5393.20	13.61	0.0
JUNCT_1954	DIVIDER	5394.04	14.23	0.0
JUNCT_1955	DIVIDER	5395.90	13.57	0.0
POND_1435	STORAGE	5324.70	8.30	0.0
POND_1835	STORAGE	5341.90	12.50	0.0

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Link Summary
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Name	From Node	To Node	Type	Length	%Slope	Roughness
1060	JUNCT_1060	JUNCT_1059	CONDUIT	654.4	0.5049	0.0200
1060_SPLIT	JUNCT_1060	JUNCT_1058	CONDUIT	841.7	0.6214	0.0200
1061	JUNCT_1061	JUNCT_1060	CONDUIT	1258.2	0.5004	0.0200
1061_OFL	JUNCT_1061	JUNCT_1060	CONDUIT	1303.7	0.1473	0.0200
1139	JUNCT_1139	JUNCT_1148-1	CONDUIT	873.5	0.3297	0.0200
1139_OFL	JUNCT_1139	JUNCT_1148-1	CONDUIT	873.5	0.3675	0.0200
1140	JUNCT_1140	JUNCT_1139	CONDUIT	1030.8	1.5495	0.0200
1140_OFL	JUNCT_1140	JUNCT_1139	CONDUIT	1030.8	2.1930	0.0200
1145	JUNCT_1145	JUNCT_1140	CONDUIT	1269.6	2.5701	0.0200
1145_OFL	JUNCT_1145	JUNCT_1140	CONDUIT	1269.6	3.0377	0.0200
1148-1	JUNCT_1148-1	JUNCT_1148	CONDUIT	105.8	1.7298	0.0200
1148-1_OFL	JUNCT_1148-1	JUNCT_1148	CONDUIT	132.8	1.8985	0.0200
1155	JUNCT_1155	JUNCT_1148	CONDUIT	1080.9	0.6911	0.0600
1160	JUNCT_1160	JUNCT_1155	CONDUIT	1316.9	0.3721	0.0600
1170	JUNCT_1170	JUNCT_1155	CONDUIT	2417.7	2.4576	0.0600
1407	JUNCT_1407	JUNCT_1406	CONDUIT	659.2	2.6436	0.0200
1408	JUNCT_1408	JUNCT_1407	CONDUIT	197.1	0.8119	0.0200
1409	JUNCT_1409	JUNCT_1408	CONDUIT	345.4	0.6369	0.0200
1409_SPLIT	JUNCT_1409	JUNCT_1405	CONDUIT	369.7	1.4014	0.0200
1410	JUNCT_1410	JUNCT_1409	CONDUIT	948.1	1.2753	0.0200
1410_SPLIT	JUNCT_1410	JUNCT_1404	CONDUIT	104.8	5046.4089	0.0350
1413	JUNCT_1413	JUNCT_1700	CONDUIT	660.5	0.2150	0.0200
1413_OFL	JUNCT_1413	JUNCT_1700	CONDUIT	660.5	0.2952	0.0200
1414	JUNCT_1414	JUNCT_1413	CONDUIT	609.1	0.1510	0.0200
1414_SPLIT	JUNCT_1414	JUNCT_1410	CONDUIT	1673.2	0.6467	0.0200
1415	JUNCT_1415	JUNCT_1414	CONDUIT	209.7	0.3004	0.0200
1415-1	JUNCT_1415-1	JUNCT_1415	CONDUIT	338.7	0.3277	0.0200
1422_1	JUNCT_1422	JUNCT_1415-1	CONDUIT	489.9	0.3327	0.0200
1423	JUNCT_1423	JUNCT_1422	CONDUIT	324.2	0.2838	0.0200
1424	JUNCT_1424	JUNCT_1423	CONDUIT	306.2	0.7642	0.0200
1424-1	JUNCT_1424-1	JUNCT_1424	CONDUIT	293.8	0.6126	0.0200
1425_1	JUNCT_1425	JUNCT_1424-1	CONDUIT	119.9	0.0834	0.0200
1425_OFL	JUNCT_1425	JUNCT_1420	CONDUIT	1310.0	0.7176	0.0200
1429	JUNCT_1429	JUNCT_1420	CONDUIT	318.2	0.2514	0.0200
1430	JUNCT_1430	JUNCT_1425	CONDUIT	288.5	0.0104	0.0200
1430_SPLIT	JUNCT_1430	JUNCT_1429	CONDUIT	1310.4	0.4716	0.0200
1432	JUNCT_1432	JUNCT_1430	CONDUIT	182.8	0.9905	0.0200
1432_OFL	JUNCT_1432	JUNCT_1430	CONDUIT	182.8	0.3830	0.0200
1432-1	JUNCT_1432-1	JUNCT_1432	CONDUIT	172.4	5.1448	0.0200
1432-1_OFL	JUNCT_1432-1	JUNCT_1432	CONDUIT	172.4	5.7856	0.0200
1432-2	JUNCT_1432-2	JUNCT_1432-1	CONDUIT	128.6	5.4440	0.0200
1432-2_OFL	JUNCT_1432-2	JUNCT_1432-1	CONDUIT	128.6	7.0476	0.0200
1432-3	JUNCT_1432-3	JUNCT_1432-2	CONDUIT	333.2	1.0804	0.0200
1432-3_OFL	JUNCT_1432-3	JUNCT_1432-2	CONDUIT	333.2	1.1975	0.0200
1433	JUNCT_1433	JUNCT_1432-3	CONDUIT	184.1	1.6025	0.0200
1433_OFL	JUNCT_1433	JUNCT_1432-3	CONDUIT	184.1	0.0543	0.0200
1434	JUNCT_1434	JUNCT_1433	CONDUIT	142.3	0.7800	0.0200
1434_OFL	JUNCT_1434	JUNCT_1433	CONDUIT	142.3	0.1897	0.0200
1434-1	JUNCT_1434-1	JUNCT_1434	CONDUIT	209.6	0.3388	0.0200
1436	JUNCT_1436	JUNCT_1434-1	CONDUIT	173.7	0.3512	0.0200
1437	JUNCT_1437	JUNCT_1436	CONDUIT	346.6	0.3491	0.0200
1438	JUNCT_1438	JUNCT_1437	CONDUIT	182.4	0.3619	0.0200
1438_OFL	JUNCT_1438	JUNCT_1435	CONDUIT	516.8	2.3756	0.0350
1439	JUNCT_1439	JUNCT_1438	CONDUIT	154.7	4.3347	0.0200
1439_OFL	JUNCT_1439	JUNCT_1438	CONDUIT	154.7	1.6336	0.0200
1440	JUNCT_1440	JUNCT_1439	CONDUIT	302.8	2.9740	0.0200
1440_OFL	JUNCT_1440	JUNCT_1439	CONDUIT	302.8	3.5497	0.0200
1505	JUNCT_1505	JUNCT_1504	CONDUIT	832.7	0.8406	0.0200
1505_OFL	JUNCT_1505	JUNCT_1504	CONDUIT	832.7	0.8430	0.0200
1509	JUNCT_1509	JUNCT_1505	CONDUIT	1302.7	2.7369	0.0200
1510	JUNCT_1510	JUNCT_1509	CONDUIT	212.7	2.6617	0.0200
1515	JUNCT_1515	JUNCT_1505	CONDUIT	636.1	0.2641	0.0200
1515_OFL	JUNCT_1515	JUNCT_1505	CONDUIT	636.1	0.3710	0.0200
1515-1	JUNCT_1515-1	JUNCT_1515	CONDUIT	576.4	2.5062	0.0200
1515-1_OFL	JUNCT_1515-1	JUNCT_1515	CONDUIT	576.4	0.6628	0.0200
1515-2	JUNCT_1515-2	JUNCT_1515-1	CONDUIT	517.1	2.8592	0.0200
1515-2_OFL	JUNCT_1515-2	JUNCT_1515-1	CONDUIT	517.1	2.7857	0.0200
1516	JUNCT_1516	JUNCT_1515-2	CONDUIT	177.0	2.4356	0.0200
1516_OFL	JUNCT_1516	JUNCT_1515-2	CONDUIT	177.0	2.7579	0.0200
1517	JUNCT_1517	JUNCT_1516	CONDUIT	304.7	1.0536	0.0200
1517_OFL	JUNCT_1517	JUNCT_1516	CONDUIT	304.7	0.8600	0.0200
1518	JUNCT_1518	JUNCT_1517	CONDUIT	1515.6	2.8165	0.0200
1518_OFL	JUNCT_1518	JUNCT_1517	CONDUIT	1515.6	2.8581	0.0200
1519	JUNCT_1519	JUNCT_1518	CONDUIT	99.5	1.6386	0.0200
1519_OFL	JUNCT_1519	JUNCT_1518	CONDUIT	99.5	3.8223	0.0200
1520	JUNCT_1520	JUNCT_1519	CONDUIT	440.7	1.8475	0.0200
1520_OFL	JUNCT_1520	JUNCT_1519	CONDUIT	440.7	1.2096	0.0200
1521	JUNCT_1521	JUNCT_1520	CONDUIT	2047.6	2.8879	0.0200
1525	JUNCT_1525	JUNCT_1515	CONDUIT	875.1	0.3005	0.0200
1525_SPLIT	JUNCT_1525	JUNCT_1061	CONDUIT	1221.8	0.7735	0.0200
1526	JUNCT_1526	JUNCT_1526-1	CONDUIT	2656.6	1.9419	0.0200
1526-1	JUNCT_1526-1	JUNCT_1525	CONDUIT	590.5	0.4978	0.0200
1529	JUNCT_1529	JUNCT_1525	CONDUIT	1256.4	1.5913	0.0200
1529_OFL	JUNCT_1529	JUNCT_1525	CONDUIT	1256.4	0.8748	0.0200
1530	JUNCT_1530	JUNCT_1529	CONDUIT	1492.2	2.1665	0.0200
1530_OFL	JUNCT_1530	JUNCT_1529	CONDUIT	1492.2	2.0511	0.0200
1535	JUNCT_1535	JUNCT_1530	CONDUIT	2933.7	2.4788	0.0200
1599	JUNCT_1599	JUNCT_1598	CONDUIT	132.9	7.7438	0.0200
1599_OFL	JUNCT_1599	JUNCT_1598	CONDUIT	151.2	5.2329	0.0200
1600	JUNCT_1600	JUNCT_1599	CONDUIT	688.9	0.3092	0.0200
1600_OFL	JUNCT_1600	JUNCT_1599	CONDUIT	688.9	0.0044	0.0350
1605	JUNCT_1605	JUNCT_1600	CONDUIT	586.1	2.1263	0.0200

