

GARDEN CITY STORMWATER MASTER PLAN

APPENDIX C

CONTENTS:

HEIDT–TELFAR BASIN
HYDROLOGIC PARAMETERS, EXHIBITS, & RESULTS

J-24540.0005





Job Number: 24540.0005	Produced: 4/9/2014	Produced By: JLR	Modified: 5/16/2014	Modified By:
File: Z:\24540\24540.0005\GIS\Map\Exhibits\Heidt\Telfair Basin Map.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source	Date		
Basins	Thomas & Hutton	2014		
Aerial Photography	GA DNR	2013		
DISCLAIMER				
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.				
Copyright © 2014 by Thomas & Hutton				
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.				

Garden City Stormwater Master Plan

Chatham County, Georgia

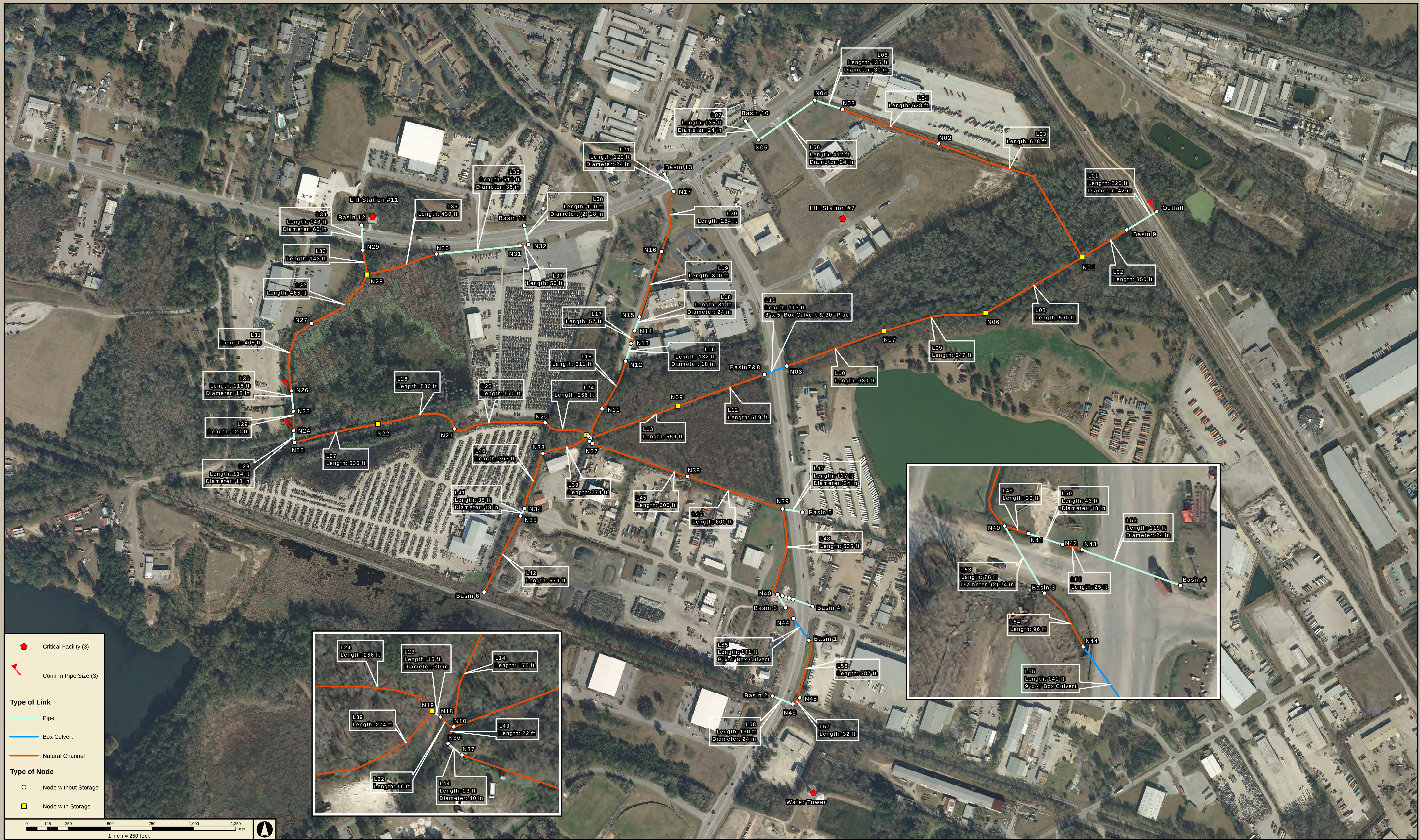
Heidt/Telfair Basin Map



THOMAS & HUTTON
50 PARK OF COMMERCE WAY • PO BOX 2727
SAVANNAH, GA 31402-2727 • 912.234.5300
www.thomasandhutton.com
GEOGRAPHIC INFORMATION SYSTEMS
Brunswick, GA | Charleston, SC | Myrtle Beach, SC | Wilmington, NC

Garden City Stormwater Master Plan : Heidt/Telfair Basin Map

Figure 1



Job Number: 24540.0005	Produced: 4/8/2014	Produced By: JLR	Modified: 10/2/2014	Modified By:
File: Z:\24540\24540.0005\GIS\Mxd\Exhibits\Heidt Telfair NodeLink Map.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source	Date		
Nodes	Thomas & Hutton	2014		
Links	Thomas & Hutton	2014		
Aerial Photography	GA DNR	2013		
FEMA DFIRM	FEMA	2013		
DISCLAIMER				
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.				
Copyright © 2014 by Thomas & Hutton				
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.				