1605_OFL	JUNCT_1605	JUNCT_1600	CONDUIT	586.1	2.3056	0.0350	1867	JUNCT_1867	JUNCT_1860	CONDUIT	184.1	0.5161	0.0200
1610	JUNCT_1610	JUNCT_1605	CONDUIT	1021.9	0.9845	0.0200	1867_OFL	JUNCT_1867	JUNCT_1860	CONDUIT	184.1	0.2608	0.0200
1615	JUNCT_1615	JUNCT_1605	CONDUIT	1363.7	0.4070	0.0200	1868	JUNCT_1868	JUNCT_1867	CONDUIT	302.1	1.6453	0.0200
1615_OFL	JUNCT_1615	JUNCT_1605	CONDUIT	1363.7	0.4407	0.0200	1868_OFL	JUNCT_1868	JUNCT_1867	CONDUIT	302.1	4.5063	0.0200
1618	JUNCT_1618	JUNCT_1615	CONDUIT	418.8	0.7020	0.0200	1868-1_SPLIT	JUNCT_1868-1	JUNCT_1867	CONDUIT	312.5	3.7464	0.0200
1618_OFL	JUNCT_1618	JUNCT_1615	CONDUIT	418.8	0.0540	0.0200	1869	JUNCT_1869	JUNCT_1868	CONDUIT	369.4	0.8013	0.0200
1619	JUNCT_1619	JUNCT_1618	CONDUIT	318.8	0.7120	0.0200	1869_OFL	JUNCT_1869	JUNCT_1868	CONDUIT	369.4	0.6497	0.0200
1619_OFL	JUNCT_1619	JUNCT_1618	CONDUIT	318.8	0.1424	0.0200	1869-1_SPLIT	JUNCT_1869-1	JUNCT_1868-1	CONDUIT	326.5	1.6237	0.0600
1620	JUNCT_1620	JUNCT_1619	CONDUIT	339.8	0.7122	0.0200	1870	JUNCT_1870	JUNCT_1869	CONDUIT	469.4	0.7990	0.0200
1620_OFL	JUNCT_1620	JUNCT_1619	CONDUIT	339.8	0.5032	0.0200	1870_SPLIT	JUNCT_1870	JUNCT_1869-1	CONDUIT	378.9	1.1349	0.0600
1624	JUNCT_1624	JUNCT_1619	CONDUIT	528.2	1.2996	0.0200	1875	JUNCT_1875	JUNCT_1870	CONDUIT	1472.6	2.5419	0.0200
1625	JUNCT_1625	JUNCT_1624	CONDUIT	806.7	0.2772	0.0200	1879	JUNCT_1879	JUNCT_1883	CONDUIT	420.5	1.6386	0.0200
1630	JUNCT_1630	JUNCT_1618	CONDUIT	1258.5	0.8638	0.0200	1879_SPLIT	JUNCT_1879	JUNCT_1882	CONDUIT	617.5	1.2974	0.0600
1631	JUNCT_1631	JUNCT_1630	CONDUIT	1267.5	0.2919	0.0200	1880	JUNCT_1880	JUNCT_1879	CONDUIT	218.5	0.6407	0.0200
1699	JUNCT_1699	JUNCT_1705	CONDUIT	317.8	0.6891	0.0200	1880_OFL	JUNCT_1880	JUNCT_1879	CONDUIT	278.5	0.8006	0.0200
1699_OFL	JUNCT_1699	JUNCT_1705	CONDUIT	317.8	0.5853	0.0200	1882	JUNCT_1882	JUNCT_1870	CONDUIT	198.1	0.7978	0.0200
1700	JUNCT_1700	JUNCT_1699	CONDUIT	505.5	0.6172	0.0200	1882_OFL	JUNCT_1882	JUNCT_1870	CONDUIT	198.1	0.5150	0.0200
1700_OFL	JUNCT_1700	JUNCT_1699	CONDUIT	505.5	2.4040	0.0200	1883	JUNCT_1883	JUNCT_1882	CONDUIT	262.6	0.7998	0.0200
1707	JUNCT_1707	JUNCT_1700	CONDUIT	353.9	0.7008	0.0200	1883_OFL	JUNCT_1883	JUNCT_1882	CONDUIT	262.6	1.8435	0.0200
1707_OFL	JUNCT_1707	JUNCT_1700	CONDUIT	353.9	2.1424	0.0200	1883-1_SPLIT	JUNCT_1883-1	JUNCT_1870	CONDUIT	543.9	1.0112	0.0600
1708	JUNCT_1708	JUNCT_1707	CONDUIT	661.9	0.3686	0.0200	1884	JUNCT_1884	JUNCT_1883	CONDUIT	395.9	1.5838	0.0200
1708_OFL	JUNCT_1708	JUNCT_1707	CONDUIT	661.9	0.1919	0.0200	1884-1_SPLIT	JUNCT_1884-1	JUNCT_1883-1	CONDUIT	349.7	0.3145	0.0600
1709	JUNCT_1709	JUNCT_1708	CONDUIT	631.8	1.3344	0.0200	1885	JUNCT_1885	JUNCT_1884	CONDUIT	299.0	1.2442	0.0200
1709_OFL	JUNCT_1709	JUNCT_1708	CONDUIT	631.8	0.2691	0.0200	1885_SPLIT	JUNCT_1885	JUNCT_1884-1	CONDUIT	569.6	1.0183	0.0600
1710	JUNCT_1710	JUNCT_1709	CONDUIT	360.9	2.1066	0.0200	1890	JUNCT_1890	JUNCT_1885	CONDUIT	613.1	0.6002	0.0200
1710_SPLIT	JUNCT_1710	JUNCT_1425	CONDUIT	1341.7	0.4621	0.0200	1890_OFL	JUNCT_1890	JUNCT_1885	CONDUIT	613.1	1.1140	0.0200
1715	JUNCT_1715	JUNCT_1710	CONDUIT	434.4	2.2107	0.0600	1894	JUNCT_1895	JUNCT_1890	CONDUIT	535.8	0.6009	0.0200
1718	JUNCT_1718	JUNCT_1715	CONDUIT	392.4	4.0294	0.0600	1894_SPLIT	JUNCT_1895	JUNCT_1885	CONDUIT	853.9	0.5551	0.0600
1719	JUNCT_1719	JUNCT_1718	CONDUIT	271.7	2.1352	0.0200	1897	JUNCT_1897	JUNCT_1895	CONDUIT	160.4	0.3116	0.0200
1720	JUNCT_1720	JUNCT_1719	CONDUIT	676.7	0.7832	0.0200	1898	JUNCT_1898	JUNCT_1897	CONDUIT	318.6	0.1287	0.0200
1815	JUNCT_1815	JUNCT_1800	CONDUIT	1753.3	0.3023	0.0200	1898_SPLIT	JUNCT_1898	JUNCT_1895	CONDUIT	385.0	1.2261	0.0600
1815_OFL	JUNCT_1815	JUNCT_1800	CONDUIT	1753.3	0.9240	0.0200	1899	JUNCT_1899	JUNCT_1898	CONDUIT	123.5	2.7224	0.0200
1817	JUNCT_1817	JUNCT_1815	CONDUIT	663.4	0.4070	0.0200	1899_OFL	JUNCT_1899	JUNCT_1898	CONDUIT	123.5	0.5022	0.0200
1817_OFL	JUNCT_1817	JUNCT_1815	CONDUIT	663.4	1.2512	0.0200	1900	JUNCT_1900	JUNCT_1899	CONDUIT	494.6	0.8857	0.0200
1818	JUNCT_1818	JUNCT_1817	CONDUIT	626.5	0.7327	0.0200	1900_OFL	JUNCT_1900	JUNCT_1899	CONDUIT	494.6	0.5096	0.0200
1818_OFL	JUNCT_1818	JUNCT_1817	CONDUIT	626.5	0.1261	0.0200	1905	JUNCT_1905	JUNCT_1900	CONDUIT	581.0	1.3944	0.0350
1819	JUNCT_1820	JUNCT_1818	CONDUIT	498.7	1.5663	0.0200	1910	JUNCT_1910	JUNCT_1905	CONDUIT	326.0	1.2271	0.0350
1819_OFL	JUNCT_1819	JUNCT_1818	CONDUIT	498.7	0.7439	0.0200	1920	JUNCT_1920	JUNCT_1900	CONDUIT	1975.3	1.8735	0.0200
1820_OFL	JUNCT_1819	JUNCT_1631	CONDUIT	477.5	0.1675	0.0200	1925	JUNCT_1925	JUNCT_1823	CONDUIT	1067.3	1.8693	0.0200
1823	JUNCT_1823	JUNCT_1818	CONDUIT	446.4	0.5964	0.0200	1930	JUNCT_1930	JUNCT_1925	CONDUIT	2216.3	0.5189	0.0200
1823_OFL	JUNCT_1823	JUNCT_1818	CONDUIT	446.4	0.7465	0.0200	1934	JUNCT_1934	JUNCT_1820	CONDUIT	477.5	0.5026	0.0200
1824	JUNCT_1824	JUNCT_1823	CONDUIT	431.0	0.4915	0.0200	1934_SPLIT	JUNCT_1934	JUNCT_1631	CONDUIT	148.3	0.6067	0.0200
1824_OFL	JUNCT_1824	JUNCT_1820	CONDUIT	1005.2	1.2307	0.0200	1935	JUNCT_1935	JUNCT_1934	CONDUIT	393.3	0.2034	0.0200
1825	JUNCT_1825	JUNCT_1824	CONDUIT	433.3	1.2832	0.0200	1935_OFL	JUNCT_1935	JUNCT_1934	CONDUIT	393.3	0.0534	0.0200
1825_OFL	JUNCT_1825	JUNCT_1824	CONDUIT	433.3	0.7639	0.0200	1943	JUNCT_1943	JUNCT_1935	CONDUIT	302.9	0.2543	0.0200
1830	JUNCT_1830	JUNCT_1820	CONDUIT	1253.4	1.3005	0.0200	1943_OFL	JUNCT_1943	JUNCT_1935	CONDUIT	302.9	1.8696	0.0200
1831	JUNCT_1831	JUNCT_1831-1	CONDUIT	499.0	0.4991	0.0200	1944	JUNCT_1944	JUNCT_1943	CONDUIT	714.5	4.2681	0.0200
1831_OFL	JUNCT_1831	JUNCT_1831-1	CONDUIT	499.0	0.1162	0.0600	1944_OFL	JUNCT_1944	JUNCT_1943	CONDUIT	714.5	5.0642	0.0200
1831-1	JUNCT_1831-1	JUNCT_1825	CONDUIT	122.8	1.1319	0.0200	1945	JUNCT_1945	JUNCT_1944	CONDUIT	569.8	1.7920	0.0200
1831-1_OFL	JUNCT_1831-1	JUNCT_1825	CONDUIT	122.8	1.1319	0.0200	1945_OFL	JUNCT_1945	JUNCT_1944	CONDUIT	569.8	0.7967	0.0200
1832	JUNCT_1832	JUNCT_1831	CONDUIT	744.5	0.3371	0.0200	1945-1	JUNCT_1945-1	JUNCT_1945	CONDUIT	636.2	2.1208	0.0200
1832_OFL	JUNCT_1832	JUNCT_1831	CONDUIT	744.5	0.6044	0.0200	1946	JUNCT_1946	JUNCT_1945-1	CONDUIT	418.0	0.7202	0.0200
1833	JUNCT_1833	JUNCT_1832	CONDUIT	580.8	2.0425	0.0200	1946_SPLIT	JUNCT_1946	JUNCT_1945	CONDUIT	815.3	1.4537	0.0600
1833_OFL	JUNCT_1833	JUNCT_1832	CONDUIT	580.8	1.5842	0.0200	1947	JUNCT_1947	JUNCT_1946	CONDUIT	244.9	1.1596	0.0200
1834	JUNCT_1834	JUNCT_1833	CONDUIT	497.7	2.4800	0.0200	1947_OFL	JUNCT_1947	JUNCT_1946	CONDUIT	244.9	3.8529	0.0200
1834_OFL	JUNCT_1834	JUNCT_1833	CONDUIT	497.7	0.3456	0.0200	1948	JUNCT_1948	JUNCT_1947	CONDUIT	349.1	1.8937	0.0200
1840	JUNCT_1840	JUNCT_1849	CONDUIT	367.5	0.8707	0.0200	1948_SPLIT	JUNCT_1948	JUNCT_1946	CONDUIT	425.0	2.3937	0.0600
1845	JUNCT_1845	JUNCT_1840	CONDUIT	542.9	1.1053	0.0200	1949	JUNCT_1949	JUNCT_1949-1	CONDUIT	351.3	0.3587	0.0200
1854	JUNCT_1854	JUNCT_1845	CONDUIT	533.5	0.4124	0.0200	1949_OFL	JUNCT_1949	JUNCT_1949-1	CONDUIT	351.3	0.4982	0.0200
1855	JUNCT_1855	JUNCT_1854	CONDUIT	220.6	0.2267	0.0200	1949-1	JUNCT_1949-1	JUNCT_1948	CONDUIT	323.3	1.8811	0.0200
1857	JUNCT_1857	JUNCT_1855	CONDUIT	117.2	0.0853	0.0200	1949-1_OFL	JUNCT_1949-1	JUNCT_1948	CONDUIT	323.3	3.6401	0.0200
1858	JUNCT_1858	JUNCT_1857	CONDUIT	41.8	0.1196	0.0200	1950	JUNCT_1950	JUNCT_1949	CONDUIT	348.4	0.5196	0.0200
1858_OFL	JUNCT_1858	JUNCT_1857	CONDUIT	41.8	28.0044	0.0350	1950_OFL	JUNCT_1950	JUNCT_1949	CONDUIT	348.4	1.2258	0.0200
1859	JUNCT_1859	JUNCT_1858	CONDUIT	236.4	0.9816	0.0200	1951	JUNCT_1951	JUNCT_1950	CONDUIT	297.4	0.3598	0.0200
1860	JUNCT_1860	JUNCT_1859	CONDUIT	157.0	0.6688	0.0200	1951_OFL	JUNCT_1951	JUNCT_1950	CONDUIT	297.4	0.7935	0.0200
1860_SPLIT	JUNCT_1860	JUNCT_1857	CONDUIT	389.3	3.6547	0.0600	1952	JUNCT_1952	JUNCT_1951	CONDUIT	313.8	0.4398	0.0200

1952_OFL	JUNCT_1952	JUNCT_1951	CONDUIT	313.8	1.8198	0.0200	DUMMY_835	835	POND_1835	CONDUIT	100.0	0.0200	0.0100
1953	JUNCT_1953	JUNCT_1952	CONDUIT	499.3	0.4406	0.0200	DUMMY_840	840	JUNCT_1840	CONDUIT	100.0	0.0010	0.0100
1953_SPLIT	JUNCT_1953	JUNCT_1950	CONDUIT	806.2	0.6810	0.0600	DUMMY_845	845	JUNCT_1845	CONDUIT	100.0	0.0010	0.0100
1954	JUNCT_1954	JUNCT_1953	CONDUIT	190.6	0.4407	0.0200	DUMMY_850	850	JUNCT_1845	CONDUIT	100.0	0.0010	0.0100
1954_OFL	JUNCT_1954	JUNCT_1953	CONDUIT	190.6	0.4198	0.0200	DUMMY_855	855	JUNCT_1855	CONDUIT	100.0	0.0010	0.0100
1955	JUNCT_1955	JUNCT_1954	CONDUIT	332.3	0.5598	0.0200	DUMMY_860	860	JUNCT_1860	CONDUIT	100.0	0.0010	0.0100
1955_OFL	JUNCT_1955	JUNCT_1954	CONDUIT	332.3	0.3612	0.0200	DUMMY_865	865	JUNCT_1870	CONDUIT	100.0	0.0010	0.0100
1956	JUNCT_1956	JUNCT_1955	CONDUIT	376.6	1.2216	0.0200	DUMMY_870	870	JUNCT_1870	CONDUIT	100.0	0.0010	0.0100
1957	JUNCT_1957	JUNCT_1956	CONDUIT	444.1	0.9457	0.0600	DUMMY_875	875	JUNCT_1875	CONDUIT	100.0	0.0010	0.0100
1958	JUNCT_1958	JUNCT_1957	CONDUIT	667.4	0.7043	0.0200	DUMMY_880	880	JUNCT_1880	CONDUIT	100.0	0.0010	0.0100
1959	JUNCT_1959	JUNCT_1958	CONDUIT	973.6	0.5033	0.0200	DUMMY_885	885	JUNCT_1885	CONDUIT	100.0	0.0010	0.0100
1960	JUNCT_1960	JUNCT_1959	CONDUIT	371.6	0.1345	0.0200	DUMMY_890	890	JUNCT_1890	CONDUIT	100.0	0.0010	0.0100
DUMMY_1059	JUNCT_1059	OTF_1059	CONDUIT	100.0	0.0500	0.0100	DUMMY_895	895	JUNCT_1895	CONDUIT	100.0	0.0010	0.0100
DUMMY_1148	JUNCT_1148	OTF_1148	CONDUIT	100.0	0.0500	0.0100	DUMMY_900	900	JUNCT_1900	CONDUIT	100.0	0.0010	0.0100
DUMMY_140	140	JUNCT_1140	CONDUIT	100.0	0.0010	0.0100	DUMMY_905	905	JUNCT_1905	CONDUIT	100.0	0.0010	0.0100
DUMMY_1406	JUNCT_1406	OTF_1406	CONDUIT	100.0	0.0500	0.0100	DUMMY_910	910	JUNCT_1910	CONDUIT	100.0	0.0010	0.0100
DUMMY_1420	JUNCT_1420	OTF_1420	CONDUIT	100.0	0.0500	0.0100	DUMMY_915	915	JUNCT_1900	CONDUIT	100.0	0.0010	0.0100
DUMMY_1435	JUNCT_1435	POND_1435	CONDUIT	100.0	0.0100	0.0100	DUMMY_920	920	JUNCT_1920	CONDUIT	100.0	0.0010	0.0100
DUMMY_145	145	JUNCT_1145	CONDUIT	100.0	0.0010	0.0100	DUMMY_925	925	JUNCT_1925	CONDUIT	100.0	0.0010	0.0100
DUMMY_150	150	JUNCT_1148	CONDUIT	100.0	0.0010	0.0100	DUMMY_930	930	JUNCT_1930	CONDUIT	100.0	0.0010	0.0100
DUMMY_1504	JUNCT_1504	OTF_1504	CONDUIT	100.0	0.0500	0.0100	DUMMY_935	935	JUNCT_1935	CONDUIT	100.0	0.0010	0.0100
DUMMY_155	155	JUNCT_1155	CONDUIT	100.0	0.0010	0.0100	DUMMY_940	940	JUNCT_1945	CONDUIT	100.0	2.3506	0.0100
DUMMY_1598	JUNCT_1598	OTF_1598	CONDUIT	100.0	0.0500	0.0100	DUMMY_949	945	JUNCT_1945	CONDUIT	100.0	0.0010	0.0100
DUMMY_160	160	JUNCT_1160	CONDUIT	100.0	0.0010	0.0100	DUMMY_950	950	JUNCT_1950	CONDUIT	100.0	0.0010	0.0100
DUMMY_165	165	JUNCT_1155	CONDUIT	100.0	0.0010	0.0100	DUMMY_955	955	JUNCT_1955	CONDUIT	100.0	0.0010	0.0100
DUMMY_1698	JUNCT_1705	OTF_1698	CONDUIT	100.0	2.4207	0.0100	DUMMY_960	960	JUNCT_1960	CONDUIT	100.0	0.0010	0.0100
DUMMY_170	170	JUNCT_1170	CONDUIT	100.0	0.0010	0.0100	POND_1435_OUT	POND_1435	JUNCT_1434	OUTLET			
DUMMY_1800	JUNCT_1800	OTF_1800	CONDUIT	100.0	0.0500	0.0100	POND_1835_OUT	POND_1835	JUNCT_1834	OUTLET			
DUMMY_1819	JUNCT_1820	JUNCT_1819	CONDUIT	100.0	0.0010	0.0100							
DUMMY_1849	JUNCT_1849	POND_1835	CONDUIT	100.0	4.9059	0.0100							
DUMMY_410	410	JUNCT_1410	CONDUIT	100.0	0.0010	0.0100							
DUMMY_415	415	JUNCT_1415	CONDUIT	100.0	0.0010	0.0100							
DUMMY_420	420	JUNCT_1420	CONDUIT	100.0	0.0010	0.0100							
DUMMY_425	425	JUNCT_1425	CONDUIT	100.0	0.0010	0.0100							
DUMMY_430	430	JUNCT_1430	CONDUIT	100.0	0.0010	0.0100							
DUMMY_435	435	JUNCT_1435	CONDUIT	100.0	0.0010	0.0100							
DUMMY_440	440	JUNCT_1440	CONDUIT	100.0	0.0010	0.0100							
DUMMY_505	505	JUNCT_1505	CONDUIT	100.0	0.0010	0.0100							
DUMMY_510	510	JUNCT_1510	CONDUIT	100.0	0.0010	0.0100							
DUMMY_515	515	JUNCT_1515	CONDUIT	100.0	0.0010	0.0100							
DUMMY_520	520	JUNCT_1520	CONDUIT	100.0	0.0010	0.0100							
DUMMY_521	521	JUNCT_1521	CONDUIT	100.0	0.0010	0.0100							
DUMMY_525	525	JUNCT_1525	CONDUIT	100.0	0.0010	0.0100							
DUMMY_526	526	JUNCT_1526	CONDUIT	100.0	0.0010	0.0100							
DUMMY_530	530	JUNCT_1530	CONDUIT	100.0	0.0010	0.0100							
DUMMY_535	535	JUNCT_1535	CONDUIT	100.0	0.0010	0.0100							
DUMMY_56	56	JUNCT_1061	CONDUIT	100.0	0.0010	0.0100							
DUMMY_60	60	JUNCT_1060	CONDUIT	100.0	0.0010	0.0100							
DUMMY_600	600	JUNCT_1600	CONDUIT	100.0	0.0010	0.0100							
DUMMY_605	605	JUNCT_1605	CONDUIT	100.0	0.0010	0.0100							
DUMMY_61	61	JUNCT_1061	CONDUIT	100.0	0.0010	0.0100							
DUMMY_610	610	JUNCT_1610	CONDUIT	100.0	0.0010	0.0100							
DUMMY_615	615	JUNCT_1615	CONDUIT	100.0	0.0010	0.0100							
DUMMY_620	620	JUNCT_1620	CONDUIT	100.0	0.0010	0.0100							
DUMMY_625	625	JUNCT_1625	CONDUIT	100.0	0.0010	0.0100							
DUMMY_630	630	JUNCT_1630	CONDUIT	100.0	0.0010	0.0100							
DUMMY_700	700	JUNCT_1700	CONDUIT	100.0	0.0010	0.0100							
DUMMY_705	705	JUNCT_1705	CONDUIT	100.0	0.0010	0.0100							
DUMMY_710	710	JUNCT_1710	CONDUIT	100.0	0.0010	0.0100							
DUMMY_715	715	JUNCT_1715	CONDUIT	100.0	0.0010	0.0100							
DUMMY_720	720	JUNCT_1720	CONDUIT	100.0	0.0010	0.0100							
DUMMY_800	800	JUNCT_1800	CONDUIT	100.0	0.0010	0.0100							
DUMMY_815	815	JUNCT_1815	CONDUIT	100.0	0.0010	0.0100							
DUMMY_820	820	JUNCT_1820	CONDUIT	100.0	0.0010	0.0100							
DUMMY_825	825	JUNCT_1825	CONDUIT	100.0	0.0010	0.0100							
DUMMY_830	830	JUNCT_1830	CONDUIT	100.0	0.0010	0.0100							

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
1060	RECT_CLOSED	5.00	35.00	1.46	7.00	2	237.63
1060_SPLIT	TRAPEZOIDAL	5.00	635.00	3.14	202.00	1	7972.39
1061	RECT_CLOSED	5.00	35.00	1.46	7.00	2	236.56
1061_OFL	TRAPEZOIDAL	5.00	825.00	3.43	240.00	1	5353.02
1139	RECT_CLOSED	4.58	27.85	1.31	6.08	1	141.95
1139_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	18511.50
1140	CIRCULAR	4.00	12.57	1.00	4.00	1	116.22
1140_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	45221.01
1145	CIRCULAR	3.50	9.62	0.88	3.50	1	104.84
1145_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	53222.10
1148-1	RECT_CLOSED	4.58	27.85	1.31	6.08	1	325.14
1148-1_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	42075.19
1155	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	9824.72
1160	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	7208.74
1170	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	18526.45
1407	CIRCULAR	3.00	7.07	0.75	3.00	1	70.49
1408	CIRCULAR	3.00	7.07	0.75	3.00	1	39.06
1409	CIRCULAR	3.00	7.07	0.75	3.00	1	34.60
1409_SPLIT	TRAPEZOIDAL	10.00	2200.00	5.94	370.00	1	63432.95
1410	CIRCULAR	3.00	7.07	0.75	3.00	1	48.96
1410_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	1439172.57
1413	CIRCULAR	6.00	28.27	1.50	6.00	1	127.63
1413_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	12918.29
1414	CIRCULAR	6.00	28.27	1.50	6.00	1	106.99
1414_SPLIT	LocalStreet	10.31	1109.83	4.90	177.00	1	19120.07
1415	CIRCULAR	6.00	28.27	1.50	6.00	1	150.89
1415-1	CIRCULAR	6.00	28.27	1.50	6.00	1	157.59
1422_1	CIRCULAR	6.00	28.27	1.50	6.00	1	158.79
1423	CIRCULAR	6.00	28.27	1.50	6.00	1	146.64
1424	CIRCULAR	6.00	28.27	1.50	6.00	1	240.65

1424-1	CIRCULAR	4.00	12.57	1.00	4.00	1	73.08	1618	CIRCULAR	3.00	7.07	0.75	3.00	1	36.32
1425_1	CIRCULAR	4.00	12.57	1.00	4.00	1	26.97	1618_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	7093.51
1425_OFL	TRAPEZOIDAL	5.00	775.00	3.36	230.00	1	10952.71	1619	CIRCULAR	3.00	7.07	0.75	3.00	1	36.58
1429	LocalStreet	10.31	1109.83	4.90	177.00	1	11920.89	1619_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	11523.07
1430	CIRCULAR	3.00	7.07	0.75	3.00	1	4.42	1620	CIRCULAR	3.00	7.07	0.75	3.00	1	36.59
1430_SPLIT	LocalStreet	10.31	1109.83	4.90	177.00	1	16328.10	1620_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	21662.09
1432	CIRCULAR	3.00	7.07	0.75	3.00	1	43.15	1624	LocalStreet	10.31	1109.83	4.90	177.00	1	27104.50
1432_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	14714.93	1625	LocalStreet	10.31	1109.83	4.90	177.00	1	12517.40
1432-1	CIRCULAR	2.00	3.14	0.50	2.00	1	33.35	1630	CollectorStreet	10.97	1325.99	5.46	195.00	1	28380.29
1432-1_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	57189.09	1631	CollectorStreet	10.97	1325.99	5.46	195.00	1	16498.50
1432-2	CIRCULAR	2.00	3.14	0.50	2.00	1	34.31	1699	RECT_CLOSED	5.00	40.00	1.54	8.00	1	328.79
1432-2_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	63118.98	1699_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	23361.15
1432-3	CIRCULAR	2.00	3.14	0.50	2.00	1	15.28	1700	CIRCULAR	6.00	28.27	1.50	6.00	1	216.26
1432-3_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	26017.75	1700_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	47346.42
1433	CIRCULAR	2.00	3.14	0.50	2.00	1	18.61	1707	CIRCULAR	6.00	28.27	1.50	6.00	1	230.45
1433_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	5541.20	1707_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	44695.80
1434	CIRCULAR	1.25	1.23	0.31	1.25	1	3.71	1708	CIRCULAR	6.00	28.27	1.50	6.00	1	167.14
1434_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	10356.51	1708_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	13376.01
1434-1	CIRCULAR	3.50	9.62	0.88	3.50	1	38.07	1709	CIRCULAR	6.00	28.27	1.50	6.00	1	317.99
1436	CIRCULAR	3.50	9.62	0.88	3.50	1	38.76	1709_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	15839.95
1437	CIRCULAR	3.50	9.62	0.88	3.50	1	38.64	1710	CIRCULAR	4.00	12.57	1.00	4.00	1	135.51
1438	CIRCULAR	3.00	7.07	0.75	3.00	1	26.08	1710_SPLIT	TRAPEZOIDAL	5.00	775.00	3.36	230.00	1	8789.33
1438_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	31225.21	1715	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	17571.15
1439	CIRCULAR	2.50	4.91	0.63	2.50	1	55.51	1718	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	23722.50
1439_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	30388.50	1719	LocalStreet	10.31	1109.83	4.90	177.00	1	34742.54
1440	CIRCULAR	2.50	4.91	0.63	2.50	1	45.98	1720	LocalStreet	10.31	1109.83	4.90	177.00	1	21041.92
1440_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	44795.42	1815	CIRCULAR	7.66	46.08	1.92	7.66	1	290.31
1505	CIRCULAR	5.50	23.76	1.38	5.50	1	200.13	1815_OFL	OxfordAvenue	19.20	3687.04	8.51	321.00	1	109738.97
1505_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	28037.34	1817	CIRCULAR	7.66	46.08	1.92	7.66	1	336.85
1509	CollectorStreet	10.97	1325.99	5.46	195.00	1	50518.29	1817_OFL	OxfordAvenue	19.20	3687.04	8.51	321.00	1	127697.46
1510	CollectorStreet	10.97	1325.99	5.46	195.00	1	49819.46	1818	CIRCULAR	6.50	33.18	1.63	6.50	1	291.69
1515	CIRCULAR	5.50	23.76	1.38	5.50	1	112.18	1818_OFL	OxfordAvenue	19.20	3687.04	8.51	321.00	1	40539.20
1515_OFL	TRAPEZOIDAL	5.00	800.00	3.40	235.00	1	8185.75	1819	CIRCULAR	6.50	33.18	1.63	6.50	1	426.49
1515-1	CIRCULAR	3.50	9.62	0.88	3.50	1	103.53	1819_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	30579.56
1515-1_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	24860.53	1820_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	14511.21
1515-2	CIRCULAR	3.00	7.07	0.75	3.00	1	73.31	1823	CIRCULAR	7.00	38.48	1.75	7.00	1	320.67
1515-2_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	50966.20	1823_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	20542.54
1516	CIRCULAR	3.50	9.62	0.88	3.50	1	102.06	1824	CIRCULAR	7.00	38.48	1.75	7.00	1	291.10
1516_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	50711.70	1824_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	39331.23
1517	CIRCULAR	3.50	9.62	0.88	3.50	1	67.13	1825	CIRCULAR	7.00	38.48	1.75	7.00	1	470.37
1517_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	28317.66	1825_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	20779.96
1518	CIRCULAR	3.00	7.07	0.75	3.00	1	72.76	1830	LocalStreet	10.31	1109.83	4.90	177.00	1	27114.48
1518_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	51624.32	1831	CIRCULAR	7.00	38.48	1.75	7.00	1	293.34
1519	RECT_CLOSED	2.42	9.07	0.74	3.75	1	70.32	1831_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	4029.24
1519_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	59700.75	1831-1	CIRCULAR	7.00	38.48	1.75	7.00	1	441.77
1520	CIRCULAR	3.00	7.07	0.75	3.00	1	58.93	1831-1_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	32487.62
1520_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	33584.11	1832	CIRCULAR	6.30	31.17	1.57	6.30	1	182.05
1521	CollectorStreet	10.97	1325.99	5.46	195.00	1	51893.32	1832_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	18484.64
1525	CIRCULAR	5.50	23.76	1.38	5.50	1	119.66	1833	CIRCULAR	5.00	19.63	1.25	5.00	1	241.94
1525_SPLIT	TRAPEZOIDAL	5.00	800.00	3.40	235.00	1	11818.64	1833_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	29926.05
1526	LocalStreet	10.31	1109.83	4.90	177.00	1	33132.79	1834	CIRCULAR	4.00	12.57	1.00	4.00	1	147.04
1526-1	TRAPEZOIDAL	5.00	800.00	3.40	235.00	1	9481.99	1834_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	13976.69
1529	CIRCULAR	4.00	12.57	1.00	4.00	1	117.78	1840	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	33081.51
1529_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	22237.77	1845	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	37272.99
1530	CIRCULAR	3.00	7.07	0.75	3.00	1	63.81	1854	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	22767.87
1530_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	34051.49	1855	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	16879.75
1535	LocalStreet	10.31	1109.83	4.90	177.00	1	37433.80	1857	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	10355.92
1599	CIRCULAR	7.00	38.48	1.75	7.00	1	1155.52	1858	CIRCULAR	6.33	31.47	1.58	6.33	1	109.83
1599_OFL	TRAPEZOIDAL	10.00	2500.00	6.24	400.00	1	144014.36	1858_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	107209.79
1600	CIRCULAR	7.00	38.48	1.75	7.00	1	230.89	1859	CIRCULAR	6.33	31.47	1.58	6.33	1	314.59
1600_OFL	TRAPEZOIDAL	15.00	4875.00	8.85	550.00	1	5842.71	1860	CIRCULAR	6.33	31.47	1.58	6.33	1	259.68
1605	CIRCULAR	6.00	28.27	1.50	6.00	1	401.41	1860_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	22592.58
1605_OFL	TRAPEZOIDAL	15.00	4875.00	8.85	550.00	1	134442.21	1867	CIRCULAR	5.00	19.63	1.25	5.00	1	121.62
1610	TRAPEZOIDAL	5.00	875.00	3.50	250.00	1	14856.76	1867_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	15593.96
1615	CIRCULAR	4.00	12.57	1.00	4.00	1	59.56	1868	CIRCULAR	6.33	31.47	1.58	6.33	1	407.30
1615_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	23536.51	1868_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	64822.80

1868-1_SPLIT	LocalStreet	10.31	1109.83	4.90	177.00	1	46020.31	1954_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	15404.11
1869	CIRCULAR	5.00	19.63	1.25	5.00	1	151.53	1955	CIRCULAR	3.00	7.07	0.75	3.00	1	32.44
1869_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	24612.77	1955_OFL	CollectorStreet	10.97	1325.99	5.46	195.00	1	18351.16
1869-1_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	15058.95	1956	CollectorStreet	10.97	1325.99	5.46	195.00	1	33749.95
1870	CIRCULAR	5.00	19.63	1.25	5.00	1	151.32	1957	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	11492.35
1870_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	12590.03	1958	LocalStreet	10.31	1109.83	4.90	177.00	1	19953.10
1875	TRAPEZOIDAL	5.00	775.00	3.36	230.00	1	20614.30	1959	LocalStreet	10.31	1109.83	4.90	177.00	1	16867.77
1879	CIRCULAR	3.50	9.62	0.88	3.50	1	83.71	1960	LocalStreet	10.31	1109.83	4.90	177.00	1	8720.94
1879_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	13460.79	DUMMY_1059	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1880	CIRCULAR	3.00	7.07	0.75	3.00	1	34.70	DUMMY_1148	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1880_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	21274.46	DUMMY_140	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1882	CIRCULAR	4.50	15.90	1.13	4.50	1	114.17	DUMMY_1406	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1882_OFL	TRAPEZOIDAL	5.00	775.00	3.36	230.00	1	9279.04	DUMMY_1420	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1883	CIRCULAR	4.50	15.90	1.13	4.50	1	114.31	DUMMY_1435	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1883_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	32282.17	DUMMY_145	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1883-1_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	11884.02	DUMMY_150	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1884	CIRCULAR	4.50	15.90	1.13	4.50	1	160.86	DUMMY_1504	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1884-1_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	6627.97	DUMMY_155	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1885	CIRCULAR	4.00	12.57	1.00	4.00	1	104.15	DUMMY_1598	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1885_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	11925.47	DUMMY_160	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1890	CIRCULAR	4.50	15.90	1.13	4.50	1	99.03	DUMMY_165	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1890_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	25095.03	DUMMY_1698	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1894	CIRCULAR	4.00	12.57	1.00	4.00	1	72.38	DUMMY_170	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1894_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	8804.74	DUMMY_1800	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1897	CIRCULAR	4.00	12.57	1.00	4.00	1	52.12	DUMMY_1819	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1898	CIRCULAR	3.00	7.07	0.75	3.00	1	15.55	DUMMY_1849	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1898_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	13085.59	DUMMY_410	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1899	CIRCULAR	4.00	12.57	1.00	4.00	1	154.06	DUMMY_415	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1899_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	16848.77	DUMMY_420	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1900	CIRCULAR	3.50	9.62	0.88	3.50	1	61.54	DUMMY_425	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1900_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	16972.01	DUMMY_430	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1905	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	23922.58	DUMMY_435	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1910	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	22442.33	DUMMY_440	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1920	LocalStreet	10.31	1109.83	4.90	177.00	1	32543.68	DUMMY_505	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1925	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	48472.40	DUMMY_510	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1930	LocalStreet	10.31	1109.83	4.90	177.00	1	17126.97	DUMMY_515	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1934	CIRCULAR	6.30	31.17	1.57	6.30	1	222.27	DUMMY_520	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1934_SPLIT	CollectorStreet	10.97	1325.99	5.46	195.00	1	23785.39	DUMMY_521	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1935	CIRCULAR	5.00	19.63	1.25	5.00	1	76.35	DUMMY_525	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1935_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	5494.07	DUMMY_526	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1943	CIRCULAR	5.00	19.63	1.25	5.00	1	85.36	DUMMY_530	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1943_OFL	OxfordAvenue	19.20	3687.04	8.51	321.00	1	156096.84	DUMMY_535	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1944	CIRCULAR	5.00	19.63	1.25	5.00	1	349.74	DUMMY_56	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1944_OFL	OxfordAvenue	19.20	3687.04	8.51	321.00	1	256910.09	DUMMY_60	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1945	CIRCULAR	4.50	15.90	1.13	4.50	1	171.11	DUMMY_600	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1945_OFL	OxfordAvenue	19.20	3687.04	8.51	321.00	1	101901.31	DUMMY_605	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1945-1	CIRCULAR	4.00	12.57	1.00	4.00	1	135.97	DUMMY_61	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1946	CIRCULAR	4.00	12.57	1.00	4.00	1	79.24	DUMMY_610	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1946_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	14248.69	DUMMY_615	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1947	CIRCULAR	3.50	9.62	0.88	3.50	1	70.42	DUMMY_620	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1947_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	46669.39	DUMMY_625	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1948	CIRCULAR	3.50	9.62	0.88	3.50	1	89.99	DUMMY_630	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1948_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	18284.02	DUMMY_700	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1949	HORIZ_ELLIPSE	3.17	12.90	0.97	5.00	1	56.21	DUMMY_705	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1949_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	16781.72	DUMMY_710	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1949-1	CIRCULAR	3.50	9.62	0.88	3.50	1	89.69	DUMMY_715	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1949-1_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	45362.58	DUMMY_720	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1950	HORIZ_ELLIPSE	3.17	12.90	0.97	5.00	1	67.65	DUMMY_800	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1950_OFL	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	39251.97	DUMMY_815	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1951	HORIZ_ELLIPSE	3.17	12.90	0.97	5.00	1	56.30	DUMMY_820	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1951_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	21179.73	DUMMY_825	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1952	CIRCULAR	3.50	9.62	0.88	3.50	1	43.37	DUMMY_830	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1952_OFL	LocalStreet	10.31	1109.83	4.90	177.00	1	32074.18	DUMMY_835	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1953	CIRCULAR	3.50	9.62	0.88	3.50	1	43.41	DUMMY_840	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1953_SPLIT	TRAPEZOIDAL	10.00	1600.00	5.15	310.00	1	9752.09	DUMMY_845	DUMMY	0.00	0.00	0.00	0.00	1	0.00
1954	CIRCULAR	3.50	9.62	0.88	3.50	1	43.42	DUMMY_850	DUMMY	0.00	0.00	0.00	0.00	1	0.00