Garden City Stormwater Master Plan

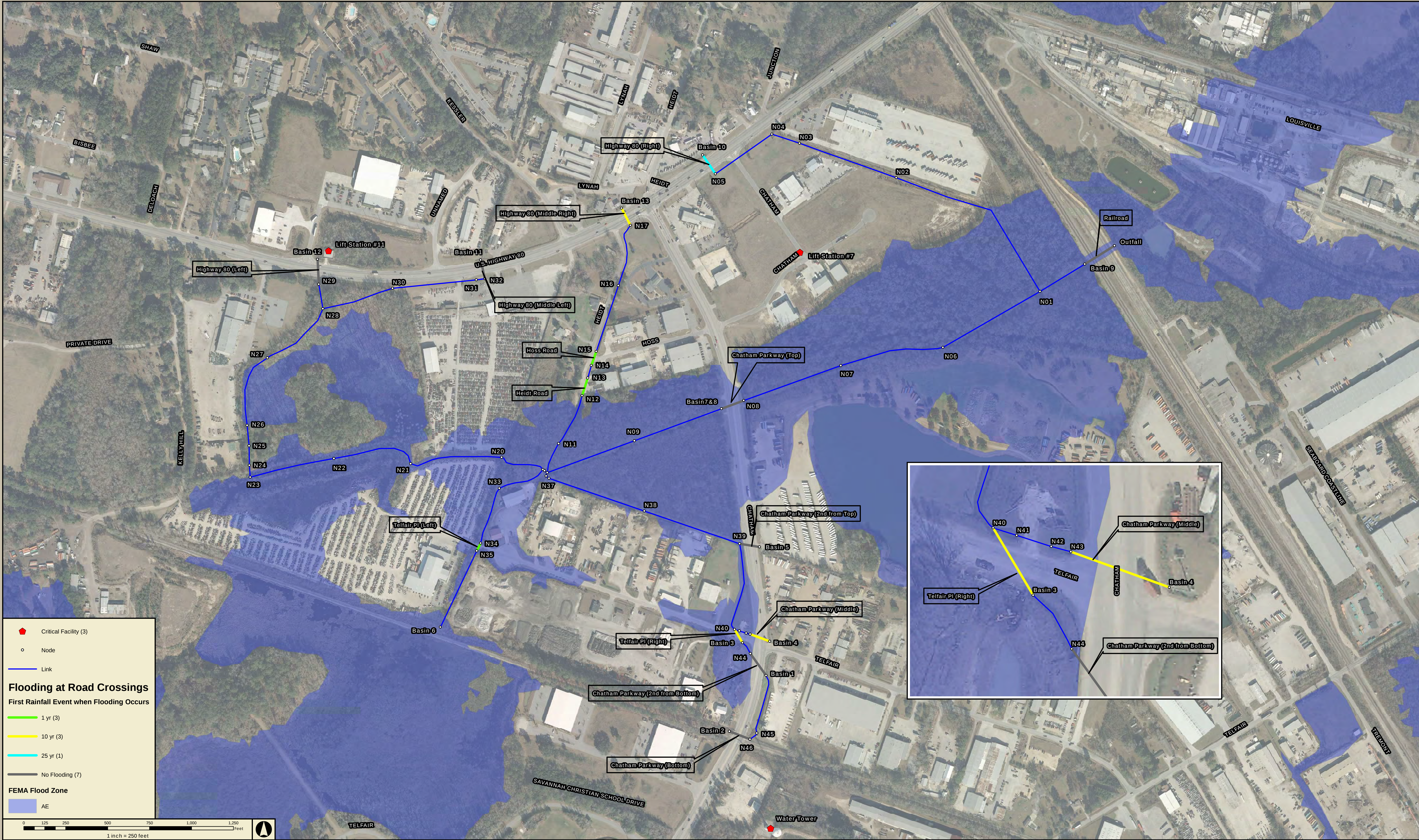
Chatham County, Georgia

Heidt/Telfair Basin Node/Link Map

THOMAS & HUTTON
50 PARK OF COMMERCE WAY • PO BOX 2727
SAVANNAH, GA 31402-2727 • 912.234.5300
www.thomasandhutton.com

GEOGRAPHIC INFORMATION SYSTEMS

Brunswick, GA | Charleston, SC | Myrtle Beach, SC | Wilmington, NC



Job Number: 24540.0005	Produced: 4/14/2014	Produced By: JLR	Modified: 10/2/2014	Modified By:
File: Z:\24540\24540.0005\GIS\Mxd\Exhibits\Heidt Telfair Flood Map.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source	Date		
Nodes	Thomas & Hutton	2014		
Links	Thomas & Hutton	2014		
Aerial Photography	GA DNR	2013		
FEMA DFRM	FEMA	2013		
DISCLAIMER				
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.				
Copyright © 2014 by Thomas & Hutton				
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.				

Garden City Stormwater Master Plan

Chatham County, Georgia

Heidt/Telfair Basin Existing Flooding at Roadways

THOMAS & HUTTON
50 PARK OF COMMERCE WAY • PO BOX 2727