DUMMY_855	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_860	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_865	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_870	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_875	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_880	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_885	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_890	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_895	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_900	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_905	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_910	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_915	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_920	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_925	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_930	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_935	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_940	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_949	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_950	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_955	DUMMY	0.00	0.00	0.00	0.00	1	0.00
DUMMY_960	DUMMY	0.00	0.00	0.00	0.00	1	0.00

****
Transect Summary
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Transect ArterialStreet
Area:

0.0024	0.0096	0.0179	0.0268	0.0362
0.0461	0.0566	0.0675	0.0790	0.0910
0.1036	0.1166	0.1302	0.1443	0.1589
0.1741	0.1897	0.2059	0.2226	0.2399
0.2576	0.2759	0.2947	0.3140	0.3339
0.3543	0.3752	0.3966	0.4185	0.4410
0.4640	0.4875	0.5115	0.5361	0.5611
0.5867	0.6129	0.6395	0.6667	0.6944
0.7226	0.7513	0.7806	0.8103	0.8406
0.8715	0.9028	0.9347	0.9671	1.0000

Hrad:

0.0218	0.0527	0.0927	0.1304	0.1659
0.1996	0.2316	0.2621	0.2912	0.3190
0.3456	0.3712	0.3959	0.4197	0.4426
0.4648	0.4864	0.5072	0.5275	0.5473
0.5665	0.5853	0.6036	0.6215	0.6391
0.6562	0.6731	0.6896	0.7058	0.7217
0.7374	0.7528	0.7680	0.7830	0.7977
0.8123	0.8266	0.8408	0.8549	0.8687
0.8824	0.8960	0.9094	0.9227	0.9359
0.9489	0.9618	0.9747	0.9874	1.0000

Width:

0.1461	0.2438	0.2596	0.2753	0.2911
0.3068	0.3226	0.3383	0.3541	0.3698
0.3856	0.4014	0.4171	0.4329	0.4486
0.4644	0.4801	0.4959	0.5116	0.5274
0.5431	0.5589	0.5746	0.5904	0.6062
0.6219	0.6377	0.6534	0.6692	0.6849
0.7007	0.7164	0.7322	0.7479	0.7637
0.7794	0.7952	0.8110	0.8267	0.8425
0.8582	0.8740	0.8897	0.9055	0.9212
0.9370	0.9527	0.9685	0.9842	1.0000

Transect CollectorStreet
Area:

0.0025	0.0089	0.0182	0.0279	0.0382
0.0489	0.0601	0.0718	0.0840	0.0966
0.1098	0.1234	0.1375	0.1521	0.1672
0.1828	0.1988	0.2153	0.2324	0.2499
0.2679	0.2863	0.3053	0.3247	0.3446
0.3650	0.3859	0.4073	0.4292	0.4515
0.4743	0.4976	0.5214	0.5457	0.5705
0.5957	0.6215	0.6477	0.6744	0.7016
0.7292	0.7574	0.7860	0.8151	0.8447
0.8748	0.9054	0.9364	0.9680	1.0000

Hrad:

0.0228	0.0410	0.0775	0.1143	0.1492
0.1826	0.2144	0.2450	0.2742	0.3024
0.3295	0.3556	0.3808	0.4052	0.4288
0.4517	0.4739	0.4954	0.5164	0.5368
0.5567	0.5762	0.5951	0.6137	0.6318
0.6495	0.6669	0.6839	0.7007	0.7171
0.7332	0.7491	0.7647	0.7800	0.7951
0.8100	0.8247	0.8391	0.8534	0.8675
0.8814	0.8952	0.9088	0.9222	0.9355
0.9487	0.9617	0.9746	0.9874	1.0000

Width:

0.1339	0.2675	0.2949	0.3099	0.3249
0.3399	0.3549	0.3699	0.3849	0.3999
0.4149	0.4299	0.4449	0.4599	0.4749
0.4899	0.5049	0.5199	0.5349	0.5499
0.5650	0.5800	0.5950	0.6100	0.6250
0.6400	0.6550	0.6700	0.6850	0.7000
0.7150	0.7300	0.7450	0.7600	0.7750
0.7900	0.8050	0.8200	0.8350	0.8500
0.8650	0.8800	0.8950	0.9100	0.9250
0.9400	0.9550	0.9700	0.9850	1.0000

Transect LocalStreet
Area:

0.0028	0.0099	0.0186	0.0277	0.0373
0.0475	0.0582	0.0693	0.0810	0.0932
0.1059	0.1191	0.1329	0.1471	0.1619
0.1771	0.1929	0.2092	0.2260	0.2433
0.2611	0.2794	0.2983	0.3176	0.3375
0.3579	0.3787	0.4001	0.4220	0.4444
0.4674	0.4908	0.5148	0.5392	0.5642
0.5897	0.6156	0.6421	0.6692	0.6967
0.7247	0.7533	0.7823	0.8119	0.8420
0.8725	0.9036	0.9353	0.9674	1.0000

Hrad:

0.0233	0.0496	0.0899	0.1277	0.1635
0.1973	0.2296	0.2603	0.2896	0.3176
0.3446	0.3704	0.3953	0.4194	0.4425
0.4650	0.4867	0.5078	0.5283	0.5482
0.5676	0.5865	0.6049	0.6230	0.6406
0.6578	0.6747	0.6913	0.7075	0.7235
0.7392	0.7546	0.7698	0.7847	0.7994
0.8139	0.8283	0.8424	0.8563	0.8701
0.8837	0.8971	0.9104	0.9236	0.9366
0.9496	0.9623	0.9750	0.9876	1.0000

Width:

0.1516	0.2544	0.2700	0.2855	0.3010
0.3165	0.3321	0.3476	0.3631	0.3787
0.3942	0.4097	0.4253	0.4408	0.4563
0.4719	0.4874	0.5029	0.5185	0.5340
0.5495	0.5651	0.5806	0.5961	0.6117
0.6272	0.6427	0.6583	0.6738	0.6893
0.7049	0.7204	0.7359	0.7515	0.7670
0.7825	0.7981	0.8136	0.8291	0.8447
0.8602	0.8757	0.8913	0.9068	0.9223

```
           0.9379     0.9534     0.9689     0.9845     1.0000

Transect OxfordAvenue
Area:
           0.0025     0.0096     0.0177     0.0263     0.0355
           0.0452     0.0554     0.0662     0.0775     0.0893
           0.1017     0.1146     0.1280     0.1420     0.1565
           0.1715     0.1871     0.2032     0.2198     0.2370
           0.2547     0.2729     0.2917     0.3110     0.3308
           0.3512     0.3721     0.3935     0.4155     0.4380
           0.4610     0.4846     0.5087     0.5333     0.5585
           0.5842     0.6104     0.6372     0.6645     0.6923
           0.7207     0.7496     0.7790     0.8090     0.8395
           0.8705     0.9021     0.9342     0.9668     1.0000
Hrad:
           0.0222     0.0555     0.0961     0.1342     0.1701
           0.2040     0.2361     0.2666     0.2956     0.3234
           0.3500     0.3755     0.4000     0.4236     0.4464
           0.4685     0.4898     0.5105     0.5306     0.5502
           0.5693     0.5879     0.6060     0.6238     0.6411
           0.6582     0.6748     0.6912     0.7073     0.7231
           0.7386     0.7539     0.7690     0.7839     0.7985
           0.8130     0.8273     0.8414     0.8553     0.8691
           0.8828     0.8963     0.9096     0.9229     0.9360
           0.9490     0.9619     0.9747     0.9874     1.0000
Width:
           0.1479     0.2344     0.2503     0.2663     0.2822
           0.2982     0.3141     0.3301     0.3460     0.3620
           0.3779     0.3939     0.4098     0.4258     0.4417
           0.4577     0.4736     0.4896     0.5055     0.5215
           0.5374     0.5534     0.5693     0.5853     0.6012
           0.6172     0.6331     0.6491     0.6650     0.6810
           0.6969     0.7129     0.7288     0.7448     0.7607
           0.7767     0.7926     0.8086     0.8245     0.8405
           0.8564     0.8724     0.8883     0.9043     0.9202
           0.9362     0.9521     0.9681     0.9840     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 ........ NO
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Flow Routing Method ...... KINWAVE
Starting Date ............ 01/01/2005 00:00:00
Ending Date .............. 01/01/2005 07:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Routing Time Step ........ 60.00 sec


*************************        Volume         Volume
Flow Routing Continuity        acre-feet      10^6 gal
*************************     ---------      ---------
Dry Weather Inflow .......         0.000          0.000
Wet Weather Inflow .......         0.000          0.000
Groundwater Inflow .......         0.000          0.000
RDII Inflow ..............         0.000          0.000
External Inflow ..........       532.457        173.509
External Outflow .........       543.794        177.204
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 ......         0.109          0.035
Continuity Error (%) .....        -2.150


*******************************
Highest Flow Instability Indexes
*******************************
Link 1833 (24)
Link 1834 (22)
Link POND_1835_OUT (22)
Link 1832 (18)
Link 1831 (14)


************************
Routing Time Step Summary
************************
Minimum Time Step           :    59.00 sec
Average Time Step           :    60.00 sec
Maximum Time Step           :    60.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     1.34
Percent Not Converging      :     0.00


******************
Node Depth Summary
******************

                                  Average  Maximum  Maximum  Time of Max     Reported
                                    Depth    Depth      HGL   Occurrence   Max Depth
Node                 Type            Feet     Feet     Feet  days hr:min        Feet
-------------------------------------------------------------------------------------
140                  JUNCTION        0.00     0.00  5282.31     0  00:00        0.00
145                  JUNCTION        0.00     0.00  5321.40     0  00:00        0.00
150                  JUNCTION        0.00     0.00  5261.63     0  00:00        0.00
155                  JUNCTION        0.00     0.00  5269.10     0  00:00        0.00
160                  JUNCTION        0.00     0.00  5274.00     0  00:00        0.00
165                  JUNCTION        0.00     0.00  5269.10     0  00:00        0.00
170                  JUNCTION        0.00     0.00  5328.50     0  00:00        0.00
410                  JUNCTION        0.00     0.00  5285.62     0  00:00        0.00
415                  JUNCTION        0.00     0.00  5289.65     0  00:00        0.00
420                  JUNCTION        0.00     0.00  5296.70     0  00:00        0.00
425                  JUNCTION        0.00     0.00  5297.50     0  00:00        0.00
430                  JUNCTION        0.00     0.00  5297.53     0  00:00        0.00
435                  JUNCTION        0.00     0.00  5324.71     0  00:00        0.00
440                  JUNCTION        0.00     0.00  5342.24     0  00:00        0.00
505                  JUNCTION        0.00     0.00  5301.19     0  00:00        0.00
510                  JUNCTION        0.00     0.00  5358.62     0  00:00        0.00
515                  JUNCTION        0.00     0.00  5302.87     0  00:00        0.00
520                  JUNCTION        0.00     0.00  5392.05     0  00:00        0.00
521                  JUNCTION        0.00     0.00  5456.94     0  00:00        0.00
525                  JUNCTION        0.00     0.00  5305.50     0  00:00        0.00
526                  JUNCTION        0.00     0.00  5373.08     0  00:00        0.00
```

530	JUNCTION	0.00	0.00	5357.81	0	00:00	0.00	JUNCT_1429	JUNCTION	0.29	1.18	5298.68	0	00:43	1.18
535	JUNCTION	0.00	0.00	5438.40	0	00:00	0.00	JUNCT_1434-1	JUNCTION	0.55	2.18	5326.24	0	01:28	2.18
56	JUNCTION	0.00	0.00	5307.40	0	00:00	0.00	JUNCT_1435	JUNCTION	0.07	0.68	5325.39	0	00:42	0.68
60	JUNCTION	0.00	0.00	5301.10	0	00:00	0.00	JUNCT_1436	JUNCTION	0.55	2.16	5326.83	0	01:27	2.16
600	JUNCTION	0.00	0.00	5273.73	0	00:00	0.00	JUNCT_1437	JUNCTION	0.69	3.00	5328.88	0	00:28	3.00
605	JUNCTION	0.00	0.00	5286.19	0	00:00	0.00	JUNCT_1504	JUNCTION	16.31	17.62	5311.81	0	00:45	17.62
61	JUNCTION	0.00	0.00	5307.40	0	00:00	0.00	JUNCT_1509	JUNCTION	0.09	0.52	5353.48	0	00:37	0.52
610	JUNCTION	0.00	0.00	5312.60	0	00:00	0.00	JUNCT_1510	JUNCTION	0.09	0.52	5359.14	0	00:36	0.52
615	JUNCTION	0.00	0.00	5299.04	0	00:00	0.00	JUNCT_1521	JUNCTION	0.11	0.49	5457.43	0	00:41	0.49
620	JUNCTION	0.00	0.00	5306.72	0	00:00	0.00	JUNCT_1526	JUNCTION	0.14	0.77	5373.85	0	00:36	0.77
625	JUNCTION	0.00	0.00	5313.40	0	00:00	0.00	JUNCT_1526-1	JUNCTION	0.15	0.75	5322.25	0	00:42	0.75
630	JUNCTION	0.00	0.00	5312.90	0	00:00	0.00	JUNCT_1535	JUNCTION	0.15	0.60	5439.00	0	00:46	0.60
700	JUNCTION	0.00	0.00	5286.15	0	00:00	0.00	JUNCT_1598	JUNCTION	20.36	20.36	5281.70	0	00:01	20.36
705	JUNCTION	0.00	0.00	5280.84	0	00:00	0.00	JUNCT_1610	JUNCTION	0.06	0.35	5312.95	0	00:36	0.35
710	JUNCTION	0.00	0.00	5312.30	0	00:00	0.00	JUNCT_1624	JUNCTION	0.18	0.86	5312.02	0	00:42	0.86
715	JUNCTION	0.00	0.00	5321.90	0	00:00	0.00	JUNCT_1625	JUNCTION	0.17	0.86	5314.26	0	00:41	0.86
720	JUNCTION	0.00	0.00	5348.80	0	00:00	0.00	JUNCT_1630	JUNCTION	0.35	2.14	5315.04	0	01:12	2.14
800	JUNCTION	0.00	0.00	5288.40	0	00:00	0.00	JUNCT_1631	JUNCTION	0.36	2.45	5319.05	0	01:09	2.45
815	JUNCTION	0.00	0.00	5293.70	0	00:00	0.00	JUNCT_1705	JUNCTION	6.80	6.80	5287.64	0	00:01	6.80
820	JUNCTION	0.00	0.00	5308.80	0	00:00	0.00	JUNCT_1715	JUNCTION	0.24	1.37	5323.27	0	00:39	1.37
825	JUNCTION	0.00	0.00	5311.33	0	00:00	0.00	JUNCT_1718	JUNCTION	0.13	0.85	5338.55	0	00:38	0.85
830	JUNCTION	0.00	0.00	5325.10	0	00:00	0.00	JUNCT_1719	JUNCTION	0.10	0.57	5344.07	0	00:37	0.57
835	JUNCTION	0.00	0.00	5341.92	0	00:00	0.00	JUNCT_1720	JUNCTION	0.10	0.57	5349.37	0	00:36	0.57
840	JUNCTION	0.00	0.00	5350.00	0	00:00	0.00	JUNCT_1800	JUNCTION	3.29	7.66	5296.06	0	00:35	7.66
845	JUNCTION	0.00	0.00	5356.00	0	00:00	0.00	JUNCT_1830	JUNCTION	0.09	0.41	5325.51	0	00:41	0.41
850	JUNCTION	0.00	0.00	5356.00	0	00:00	0.00	JUNCT_1840	JUNCTION	0.71	2.66	5352.66	0	00:59	2.66
855	JUNCTION	0.00	0.00	5358.70	0	00:00	0.00	JUNCT_1845	JUNCTION	0.78	2.88	5358.88	0	01:00	2.88
860	JUNCTION	0.00	0.00	5362.22	0	00:00	0.00	JUNCT_1849	JUNCTION	0.71	2.66	5349.46	0	01:00	2.66
865	JUNCTION	0.00	0.00	5376.18	0	00:00	0.00	JUNCT_1854	JUNCTION	0.87	3.26	5361.46	0	00:59	3.26
870	JUNCTION	0.00	0.00	5376.18	0	00:00	0.00	JUNCT_1855	JUNCTION	1.05	3.89	5362.59	0	00:59	3.89
875	JUNCTION	0.00	0.00	5413.60	0	00:00	0.00	JUNCT_1857	JUNCTION	2.41	6.33	5365.13	0	00:25	6.33
880	JUNCTION	0.00	0.00	5388.15	0	00:00	0.00	JUNCT_1859	JUNCTION	2.02	6.33	5367.50	0	00:32	6.33
885	JUNCTION	0.00	0.00	5389.85	0	00:00	0.00	JUNCT_1868-1	JUNCTION	0.54	2.95	5379.15	0	00:57	2.95
890	JUNCTION	0.00	0.00	5393.53	0	00:00	0.00	JUNCT_1869-1	JUNCTION	0.58	3.17	5384.67	0	00:56	3.17
895	JUNCTION	0.00	0.00	5396.75	0	00:00	0.00	JUNCT_1875	JUNCTION	0.05	0.31	5413.91	0	00:36	0.31
900	JUNCTION	0.00	0.00	5405.40	0	00:00	0.00	JUNCT_1883-1	JUNCTION	0.56	3.20	5394.50	0	00:58	3.20
905	JUNCTION	0.00	0.00	5413.50	0	00:00	0.00	JUNCT_1884	JUNCTION	1.40	4.00	5390.13	0	00:30	4.00
910	JUNCTION	0.00	0.00	5417.50	0	00:00	0.00	JUNCT_1884-1	JUNCTION	0.55	3.20	5395.60	0	00:55	3.20
915	JUNCTION	0.00	0.00	5405.40	0	00:00	0.00	JUNCT_1897	JUNCTION	1.34	3.00	5400.25	0	00:28	3.00
920	JUNCTION	0.00	0.00	5449.40	0	00:00	0.00	JUNCT_1905	JUNCTION	0.33	1.28	5414.78	0	00:47	1.28
925	JUNCTION	0.00	0.00	5323.60	0	00:00	0.00	JUNCT_1910	JUNCTION	0.26	1.14	5418.64	0	00:46	1.14
930	JUNCTION	0.00	0.00	5335.10	0	00:00	0.00	JUNCT_1920	JUNCTION	0.12	0.49	5449.89	0	00:46	0.49
935	JUNCTION	0.00	0.00	5312.00	0	00:00	0.00	JUNCT_1925	JUNCTION	0.24	1.14	5324.74	0	00:43	1.14
940	JUNCTION	0.00	0.00	5355.80	0	00:00	0.00	JUNCT_1930	JUNCTION	0.16	0.89	5335.99	0	00:36	0.89
945	JUNCTION	0.00	0.00	5353.45	0	00:00	0.00	JUNCT_1945-1	JUNCTION	1.47	4.00	5370.94	0	00:37	4.00
950	JUNCTION	0.00	0.00	5388.55	0	00:00	0.00	JUNCT_1956	JUNCTION	0.43	1.33	5401.83	0	01:02	1.33
955	JUNCTION	0.00	0.00	5395.90	0	00:00	0.00	JUNCT_1957	JUNCTION	0.43	1.33	5406.03	0	01:00	1.33
960	JUNCTION	0.00	0.00	5414.80	0	00:00	0.00	JUNCT_1958	JUNCTION	0.24	0.70	5410.10	0	00:58	0.70
JUNCT_1058	JUNCTION	2.23	5.00	5313.30	0	00:38	5.00	JUNCT_1959	JUNCTION	0.31	0.95	5415.25	0	00:53	0.95
JUNCT_1059	JUNCTION	0.90	5.00	5302.80	0	00:41	5.00	JUNCT_1960	JUNCTION	0.30	0.95	5415.75	0	00:51	0.95
JUNCT_1148	JUNCTION	7.05	7.65	5269.28	0	00:40	7.65	OTF_1059	OUTFALL	0.00	0.00	5297.75	0	00:00	0.00
JUNCT_1155	JUNCTION	0.62	2.96	5272.06	0	00:41	2.96	OTF_1148	OUTFALL	0.00	0.00	5261.58	0	00:00	0.00
JUNCT_1160	JUNCTION	0.31	2.24	5276.24	0	00:31	2.24	OTF_1406	OUTFALL	0.00	0.00	5251.81	0	00:00	0.00
JUNCT_1170	JUNCTION	0.21	1.11	5329.61	0	00:41	1.11	OTF_1420	OUTFALL	0.00	0.00	5296.65	0	00:00	0.00
JUNCT_1404	JUNCTION	1.45	10.00	10.00	0	00:26	10.00	OTF_1504	OUTFALL	0.00	0.00	5294.14	0	00:00	0.00
JUNCT_1405	JUNCTION	2.17	10.00	5291.90	0	00:27	10.00	OTF_1598	OUTFALL	0.00	0.00	5261.29	0	00:00	0.00
JUNCT_1406	JUNCTION	0.42	1.53	5253.39	0	01:35	1.53	OTF_1698	OUTFALL	0.00	0.00	5278.42	0	00:00	0.00
JUNCT_1407	JUNCTION	0.65	2.36	5271.64	0	01:34	2.36	OTF_1800	OUTFALL	0.00	0.00	5288.35	0	00:00	0.00
JUNCT_1408	JUNCTION	0.80	3.05	5273.98	0	00:26	3.05	JUNCT_1060	DIVIDER	12.51	13.38	5314.48	0	01:05	13.38
JUNCT_1415	JUNCTION	0.86	3.70	5293.35	0	00:41	3.70	JUNCT_1061	DIVIDER	8.15	8.94	5316.34	0	00:48	8.94
JUNCT_1415-1	JUNCTION	0.54	1.70	5292.46	0	01:27	1.70	JUNCT_1139	DIVIDER	6.65	7.57	5273.91	0	00:38	7.57
JUNCT_1420	JUNCTION	0.29	1.18	5297.88	0	00:44	1.18	JUNCT_1140	DIVIDER	13.28	14.12	5296.43	0	00:36	14.12
JUNCT_1422	JUNCTION	0.64	1.82	5294.11	0	01:26	1.82	JUNCT_1145	DIVIDER	12.66	12.98	5334.38	0	00:36	12.98
JUNCT_1423	JUNCTION	0.55	1.78	5295.04	0	01:25	1.78	JUNCT_1148-1	DIVIDER	7.74	8.34	5271.80	0	00:40	8.34
JUNCT_1424	JUNCTION	0.52	1.73	5297.33	0	01:24	1.73	JUNCT_1409	DIVIDER	13.92	14.02	5287.20	0	01:26	14.02
JUNCT_1424-1	JUNCTION	1.05	4.00	5301.40	0	00:27	4.00	JUNCT_1410	DIVIDER	4.49	4.61	5290.23	0	00:36	4.61

JUNCT_1413	DIVIDER	15.60	15.60	5303.60	0	00:01	15.60
JUNCT_1414	DIVIDER	11.95	11.95	5300.92	0	00:01	11.95
JUNCT_1425	DIVIDER	8.63	8.95	5306.45	0	00:46	8.95
JUNCT_1430	DIVIDER	6.38	7.16	5304.69	0	00:40	7.16
JUNCT_1432	DIVIDER	7.07	7.37	5306.81	0	01:13	7.37
JUNCT_1432-1	DIVIDER	7.82	8.12	5316.77	0	01:12	8.12
JUNCT_1432-2	DIVIDER	9.88	10.31	5326.00	0	01:12	10.31
JUNCT_1432-3	DIVIDER	10.39	11.26	5330.55	0	01:11	11.26
JUNCT_1433	DIVIDER	7.54	8.41	5330.65	0	01:10	8.41
JUNCT_1434	DIVIDER	6.67	7.35	5330.70	0	01:10	7.35
JUNCT_1438	DIVIDER	10.51	11.13	5337.67	0	00:38	11.13
JUNCT_1439	DIVIDER	6.29	6.60	5339.84	0	00:39	6.60
JUNCT_1440	DIVIDER	8.03	8.33	5350.57	0	00:36	8.33
JUNCT_1505	DIVIDER	16.35	17.64	5318.83	0	00:44	17.64
JUNCT_1515	DIVIDER	16.94	17.75	5320.62	0	00:44	17.75
JUNCT_1515-1	DIVIDER	6.26	6.99	5324.30	0	00:43	6.99
JUNCT_1515-2	DIVIDER	5.87	6.46	5338.55	0	00:42	6.46
JUNCT_1516	DIVIDER	6.47	7.22	5343.62	0	00:42	7.22
JUNCT_1517	DIVIDER	5.88	6.63	5346.24	0	00:41	6.63
JUNCT_1518	DIVIDER	6.48	7.07	5389.35	0	00:38	7.07
JUNCT_1519	DIVIDER	8.67	9.39	5393.30	0	00:38	9.39
JUNCT_1520	DIVIDER	5.91	6.59	5398.64	0	00:37	6.59
JUNCT_1525	DIVIDER	19.50	20.19	5325.69	0	00:48	20.19
JUNCT_1529	DIVIDER	10.46	11.11	5336.60	0	00:49	11.11
JUNCT_1530	DIVIDER	8.05	8.59	5366.40	0	00:47	8.59
JUNCT_1599	DIVIDER	18.86	23.59	5295.19	0	01:21	23.59
JUNCT_1600	DIVIDER	16.24	21.66	5295.39	0	01:07	21.66
JUNCT_1605	DIVIDER	16.83	19.09	5305.28	0	01:07	19.09
JUNCT_1615	DIVIDER	10.62	13.79	5312.83	0	01:05	13.79
JUNCT_1618	DIVIDER	7.84	11.03	5313.06	0	01:03	11.03
JUNCT_1619	DIVIDER	5.63	7.04	5311.34	0	00:41	7.04
JUNCT_1620	DIVIDER	4.82	5.70	5312.42	0	00:36	5.70
JUNCT_1699	DIVIDER	6.51	6.97	5290.00	0	00:45	6.97
JUNCT_1700	DIVIDER	15.54	16.00	5302.15	0	00:44	16.00
JUNCT_1707	DIVIDER	16.00	16.00	5309.23	0	00:01	16.00
JUNCT_1708	DIVIDER	14.33	14.33	5310.50	0	00:01	14.33
JUNCT_1709	DIVIDER	7.50	7.50	5312.20	0	00:01	7.50
JUNCT_1710	DIVIDER	0.63	4.00	5316.30	0	00:33	4.00
JUNCT_1815	DIVIDER	11.31	12.73	5306.43	0	01:01	12.73
JUNCT_1817	DIVIDER	17.15	19.45	5315.85	0	01:01	19.45
JUNCT_1818	DIVIDER	13.33	15.66	5316.65	0	00:58	15.66
JUNCT_1819	DIVIDER	8.90	11.05	5319.85	0	01:08	11.05
JUNCT_1820	DIVIDER	2.08	6.50	5315.30	0	00:47	6.50
JUNCT_1823	DIVIDER	13.50	14.37	5318.02	0	00:45	14.37
JUNCT_1824	DIVIDER	15.81	17.68	5323.45	0	01:07	17.68
JUNCT_1825	DIVIDER	13.44	15.14	5326.47	0	01:06	15.14
JUNCT_1831	DIVIDER	12.21	16.91	5332.12	0	01:04	16.91
JUNCT_1831-1	DIVIDER	14.17	18.81	5331.53	0	01:07	18.81
JUNCT_1832	DIVIDER	13.68	15.64	5333.36	0	01:03	15.64
JUNCT_1833	DIVIDER	11.13	13.40	5342.98	0	01:02	13.40
JUNCT_1834	DIVIDER	1.73	4.00	5345.92	0	00:36	4.00
JUNCT_1858	DIVIDER	11.39	11.86	5370.71	0	01:58	11.86
JUNCT_1860	DIVIDER	11.24	13.27	5375.49	0	00:57	13.27
JUNCT_1867	DIVIDER	9.41	11.27	5375.77	0	00:58	11.27
JUNCT_1868	DIVIDER	17.63	17.63	5387.10	0	00:01	17.63
JUNCT_1869	DIVIDER	17.07	17.32	5389.75	0	02:18	17.32
JUNCT_1870	DIVIDER	10.23	12.80	5388.98	0	00:55	12.80
JUNCT_1879	DIVIDER	8.19	9.12	5395.87	0	00:42	9.12
JUNCT_1880	DIVIDER	9.00	9.61	5397.76	0	00:41	9.61
JUNCT_1882	DIVIDER	10.20	10.62	5388.38	0	01:12	10.62
JUNCT_1883	DIVIDER	12.94	13.36	5393.22	0	01:11	13.36
JUNCT_1885	DIVIDER	8.86	11.01	5400.86	0	00:55	11.01
JUNCT_1890	DIVIDER	11.54	11.91	5405.44	0	00:41	11.91
JUNCT_1895	DIVIDER	6.73	8.86	5405.61	0	00:49	8.86
JUNCT_1898	DIVIDER	10.47	12.15	5409.81	0	00:50	12.15
JUNCT_1899	DIVIDER	7.46	8.42	5409.44	0	00:49	8.42
JUNCT_1900	DIVIDER	7.13	7.49	5412.89	0	00:49	7.49
JUNCT_1934	DIVIDER	6.85	9.18	5320.38	0	00:51	9.18
JUNCT_1935	DIVIDER	6.24	8.60	5320.60	0	00:48	8.60
JUNCT_1943	DIVIDER	6.02	6.74	5319.51	0	01:08	6.74
JUNCT_1944	DIVIDER	11.65	12.42	5355.66	0	00:52	12.42
JUNCT_1945	DIVIDER	6.14	7.52	5360.97	0	01:06	7.52
JUNCT_1946	DIVIDER	1.97	4.00	5373.95	0	00:34	4.00
JUNCT_1947	DIVIDER	7.85	8.07	5380.86	0	01:57	8.07
JUNCT_1948	DIVIDER	2.28	3.50	5382.90	0	00:34	3.50
JUNCT_1949	DIVIDER	8.28	9.14	5395.88	0	00:59	9.14
JUNCT_1949-1	DIVIDER	7.79	8.65	5394.13	0	01:00	8.65
JUNCT_1950	DIVIDER	2.82	4.28	5392.83	0	01:02	4.28
JUNCT_1951	DIVIDER	3.75	3.83	5393.45	0	02:21	3.83
JUNCT_1952	DIVIDER	8.08	8.21	5399.21	0	02:19	8.21
JUNCT_1953	DIVIDER	3.62	5.13	5398.33	0	00:56	5.13
JUNCT_1954	DIVIDER	3.46	4.24	5398.28	0	00:55	4.24
JUNCT_1955	DIVIDER	2.80	3.58	5399.48	0	00:54	3.58
POND_1435	STORAGE	0.87	3.90	5328.60	0	01:10	3.90
POND_1835	STORAGE	4.04	11.11	5353.01	0	01:01	11.11

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days	Time of Max Occurrence hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
140	JUNCTION	345.81	345.81	0	00:36	5.89	5.89	0.000
145	JUNCTION	133.13	133.13	0	00:36	2.73	2.73	0.000
150	JUNCTION	125.49	125.49	0	00:36	2.29	2.29	0.000
155	JUNCTION	231.55	231.55	0	00:36	3.74	3.74	0.000
160	JUNCTION	172.41	172.41	0	00:31	2.42	2.42	0.000
165	JUNCTION	65.63	65.63	0	00:41	1.66	1.66	0.000
170	JUNCTION	88.89	88.89	0	00:41	2.06	2.06	0.000
410	JUNCTION	164.68	164.68	0	00:36	3.6	3.6	0.000
415	JUNCTION	78.59	78.59	0	00:41	1.92	1.92	0.000
420	JUNCTION	169.94	169.94	0	00:36	2.98	2.98	0.000
425	JUNCTION	68.31	68.31	0	00:36	1.5	1.5	0.000
430	JUNCTION	128.20	128.20	0	00:36	2.37	2.37	0.000
435	JUNCTION	74.56	74.56	0	00:36	1.57	1.57	0.000
440	JUNCTION	79.37	79.37	0	00:36	1.85	1.85	0.000

505	JUNCTION	250.73	250.73	0	00:36	4.79	4.79	0.000
510	JUNCTION	87.22	87.22	0	00:36	1.63	1.63	0.000
515	JUNCTION	134.05	134.05	0	00:41	3.11	3.11	0.000
520	JUNCTION	190.74	190.74	0	00:36	3	3	0.000
521	JUNCTION	75.64	75.64	0	00:41	1.92	1.92	0.000
525	JUNCTION	124.71	124.71	0	00:41	2.88	2.88	0.000
526	JUNCTION	199.12	199.12	0	00:36	3.88	3.88	0.000
530	JUNCTION	127.97	127.97	0	00:36	2.58	2.58	0.000
535	JUNCTION	127.60	127.60	0	00:46	3.67	3.67	0.000
56	JUNCTION	99.79	99.79	0	00:46	3.04	3.04	0.000
60	JUNCTION	119.27	119.27	0	00:41	3.38	3.38	0.000
600	JUNCTION	86.78	86.78	0	00:36	1.78	1.78	0.000
605	JUNCTION	155.19	155.19	0	00:36	2.39	2.39	0.000
61	JUNCTION	266.68	266.68	0	00:36	5.09	5.09	0.000
610	JUNCTION	130.52	130.52	0	00:36	2.83	2.83	0.000
615	JUNCTION	98.32	98.32	0	00:36	2.28	2.28	0.000
620	JUNCTION	224.99	224.99	0	00:36	4.48	4.48	0.000
625	JUNCTION	96.19	96.19	0	00:41	2.2	2.2	0.000
630	JUNCTION	72.37	72.37	0	00:36	1.74	1.74	0.000
700	JUNCTION	50.25	50.25	0	00:41	1.36	1.36	0.000
705	JUNCTION	68.90	68.90	0	00:41	1.9	1.9	0.000
710	JUNCTION	68.02	68.02	0	00:36	1.3	1.3	0.000
715	JUNCTION	71.72	71.72	0	00:36	1.47	1.47	0.000
720	JUNCTION	65.61	65.61	0	00:36	1.13	1.13	0.000
800	JUNCTION	225.65	225.65	0	00:36	4.39	4.39	0.000
815	JUNCTION	93.44	93.44	0	00:36	1.77	1.77	0.000
820	JUNCTION	83.10	83.10	0	00:41	2.17	2.17	0.000
825	JUNCTION	126.97	126.97	0	00:36	2.35	2.35	0.000
830	JUNCTION	35.43	35.43	0	00:41	0.906	0.906	0.000
835	JUNCTION	108.46	108.46	0	00:31	1.53	1.53	0.000
840	JUNCTION	159.29	159.29	0	00:36	2.75	2.75	0.000
845	JUNCTION	61.14	61.14	0	00:41	1.48	1.48	0.000
850	JUNCTION	86.68	86.68	0	00:41	2.19	2.19	0.000
855	JUNCTION	71.02	71.02	0	00:41	1.77	1.77	0.000
860	JUNCTION	126.62	126.62	0	00:41	2.99	2.99	0.000
865	JUNCTION	177.05	177.05	0	00:36	3.06	3.06	0.000
870	JUNCTION	101.01	101.01	0	00:36	1.77	1.77	0.000
875	JUNCTION	139.18	139.18	0	00:36	2.88	2.88	0.000
880	JUNCTION	140.16	140.16	0	00:41	3.49	3.49	0.000
885	JUNCTION	58.24	58.24	0	00:36	1.07	1.07	0.000
890	JUNCTION	59.91	59.91	0	00:41	1.57	1.57	0.000
895	JUNCTION	105.63	105.63	0	00:41	2.5	2.5	0.000
900	JUNCTION	37.50	37.50	0	00:46	1.11	1.11	0.000
905	JUNCTION	44.14	44.14	0	00:51	1.72	1.72	0.000
910	JUNCTION	115.05	115.05	0	00:46	3.3	3.3	0.000
915	JUNCTION	37.79	37.79	0	00:46	1.28	1.28	0.000
920	JUNCTION	68.73	68.73	0	00:46	2.03	2.03	0.000
925	JUNCTION	115.06	115.06	0	00:41	2.79	2.79	0.000
930	JUNCTION	142.68	142.68	0	00:36	2.9	2.9	0.000
935	JUNCTION	220.18	220.18	0	00:36	3.89	3.89	0.000
940	JUNCTION	115.87	115.87	0	00:36	2.2	2.2	0.000
945	JUNCTION	123.35	123.35	0	00:36	2.55	2.55	0.000
950	JUNCTION	92.12	92.12	0	00:41	2.16	2.16	0.000
955	JUNCTION	135.18	135.18	0	00:41	3.33	3.33	0.000
960	JUNCTION	82.43	82.43	0	00:51	3.22	3.22	0.000
JUNCT_1058	JUNCTION	0.00	307.74	0	00:57	0	3.79	0.000
JUNCT_1059	JUNCTION	0.00	574.35	0	01:14	0	15.4	0.000
JUNCT_1148	JUNCTION	0.00	987.53	0	00:49	0	21.2	0.000
JUNCT_1155	JUNCTION	0.00	456.82	0	00:41	0	9.97	0.000
JUNCT_1160	JUNCTION	0.00	172.41	0	00:31	0	2.42	0.000
JUNCT_1170	JUNCTION	0.00	88.89	0	00:41	0	2.06	0.000
JUNCT_1404	JUNCTION	0.00	116.49	0	00:37	0	1.67	0.000
JUNCT_1405	JUNCTION	0.00	16.75	0	01:27	0	0.421	0.000
JUNCT_1406	JUNCTION	0.00	36.43	0	01:35	0	1.54	0.000
JUNCT_1407	JUNCTION	0.00	36.63	0	01:34	0	1.54	0.000
JUNCT_1408	JUNCTION	0.00	37.14	0	01:34	0	1.54	0.000

JUNCT_1415	JUNCTION	0.00	105.56	0	00:41	0	3.12	0.000
JUNCT_1415-1	JUNCTION	0.00	27.71	0	01:27	0	1.2	0.000
JUNCT_1420	JUNCTION	0.00	379.39	0	00:46	0	9.61	0.000
JUNCT_1422	JUNCTION	0.00	27.84	0	01:26	0	1.2	0.000
JUNCT_1423	JUNCTION	0.00	27.96	0	01:25	0	1.2	0.000
JUNCT_1424	JUNCTION	0.00	28.22	0	01:24	0	1.21	0.000
JUNCT_1424-1	JUNCTION	0.00	28.47	0	01:23	0	1.21	0.000
JUNCT_1429	JUNCTION	0.00	174.62	0	00:43	0	5.53	0.000
JUNCT_1434-1	JUNCTION	0.00	27.02	0	01:28	0	1.05	0.000
JUNCT_1435	JUNCTION	0.00	125.95	0	00:41	0	2.38	0.000
JUNCT_1436	JUNCTION	0.00	26.99	0	01:27	0	1.05	0.000
JUNCT_1437	JUNCTION	0.00	27.20	0	01:26	0	1.06	0.000
JUNCT_1504	JUNCTION	0.00	780.48	0	00:45	0	20.7	0.000
JUNCT_1509	JUNCTION	0.00	86.80	0	00:37	0	1.63	0.000
JUNCT_1510	JUNCTION	0.00	87.22	0	00:36	0	1.63	0.000
JUNCT_1521	JUNCTION	0.00	75.64	0	00:41	0	1.92	0.000
JUNCT_1526	JUNCTION	0.00	199.12	0	00:36	0	3.88	0.000
JUNCT_1526-1	JUNCTION	0.00	191.60	0	00:42	0	3.9	0.000
JUNCT_1535	JUNCTION	0.00	127.60	0	00:46	0	3.67	0.000
JUNCT_1598	JUNCTION	0.00	1096.72	0	01:21	0	32.4	0.000
JUNCT_1610	JUNCTION	0.00	130.52	0	00:36	0	2.83	0.000
JUNCT_1624	JUNCTION	0.00	95.80	0	00:42	0	2.2	0.000
JUNCT_1625	JUNCTION	0.00	96.19	0	00:41	0	2.2	0.000
JUNCT_1630	JUNCTION	0.00	725.34	0	01:08	0	15.8	0.000
JUNCT_1631	JUNCTION	0.00	684.61	0	01:10	0	13.9	0.000
JUNCT_1705	JUNCTION	0.00	356.95	0	00:44	0	9.87	0.000
JUNCT_1715	JUNCTION	0.00	133.78	0	00:39	0	2.6	0.000
JUNCT_1718	JUNCTION	0.00	64.69	0	00:38	0	1.13	0.000
JUNCT_1719	JUNCTION	0.00	64.69	0	00:37	0	1.13	0.000
JUNCT_1720	JUNCTION	0.00	65.61	0	00:36	0	1.13	0.000
JUNCT_1800	JUNCTION	0.00	1487.21	0	01:03	0	60.6	0.000
JUNCT_1830	JUNCTION	0.00	35.43	0	00:41	0	0.906	0.000
JUNCT_1840	JUNCTION	0.00	1188.12	0	00:59	0	37.2	0.000
JUNCT_1845	JUNCTION	0.00	1110.14	0	00:59	0	34.5	0.000
JUNCT_1849	JUNCTION	0.00	1188.11	0	01:00	0	37.2	0.000
JUNCT_1854	JUNCTION	0.00	998.28	0	00:59	0	30.8	0.000
JUNCT_1855	JUNCTION	0.00	998.35	0	00:58	0	30.8	0.000
JUNCT_1857	JUNCTION	0.00	943.11	0	00:58	0	29	0.000
JUNCT_1859	JUNCTION	0.00	276.29	0	01:57	0	14.6	0.000
JUNCT_1868-1	JUNCTION	0.00	695.81	0	00:57	0	16.7	0.000
JUNCT_1869-1	JUNCTION	0.00	696.33	0	00:56	0	16.7	0.000
JUNCT_1875	JUNCTION	0.00	139.18	0	00:36	0	2.88	0.000
JUNCT_1883-1	JUNCTION	0.00	373.22	0	00:58	0	8.37	0.000
JUNCT_1884	JUNCTION	0.00	109.51	0	02:11	0	6.36	0.000
JUNCT_1884-1	JUNCTION	0.00	374.56	0	00:55	0	8.36	0.000
JUNCT_1897	JUNCTION	0.00	16.64	0	02:56	0	1.24	0.000
JUNCT_1905	JUNCTION	0.00	158.28	0	00:47	0	5.02	0.000
JUNCT_1910	JUNCTION	0.00	115.05	0	00:46	0	3.3	0.000
JUNCT_1920	JUNCTION	0.00	68.73	0	00:46	0	2.03	0.000
JUNCT_1925	JUNCTION	0.00	244.97	0	00:43	0	5.73	0.000
JUNCT_1930	JUNCTION	0.00	142.68	0	00:36	0	2.9	0.000
JUNCT_1945-1	JUNCTION	0.00	85.03	0	02:05	0	4.99	0.000
JUNCT_1956	JUNCTION	0.00	81.78	0	01:02	0	3.23	0.000
JUNCT_1957	JUNCTION	0.00	81.91	0	01:00	0	3.23	0.000
JUNCT_1958	JUNCTION	0.00	81.97	0	00:58	0	3.22	0.000
JUNCT_1959	JUNCTION	0.00	82.18	0	00:53	0	3.22	0.000
JUNCT_1960	JUNCTION	0.00	82.43	0	00:51	0	3.22	0.000
OTF_1059	OUTFALL	0.00	574.35	0	01:14	0	15.4	0.000
OTF_1148	OUTFALL	0.00	987.53	0	00:49	0	21.2	0.000
OTF_1406	OUTFALL	0.00	36.43	0	01:35	0	1.54	0.000
OTF_1420	OUTFALL	0.00	379.39	0	00:46	0	9.61	0.000
OTF_1504	OUTFALL	0.00	780.48	0	00:45	0	20.7	0.000
OTF_1598	OUTFALL	0.00	1096.72	0	01:21	0	32.4	0.000
OTF_1698	OUTFALL	0.00	356.95	0	00:44	0	9.87	0.000
OTF_1800	OUTFALL	0.00	1487.21	0	01:03	0	60.6	0.000
JUNCT_1060	DIVIDER	0.00	787.46	0	01:05	0	19	0.000

JUNCT_1061	DIVIDER	0.00	697.20	0	00:48	0	15.3	0.000
JUNCT_1139	DIVIDER	0.00	452.04	0	00:38	0	8.67	0.000
JUNCT_1140	DIVIDER	0.00	453.98	0	00:36	0	8.64	0.000
JUNCT_1145	DIVIDER	0.00	133.13	0	00:36	0	2.73	0.000
JUNCT_1148-1	DIVIDER	0.00	448.67	0	00:40	0	8.75	0.000
JUNCT_1409	DIVIDER	0.00	52.83	0	01:26	0	1.96	0.000
JUNCT_1410	DIVIDER	0.00	164.68	0	00:36	0	3.6	0.000
JUNCT_1413	DIVIDER	0.00	105.18	0	00:43	0	3.11	0.000
JUNCT_1414	DIVIDER	0.00	105.42	0	00:41	0	3.11	0.000
JUNCT_1425	DIVIDER	0.00	116.15	0	00:46	0	2.27	0.000
JUNCT_1430	DIVIDER	0.00	180.46	0	00:40	0	5.82	0.000
JUNCT_1432	DIVIDER	0.00	91.42	0	01:13	0	3.44	0.000
JUNCT_1432-1	DIVIDER	0.00	91.42	0	01:12	0	3.44	0.000
JUNCT_1432-2	DIVIDER	0.00	91.43	0	01:12	0	3.44	0.000
JUNCT_1432-3	DIVIDER	0.00	91.44	0	01:11	0	3.44	0.000
JUNCT_1433	DIVIDER	0.00	91.51	0	01:10	0	3.44	0.000
JUNCT_1434	DIVIDER	0.00	91.52	0	01:10	0	3.44	0.000
JUNCT_1438	DIVIDER	0.00	79.36	0	00:38	0	1.86	0.000
JUNCT_1439	DIVIDER	0.00	79.35	0	00:39	0	1.86	0.000
JUNCT_1440	DIVIDER	0.00	79.37	0	00:36	0	1.85	0.000
JUNCT_1505	DIVIDER	0.00	782.43	0	00:44	0	20.6	0.000
JUNCT_1515	DIVIDER	0.00	485.33	0	00:44	0	14.2	0.000
JUNCT_1515-1	DIVIDER	0.00	237.19	0	00:43	0	5	0.000
JUNCT_1515-2	DIVIDER	0.00	237.47	0	00:42	0	4.99	0.000
JUNCT_1516	DIVIDER	0.00	237.42	0	00:42	0	4.99	0.000
JUNCT_1517	DIVIDER	0.00	237.72	0	00:41	0	4.98	0.000
JUNCT_1518	DIVIDER	0.00	240.11	0	00:38	0	4.94	0.000
JUNCT_1519	DIVIDER	0.00	240.02	0	00:38	0	4.93	0.000
JUNCT_1520	DIVIDER	0.00	240.29	0	00:37	0	4.92	0.000
JUNCT_1525	DIVIDER	0.00	517.35	0	00:48	0	13.1	0.000
JUNCT_1529	DIVIDER	0.00	230.72	0	00:49	0	6.29	0.000
JUNCT_1530	DIVIDER	0.00	231.33	0	00:47	0	6.26	0.000
JUNCT_1599	DIVIDER	0.00	1096.46	0	01:21	0	32.4	0.000
JUNCT_1600	DIVIDER	0.00	1146.83	0	01:07	0	31.8	0.000
JUNCT_1605	DIVIDER	0.00	1103.83	0	01:06	0	30	0.000
JUNCT_1615	DIVIDER	0.00	983.81	0	01:04	0	24.8	0.000
JUNCT_1618	DIVIDER	0.00	924.24	0	01:03	0	22.5	0.000
JUNCT_1619	DIVIDER	0.00	312.97	0	00:41	0	6.69	0.000
JUNCT_1620	DIVIDER	0.00	224.99	0	00:36	0	4.48	0.000
JUNCT_1699	DIVIDER	0.00	289.47	0	00:45	0	7.98	0.000
JUNCT_1700	DIVIDER	0.00	289.57	0	00:44	0	7.96	0.000
JUNCT_1707	DIVIDER	0.00	139.66	0	00:57	0	3.5	0.000
JUNCT_1708	DIVIDER	0.00	140.96	0	00:56	0	3.5	0.000
JUNCT_1709	DIVIDER	0.00	142.06	0	00:55	0	3.5	0.000
JUNCT_1710	DIVIDER	0.00	197.42	0	00:40	0	3.9	0.000
JUNCT_1815	DIVIDER	0.00	1371.88	0	01:01	0	56.1	0.000
JUNCT_1817	DIVIDER	0.00	1322.81	0	01:01	0	54.2	0.000
JUNCT_1818	DIVIDER	0.00	1323.97	0	00:58	0	54.2	0.000
JUNCT_1819	DIVIDER	0.00	857.14	0	01:08	0	15.6	0.000
JUNCT_1820	DIVIDER	0.00	1283.63	0	01:08	0	36.5	0.000
JUNCT_1823	DIVIDER	0.00	535.52	0	00:45	0	25.4	0.000
JUNCT_1824	DIVIDER	0.00	1270.60	0	01:07	0	41.6	0.000
JUNCT_1825	DIVIDER	0.00	1270.84	0	01:06	0	41.5	0.000
JUNCT_1831	DIVIDER	0.00	1217.40	0	01:04	0	38.9	0.000
JUNCT_1831-1	DIVIDER	0.00	1213.95	0	01:07	0	39.2	0.000
JUNCT_1832	DIVIDER	0.00	1218.04	0	01:03	0	38.8	0.000
JUNCT_1833	DIVIDER	0.00	1218.41	0	01:02	0	38.8	0.000
JUNCT_1834	DIVIDER	0.00	1218.78	0	01:01	0	38.7	0.000
JUNCT_1858	DIVIDER	0.00	271.17	0	01:58	0	14.6	0.000
JUNCT_1860	DIVIDER	0.00	943.46	0	00:57	0	29	0.000
JUNCT_1867	DIVIDER	0.00	846.97	0	00:58	0	26	0.000
JUNCT_1868	DIVIDER	0.00	154.59	0	02:19	0	9.33	0.000
JUNCT_1869	DIVIDER	0.00	158.37	0	02:18	0	9.33	0.000
JUNCT_1870	DIVIDER	0.00	848.71	0	00:55	0	26	0.000
JUNCT_1879	DIVIDER	0.00	139.78	0	00:42	0	3.5	0.000
JUNCT_1880	DIVIDER	0.00	140.16	0	00:41	0	3.49	0.000

JUNCT_1882	DIVIDER	0.00	241.18	0	00:46	0	9.89	0.000
JUNCT_1883	DIVIDER	0.00	193.19	0	01:11	0	9.25	0.000
JUNCT_1885	DIVIDER	0.00	480.03	0	00:53	0	14.7	0.000
JUNCT_1890	DIVIDER	0.00	132.29	0	00:41	0	6.12	0.000
JUNCT_1895	DIVIDER	0.00	392.74	0	00:49	0	12	0.000
JUNCT_1898	DIVIDER	0.00	300.04	0	00:50	0	9.47	0.000
JUNCT_1899	DIVIDER	0.00	300.03	0	00:49	0	9.46	0.000
JUNCT_1900	DIVIDER	0.00	300.28	0	00:48	0	9.45	0.000
JUNCT_1934	DIVIDER	0.00	527.52	0	00:51	0	17.6	0.000
JUNCT_1935	DIVIDER	0.00	529.45	0	00:48	0	17.5	0.000
JUNCT_1943	DIVIDER	0.00	401.90	0	01:08	0	13.6	0.000
JUNCT_1944	DIVIDER	0.00	382.62	0	00:52	0	13.6	0.000
JUNCT_1945	DIVIDER	0.00	383.03	0	00:51	0	13.6	0.000
JUNCT_1946	DIVIDER	0.00	251.74	0	01:02	0	8.81	0.000
JUNCT_1947	DIVIDER	0.00	96.07	0	01:57	0	5.41	0.000
JUNCT_1948	DIVIDER	0.00	251.96	0	01:01	0	8.79	0.000
JUNCT_1949	DIVIDER	0.00	252.13	0	00:59	0	8.78	0.000
JUNCT_1949-1	DIVIDER	0.00	252.04	0	01:00	0	8.78	0.000
JUNCT_1950	DIVIDER	0.00	252.15	0	00:59	0	8.77	0.000
JUNCT_1951	DIVIDER	0.00	46.84	0	02:21	0	3.09	0.000
JUNCT_1952	DIVIDER	0.00	46.77	0	02:19	0	3.08	0.000
JUNCT_1953	DIVIDER	0.00	187.95	0	00:56	0	6.57	0.000
JUNCT_1954	DIVIDER	0.00	188.01	0	00:55	0	6.57	0.000
JUNCT_1955	DIVIDER	0.00	188.11	0	00:54	0	6.56	0.000
POND_1435	STORAGE	0.00	125.95	0	00:41	0	2.38	0.005
POND_1835	STORAGE	0.00	1220.99	0	00:59	0	38.8	0.081

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
POND_1435	20.689	3	0	0	129.834	18	0 01:09	65.44
POND_1835	119.346	21	0	0	428.088	76	0 01:01	1218.78

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OTF_1059	96.19	84.94	574.35	15.401
OTF_1148	97.38	115.44	987.53	21.189
OTF_1406	62.62	13.04	36.43	1.540
OTF_1420	75.00	67.95	379.39	9.606
OTF_1504	97.14	112.93	780.48	20.678
OTF_1598	96.90	177.53	1096.72	32.428
OTF_1698	98.57	53.14	356.95	9.873
OTF_1800	97.38	330.12	1487.21	60.597
System	90.15	955.09	4757.47	171.312

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Link Flow Summary
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Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
1060	CONDUIT	574.35	0 01:14	8.57	1.21	1.00
1060_SPLIT	CONDUIT	307.74	0 00:57	6.28	0.04	0.19
1061	CONDUIT	558.81	0 01:05	8.75	1.18	1.00
1061_OFL	CONDUIT	203.88	0 00:55	3.97	0.04	0.17
1139	CONDUIT	167.81	0 01:14	6.55	1.18	1.00
1139_OFL	CHANNEL	306.72	0 00:40	6.36	0.02	0.12
1140	CONDUIT	124.88	0 01:19	11.09	1.07	1.00
1140_OFL	CHANNEL	335.82	0 00:38	12.17	0.01	0.08
1145	CONDUIT	113.27	0 00:53	12.91	1.08	1.00
1145_OFL	CHANNEL	24.76	0 00:43	10.71	0.00	0.03
1148-1	CONDUIT	390.63	0 00:37	14.24	1.20	1.00
1148-1_OFL	CHANNEL	123.28	0 00:40	8.47	0.00	0.06
1155	CONDUIT	446.21	0 00:46	2.90	0.05	0.29
1160	CONDUIT	140.02	0 00:43	1.89	0.02	0.20
1170	CONDUIT	80.83	0 00:53	3.07	0.00	0.11
1407	CONDUIT	36.43	0 01:35	10.21	0.52	0.51
1408	CONDUIT	36.63	0 01:34	6.36	0.94	0.77
1409	CONDUIT	37.14	0 01:34	5.78	1.07	1.00
1409_SPLIT	CONDUIT	16.75	0 01:27	2.66	0.00	0.01
1410	CONDUIT	52.83	0 01:26	8.34	1.08	1.00

1410_SPLIT	CONDUIT	116.49	0	00:37	>50.00	0.00	0.01	1535	CHANNEL	125.06	0	00:50	6.55	0.00	0.06
1413	CONDUIT	104.89	0	00:45	5.06	0.82	0.69	1599	CONDUIT	1096.72	0	01:21	34.15	0.95	0.78
1413_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00	1599_OFL	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
1414	CONDUIT	105.18	0	00:43	4.35	0.98	0.80	1600	CONDUIT	245.40	0	01:59	7.22	1.06	1.00
1414_SPLIT	CHANNEL	0.00	0	00:00	0.00	0.00	0.00	1600_OFL	CONDUIT	865.58	0	01:21	1.24	0.15	0.41
1415	CONDUIT	105.42	0	00:41	5.78	0.70	0.62	1605	CONDUIT	411.43	0	01:44	16.68	1.02	1.00
1415-1	CONDUIT	27.61	0	01:28	4.22	0.18	0.28	1605_OFL	CONDUIT	701.19	0	01:08	6.00	0.01	0.07
1422_1	CONDUIT	27.71	0	01:27	4.27	0.17	0.28	1610	CONDUIT	128.69	0	00:42	3.55	0.01	0.07
1423	CONDUIT	27.84	0	01:26	4.02	0.19	0.29	1615	CONDUIT	63.94	0	02:17	6.19	1.07	1.00
1424	CONDUIT	27.96	0	01:25	5.70	0.12	0.23	1615_OFL	CONDUIT	918.21	0	01:07	6.54	0.04	0.27
1424-1	CONDUIT	28.22	0	01:24	5.48	0.39	0.43	1618	CONDUIT	38.46	0	02:15	6.15	1.06	1.00
1425_1	CONDUIT	28.47	0	01:23	2.52	1.06	1.00	1618_OFL	CHANNEL	886.03	0	01:05	3.28	0.12	0.35
1425_OFL	CONDUIT	85.36	0	00:51	3.11	0.01	0.07	1619	CONDUIT	39.08	0	01:48	6.03	1.07	1.00
1429	CHANNEL	174.45	0	00:44	3.53	0.01	0.11	1619_OFL	CHANNEL	276.13	0	00:42	3.23	0.02	0.15
1430	CONDUIT	4.78	0	02:40	0.84	1.08	1.00	1620	CONDUIT	39.20	0	01:30	6.13	1.07	1.00
1430_SPLIT	CHANNEL	174.62	0	00:43	6.75	0.01	0.10	1620_OFL	CHANNEL	187.17	0	00:37	5.22	0.01	0.09
1432	CONDUIT	45.90	0	02:09	7.07	1.06	1.00	1624	CHANNEL	95.67	0	00:44	4.80	0.00	0.06
1432_OFL	CHANNEL	48.24	0	01:13	3.31	0.00	0.06	1625	CHANNEL	95.80	0	00:42	2.97	0.01	0.08
1432-1	CONDUIT	35.17	0	02:23	12.17	1.05	1.00	1630	CHANNEL	725.27	0	01:09	8.15	0.03	0.15
1432-1_OFL	CHANNEL	58.07	0	01:13	11.12	0.00	0.04	1631	CHANNEL	684.40	0	01:12	5.59	0.04	0.19
1432-2	CONDUIT	36.76	0	02:20	12.52	1.07	1.00	1699	CONDUIT	289.40	0	00:45	9.60	0.88	0.75
1432-2_OFL	CHANNEL	57.11	0	01:12	9.73	0.00	0.03	1699_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
1432-3	CONDUIT	15.96	0	00:25	6.60	1.04	1.00	1700	CONDUIT	227.35	0	01:10	8.93	1.05	1.00
1432-3_OFL	CHANNEL	76.15	0	01:12	7.91	0.00	0.05	1700_OFL	CHANNEL	73.21	0	00:45	9.81	0.00	0.05
1433	CONDUIT	19.31	0	02:27	7.21	1.04	1.00	1707	CONDUIT	139.16	0	00:58	8.54	0.60	0.56
1433_OFL	CHANNEL	72.83	0	01:11	2.34	0.01	0.11	1707_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
1434	CONDUIT	3.88	0	02:29	3.72	1.05	1.00	1708	CONDUIT	139.66	0	00:57	6.73	0.84	0.70
1434_OFL	CHANNEL	87.80	0	01:10	3.40	0.01	0.09	1708_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
1434-1	CONDUIT	26.89	0	01:29	4.31	0.71	0.62	1709	CONDUIT	140.96	0	00:56	10.97	0.44	0.46
1436	CONDUIT	27.02	0	01:28	4.36	0.70	0.61	1709_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
1437	CONDUIT	26.99	0	01:27	4.43	0.70	0.62	1710	CONDUIT	142.06	0	00:55	12.51	1.05	1.00
1438	CONDUIT	27.20	0	01:26	4.33	1.04	1.00	1710_SPLIT	CONDUIT	51.20	0	00:47	3.74	0.01	0.06
1438_OFL	CONDUIT	53.19	0	00:42	3.98	0.00	0.07	1715	CONDUIT	133.18	0	00:41	3.23	0.01	0.14
1439	CONDUIT	59.82	0	00:59	13.02	1.08	1.00	1718	CONDUIT	64.18	0	00:40	3.33	0.00	0.09
1439_OFL	CHANNEL	23.85	0	00:38	6.02	0.00	0.03	1719	CHANNEL	64.69	0	00:38	4.80	0.00	0.05
1440	CONDUIT	49.24	0	01:07	10.90	1.07	1.00	1720	CHANNEL	64.69	0	00:37	3.56	0.00	0.06
1440_OFL	CHANNEL	33.37	0	00:39	8.70	0.00	0.03	1815	CONDUIT	313.70	0	02:42	7.85	1.08	1.00
1505	CONDUIT	214.54	0	01:51	10.03	1.07	1.00	1815_OFL	CHANNEL	1078.81	0	01:04	15.06	0.01	0.10
1505_OFL	CHANNEL	580.36	0	00:45	7.49	0.02	0.14	1817	CONDUIT	360.94	0	02:35	8.79	1.07	1.00
1509	CHANNEL	84.92	0	00:39	6.72	0.00	0.05	1817_OFL	CHANNEL	985.79	0	01:01	10.76	0.01	0.08
1510	CHANNEL	86.80	0	00:37	5.38	0.00	0.05	1818	CONDUIT	308.43	0	02:35	10.39	1.06	1.00
1515	CONDUIT	120.52	0	02:06	5.64	1.07	1.00	1818_OFL	CHANNEL	1031.12	0	01:01	6.09	0.03	0.15
1515_OFL	CONDUIT	371.32	0	00:46	3.99	0.05	0.19	1819	CONDUIT	450.93	0	01:53	14.98	1.06	1.00
1515-1	CONDUIT	109.80	0	01:19	12.68	1.06	1.00	1819_OFL	CONDUIT	428.24	0	01:09	6.54	0.01	0.18
1515-1_OFL	CHANNEL	132.60	0	00:44	6.66	0.01	0.07	1820_OFL	CONDUIT	428.17	0	01:09	4.57	0.03	0.24
1515-2	CONDUIT	77.41	0	01:28	12.63	1.06	1.00	1823	CONDUIT	342.97	0	01:45	9.67	1.07	1.00
1515-2_OFL	CHANNEL	163.88	0	00:43	10.66	0.00	0.06	1823_OFL	CHANNEL	214.65	0	00:46	5.41	0.01	0.10
1516	CONDUIT	107.52	0	01:15	12.26	1.05	1.00	1824	CONDUIT	311.68	0	02:21	8.86	1.07	1.00
1516_OFL	CHANNEL	135.41	0	00:42	9.43	0.00	0.06	1824_OFL	CONDUIT	978.53	0	01:08	9.74	0.02	0.23
1517	CONDUIT	71.72	0	01:27	8.19	1.07	1.00	1825	CONDUIT	501.27	0	01:55	14.21	1.07	1.00
1517_OFL	CHANNEL	170.29	0	00:42	7.60	0.01	0.08	1825_OFL	CHANNEL	800.23	0	01:07	8.40	0.04	0.19
1518	CONDUIT	78.63	0	01:24	12.61	1.08	1.00	1830	CHANNEL	34.82	0	00:45	3.80	0.00	0.04
1518_OFL	CHANNEL	164.96	0	00:41	11.63	0.00	0.06	1831	CONDUIT	308.07	0	02:17	8.91	1.05	1.00
1519	CONDUIT	84.47	0	01:16	9.44	1.20	1.00	1831_OFL	CONDUIT	920.61	0	01:07	2.64	0.23	0.56
1519_OFL	CHANNEL	169.79	0	00:38	10.44	0.00	0.06	1831-1	CONDUIT	472.73	0	01:57	13.17	1.07	1.00
1520	CONDUIT	62.86	0	01:22	9.75	1.07	1.00	1831-1_OFL	CHANNEL	772.17	0	01:07	9.07	0.02	0.15
1520_OFL	CHANNEL	181.09	0	00:38	6.76	0.01	0.07	1832	CONDUIT	195.54	0	02:35	7.00	1.07	1.00
1521	CHANNEL	73.87	0	00:46	6.81	0.00	0.04	1832_OFL	CHANNEL	1035.35	0	01:04	8.37	0.06	0.23
1525	CONDUIT	129.28	0	01:48	6.11	1.08	1.00	1833	CONDUIT	257.80	0	02:19	14.36	1.07	1.00
1525_SPLIT	CONDUIT	395.05	0	00:51	5.20	0.03	0.16	1833_OFL	CHANNEL	976.10	0	01:03	11.50	0.03	0.17
1526	CHANNEL	191.60	0	00:42	7.15	0.01	0.07	1834	CONDUIT	157.01	0	02:37	13.56	1.07	1.00
1526-1	CONDUIT	190.77	0	00:44	3.48	0.02	0.12	1834_OFL	CHANNEL	1071.37	0	01:02	6.92	0.08	0.27
1529	CONDUIT	127.34	0	01:27	11.18	1.08	1.00	1840	CONDUIT	1188.11	0	01:00	8.98	0.04	0.27
1529_OFL	CHANNEL	111.52	0	00:52	8.85	0.01	0.07	1845	CONDUIT	1109.95	0	01:00	9.65	0.03	0.25
1530	CONDUIT	68.92	0	01:44	10.73	1.08	1.00	1854	CONDUIT	997.60	0	01:00	6.50	0.04	0.29
1530_OFL	CHANNEL	166.91	0	00:49	9.92	0.00	0.07	1855	CONDUIT	998.28	0	00:59	5.19	0.06	0.33

1857	CONDUIT	942.82	0	00:59	3.55	0.09	0.39
1858	CONDUIT	117.73	0	02:27	3.99	1.07	1.00
1858_OFL	CONDUIT	161.62	0	01:58	12.82	0.00	0.06
1859	CONDUIT	271.17	0	01:58	11.35	0.86	0.72
1860	CONDUIT	276.29	0	01:57	9.49	1.06	1.00
1860_SPLIT	CONDUIT	683.43	0	00:58	5.88	0.03	0.25
1867	CONDUIT	128.77	0	02:24	7.21	1.06	1.00
1867_OFL	CHANNEL	725.46	0	00:58	5.41	0.05	0.21
1868	CONDUIT	152.45	0	02:19	12.06	0.37	0.43
1868_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
1868-1_SPLIT	CHANNEL	695.65	0	00:58	13.75	0.02	0.12
1869	CONDUIT	154.59	0	02:19	9.10	1.02	0.90
1869_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.01
1869-1_SPLIT	CONDUIT	695.81	0	00:57	4.36	0.05	0.29
1870	CONDUIT	158.37	0	02:18	9.18	1.05	1.00
1870_SPLIT	CONDUIT	696.33	0	00:56	4.33	0.06	0.32
1875	CONDUIT	136.06	0	00:42	5.27	0.01	0.06
1879	CONDUIT	89.04	0	01:11	10.10	1.06	1.00
1879_SPLIT	CONDUIT	53.33	0	00:46	3.63	0.00	0.10
1880	CONDUIT	36.85	0	01:40	5.72	1.06	1.00
1880_OFL	CHANNEL	105.08	0	00:42	4.94	0.00	0.07
1882	CONDUIT	122.33	0	02:08	8.28	1.07	1.00
1882_OFL	CONDUIT	126.95	0	00:47	3.08	0.01	0.09
1883	CONDUIT	122.70	0	02:03	8.31	1.07	1.00
1883_OFL	CHANNEL	78.21	0	01:12	7.24	0.00	0.05
1883-1_SPLIT	CONDUIT	372.15	0	01:00	3.13	0.03	0.25
1884	CONDUIT	108.91	0	02:12	10.91	0.68	0.60
1884-1_SPLIT	CONDUIT	373.22	0	00:58	2.02	0.06	0.32
1885	CONDUIT	109.51	0	02:11	9.63	1.05	1.00
1885_SPLIT	CONDUIT	374.56	0	00:55	3.25	0.03	0.25
1890	CONDUIT	106.37	0	00:32	7.26	1.07	1.00
1890_OFL	CHANNEL	32.76	0	00:43	5.89	0.00	0.04
1894	CONDUIT	77.29	0	00:30	6.94	1.07	1.00
1894_SPLIT	CONDUIT	316.02	0	00:55	3.04	0.04	0.27
1897	CONDUIT	16.27	0	02:57	3.72	0.31	0.38
1898	CONDUIT	16.64	0	02:56	2.65	1.07	1.00
1898_SPLIT	CONDUIT	284.14	0	00:51	3.13	0.02	0.22
1899	CONDUIT	162.48	0	01:32	14.08	1.05	1.00
1899_OFL	CHANNEL	145.98	0	00:50	4.15	0.01	0.09
1900	CONDUIT	65.19	0	02:16	7.58	1.06	1.00
1900_OFL	CHANNEL	238.49	0	00:49	5.42	0.01	0.11
1905	CONDUIT	157.89	0	00:49	4.22	0.01	0.13
1910	CONDUIT	114.87	0	00:47	3.71	0.01	0.11
1920	CHANNEL	67.99	0	00:49	4.74	0.00	0.05
1925	CONDUIT	244.42	0	00:45	8.00	0.01	0.11
1930	CHANNEL	133.78	0	00:45	4.16	0.01	0.08
1934	CONDUIT	238.50	0	01:38	8.34	1.07	1.00
1934_SPLIT	CHANNEL	305.35	0	00:51	5.37	0.01	0.11
1935	CONDUIT	80.76	0	02:23	4.65	1.06	1.00
1935_OFL	CHANNEL	451.17	0	00:51	2.84	0.08	0.28
1943	CONDUIT	91.35	0	02:14	5.08	1.07	1.00
1943_OFL	CHANNEL	311.52	0	01:09	13.11	0.00	0.05
1944	CONDUIT	375.53	0	01:08	20.69	1.07	1.00
1944_OFL	CHANNEL	31.81	0	00:53	21.63	0.00	0.02
1945	CONDUIT	181.66	0	01:40	12.55	1.06	1.00
1945_OFL	CHANNEL	211.51	0	00:52	8.59	0.00	0.05
1945-1	CONDUIT	84.20	0	02:06	11.55	0.62	0.57
1946	CONDUIT	85.03	0	02:05	7.38	1.07	1.00
1946_SPLIT	CONDUIT	171.28	0	01:06	3.95	0.01	0.17
1947	CONDUIT	75.65	0	02:09	8.51	1.07	1.00
1947_OFL	CHANNEL	24.61	0	01:58	9.92	0.00	0.03
1948	CONDUIT	96.07	0	01:57	10.88	1.07	1.00
1948_SPLIT	CONDUIT	161.75	0	01:02	3.76	0.01	0.15
1949	CONDUIT	59.61	0	02:24	5.48	1.06	1.00
1949_OFL	CHANNEL	195.83	0	01:00	4.59	0.01	0.10
1949-1	CONDUIT	96.23	0	01:55	10.82	1.07	1.00
1949-1_OFL	CHANNEL	162.26	0	01:01	9.13	0.00	0.06
1950	CONDUIT	75.62	0	02:11	6.50	1.12	1.00
1950_OFL	CONDUIT	184.48	0	00:59	6.34	0.00	0.11
1951	CONDUIT	45.83	0	02:22	5.03	0.81	0.66
1951_OFL	CHANNEL	0.00	0	00:00	0.00	0.00	0.00
1952	CONDUIT	45.25	0	02:21	5.30	1.04	0.93
1952_OFL	CHANNEL	1.60	0	02:21	6.71	0.00	0.01
1953	CONDUIT	46.77	0	02:19	5.36	1.08	1.00
1953_SPLIT	CONDUIT	142.47	0	01:02	2.94	0.01	0.18
1954	CONDUIT	46.21	0	02:14	5.25	1.06	1.00
1954_OFL	CHANNEL	144.53	0	00:56	3.90	0.01	0.09
1955	CONDUIT	34.28	0	02:24	5.36	1.06	1.00
1955_OFL	CHANNEL	155.57	0	00:55	3.69	0.01	0.09
1956	CHANNEL	81.75	0	01:03	4.12	0.00	0.05
1957	CONDUIT	81.78	0	01:02	2.07	0.01	0.13
1958	CHANNEL	81.91	0	01:00	3.74	0.00	0.06
1959	CHANNEL	81.97	0	00:58	3.37	0.00	0.07
1960	CHANNEL	82.18	0	00:53	2.21	0.01	0.09
DUMMY_1059	DUMMY	574.35	0	01:14			
DUMMY_1148	DUMMY	987.53	0	00:49			
DUMMY_140	DUMMY	345.81	0	00:36			
DUMMY_1406	DUMMY	36.43	0	01:35			
DUMMY_1420	DUMMY	379.39	0	00:46			
DUMMY_1435	DUMMY	125.95	0	00:41			
DUMMY_145	DUMMY	133.13	0	00:36			
DUMMY_150	DUMMY	125.49	0	00:36			
DUMMY_1504	DUMMY	780.48	0	00:45			
DUMMY_155	DUMMY	231.55	0	00:36			
DUMMY_1598	DUMMY	1096.72	0	01:21			
DUMMY_160	DUMMY	172.41	0	00:31			
DUMMY_165	DUMMY	65.63	0	00:41			
DUMMY_1698	DUMMY	356.95	0	00:44			
DUMMY_170	DUMMY	88.89	0	00:41			
DUMMY_1800	DUMMY	1487.21	0	01:03			
DUMMY_1819	DUMMY	857.14	0	01:08			
DUMMY_1849	DUMMY	1188.11	0	01:00			
DUMMY_410	DUMMY	164.68	0	00:36			
DUMMY_415	DUMMY	78.59	0	00:41			
DUMMY_420	DUMMY	169.94	0	00:36			
DUMMY_425	DUMMY	68.31	0	00:36			
DUMMY_430	DUMMY	128.20	0	00:36			
DUMMY_435	DUMMY	74.56	0	00:36			
DUMMY_440	DUMMY	79.37	0	00:36			
DUMMY_505	DUMMY	250.73	0	00:36			
DUMMY_510	DUMMY	87.22	0	00:36			
DUMMY_515	DUMMY	134.05	0	00:41			
DUMMY_520	DUMMY	190.74	0	00:36			
DUMMY_521	DUMMY	75.64	0	00:41			
DUMMY_525	DUMMY	124.71	0	00:41			
DUMMY_526	DUMMY	199.12	0	00:36			
DUMMY_530	DUMMY	127.97	0	00:36			
DUMMY_535	DUMMY	127.60	0	00:46			
DUMMY_56	DUMMY	99.79	0	00:46			
DUMMY_60	DUMMY	119.27	0	00:41			
DUMMY_600	DUMMY	86.78	0	00:36			
DUMMY_605	DUMMY	155.19	0	00:36			
DUMMY_61	DUMMY	266.68	0	00:36			
DUMMY_610	DUMMY	130.52	0	00:36			
DUMMY_615	DUMMY	98.32	0	00:36			
DUMMY_620	DUMMY	224.99	0	00:36			
DUMMY_625	DUMMY	96.19	0	00:41			
DUMMY_630	DUMMY	72.37	0	00:36			
DUMMY_700	DUMMY	50.25	0	00:41			
DUMMY_705	DUMMY	68.90	0	00:41			
DUMMY_710	DUMMY	68.02	0	00:36			
DUMMY_715	DUMMY	71.72	0	00:36			

DUMMY_720	DUMMY	65.61	0	00:36
DUMMY_800	DUMMY	225.65	0	00:36
DUMMY_815	DUMMY	93.44	0	00:36
DUMMY_820	DUMMY	83.10	0	00:41
DUMMY_825	DUMMY	126.97	0	00:36
DUMMY_830	DUMMY	35.43	0	00:41
DUMMY_835	DUMMY	108.46	0	00:31
DUMMY_840	DUMMY	159.29	0	00:36
DUMMY_845	DUMMY	61.14	0	00:41
DUMMY_850	DUMMY	86.68	0	00:41
DUMMY_855	DUMMY	71.02	0	00:41
DUMMY_860	DUMMY	126.62	0	00:41
DUMMY_865	DUMMY	177.05	0	00:36
DUMMY_870	DUMMY	101.01	0	00:36
DUMMY_875	DUMMY	139.18	0	00:36
DUMMY_880	DUMMY	140.16	0	00:41
DUMMY_885	DUMMY	58.24	0	00:36
DUMMY_890	DUMMY	59.91	0	00:41
DUMMY_895	DUMMY	105.63	0	00:41
DUMMY_900	DUMMY	37.50	0	00:46
DUMMY_905	DUMMY	44.14	0	00:51
DUMMY_910	DUMMY	115.05	0	00:46
DUMMY_915	DUMMY	37.79	0	00:46
DUMMY_920	DUMMY	68.73	0	00:46
DUMMY_925	DUMMY	115.06	0	00:41
DUMMY_930	DUMMY	142.68	0	00:36
DUMMY_935	DUMMY	220.18	0	00:36
DUMMY_940	DUMMY	115.87	0	00:36
DUMMY_949	DUMMY	123.35	0	00:36
DUMMY_950	DUMMY	92.12	0	00:41
DUMMY_955	DUMMY	135.18	0	00:41
DUMMY_960	DUMMY	82.43	0	00:51
POND_1435_OUT	DUMMY	65.44	0	01:10
POND_1835_OUT	DUMMY	1218.78	0	01:01

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
1060	0.68	0.68	0.68	0.68	0.68
1061	0.52	0.52	0.52	0.53	0.52
1139	0.85	0.85	0.85	0.87	0.85
1140	0.92	0.92	0.92	0.93	0.92
1145	0.35	0.35	0.35	0.08	0.35
1148-1	0.37	0.37	0.37	0.38	0.37
1409	1.15	1.15	1.15	0.05	1.15
1410	1.00	1.00	1.00	0.03	1.00
1425_1	0.98	0.98	0.98	0.05	0.98
1430	2.38	2.38	2.38	2.40	2.38
1432	1.67	1.67	1.67	1.68	1.67
1432-1	1.87	1.87	1.87	0.05	1.87
1432-2	1.85	1.85	1.85	0.07	1.85
1432-3	2.10	2.10	2.10	0.05	2.10
1433	2.05	2.05	2.05	0.02	2.05
1434	2.20	2.20	2.20	0.02	2.20
1438	1.00	1.00	1.00	0.05	1.00
1439	0.52	0.52	0.52	0.08	0.52
1440	0.68	0.68	0.68	0.05	0.68
1505	1.42	1.42	1.42	1.43	1.42
1515	1.65	1.65	1.65	1.68	1.65
1515-1	0.72	0.72	0.72	0.75	0.72
1515-2	0.95	0.95	0.95	0.03	0.95
1516	0.72	0.72	0.72	0.72	0.72
1517	0.97	0.97	0.97	0.03	0.97
1518	0.92	0.92	0.92	0.95	0.92
1519	0.93	0.93	0.93	0.12	0.93
1520	1.00	1.00	1.00	1.00	1.00
1525	1.28	1.28	1.28	1.32	1.28
1529	0.83	0.83	0.83	0.85	0.83
1530	1.25	1.25	1.25	0.07	1.25
1600	1.48	1.48	1.48	1.50	1.48
1605	1.13	1.13	1.13	0.03	1.13
1615	1.83	1.83	1.83	1.83	1.83
1618	1.83	1.83	1.83	0.05	1.83
1619	1.45	1.45	1.45	0.07	1.45
1620	1.13	1.13	1.13	0.07	1.13
1700	0.60	0.60	0.60	0.07	0.60
1710	0.40	0.40	0.40	0.42	0.40
1815	2.17	2.17	2.17	2.18	2.17
1817	2.05	2.05	2.05	2.05	2.05
1818	2.08	2.08	2.08	2.10	2.08
1819	1.13	1.13	1.13	1.15	1.13
1823	1.47	1.47	1.47	0.33	1.47
1824	1.70	1.70	1.70	0.07	1.70
1825	1.25	1.25	1.25	0.12	1.25
1831	1.57	1.57	1.57	0.07	1.57
1831-1	1.25	1.25	1.25	0.08	1.25
1832	1.90	1.90	1.90	0.05	1.90
1833	1.70	1.70	1.70	1.72	1.70
1834	2.18	2.18	2.18	2.18	2.18
1858	2.05	2.05	2.05	2.05	2.05
1860	1.48	1.48	1.48	1.48	1.48
1867	1.98	1.98	1.98	2.00	1.98
1869	0.02	0.02	0.02	0.02	0.02
1870	1.87	1.87	1.87	1.88	1.87
1879	0.68	0.68	0.68	0.07	0.68
1880	1.27	1.27	1.27	0.07	1.27
1882	1.78	1.78	1.78	1.78	1.78
1883	1.77	1.77	1.77	1.78	1.77
1885	1.75	1.75	1.75	1.73	1.75
1890	0.92	0.92	0.92	0.93	0.92
1894	1.83	1.83	1.83	1.85	1.83
1898	2.48	2.48	2.48	0.07	2.48
1899	0.98	0.98	0.98	0.97	0.98
1900	1.75	1.75	1.75	1.77	1.75
1934	1.17	1.17	1.17	1.17	1.17
1935	1.98	1.98	1.98	2.00	1.98
1943	1.83	1.83	1.83	1.83	1.83
1944	0.45	0.45	0.45	0.45	0.45
1945	1.23	1.23	1.23	1.23	1.23
1946	1.58	1.58	1.58	0.12	1.58
1947	1.70	1.70	1.70	0.13	1.70
1948	1.43	1.43	1.43	0.07	1.43
1949	1.92	1.92	1.92	1.93	1.92
1949-1	1.43	1.43	1.43	1.43	1.43
1950	1.70	1.70	1.70	1.72	1.70
1952	1.83	1.83	1.83	1.78	1.83
1953	1.80	1.80	1.80	1.83	1.80
1954	1.80	1.80	1.80	1.80	1.80
1955	2.02	2.02	2.02	2.03	2.02

Analysis begun on: Thu May 26 14:42:48 2022
Analysis ended on: Thu May 26 14:42:48 2022
Total elapsed time: < 1 sec