SAVANNAH, GA 31402-2727 • 912.234.5300
www.thomasandhutton.com

GEOGRAPHIC INFORMATION SYSTEMS

Brunswick, GA | Charleston, SC | Myrtle Beach, SC | Wilmington, NC

Heidt-Telfair Basin Input

Name	Storm	Subcatchment	Area ha;ac	Time of Concentration (min)	Curve Number	Routing Method
Basin 9	1yr_24hr	1	198.43	68.34	87.0	SCS Hydrology
Basin 9	10yr_24hr	1	198.43	68.34	87.0	SCS Hydrology
Basin 9	25yr_24hr	1	198.43	68.34	87.0	SCS Hydrology
Basin 9	50yr_24hr	1	198.43	68.34	87.0	SCS Hydrology
Basin 9	100yr_24hr	1	198.43	68.34	87.0	SCS Hydrology
Basin7&8	1yr_24hr	1	162.18	106.80	90.0	SCS Hydrology
Basin7&8		2	7.13	33.18	94.0	SCS Hydrology
Basin7&8	10yr_24hr	1	162.18	106.80	90.0	SCS Hydrology
Basin7&8		2	7.13	33.18	94.0	SCS Hydrology
Basin7&8	25yr_24hr	1	162.18	106.80	90.0	SCS Hydrology
Basin7&8		2	7.13	33.18	94.0	SCS Hydrology
Basin7&8	50yr_24hr	1	162.18	106.80	90.0	SCS Hydrology
Basin7&8		2	7.13	33.18	94.0	SCS Hydrology
Basin7&8	100yr_24hr	1	162.18	106.80	90.0	SCS Hydrology
Basin7&8		2	7.13	33.18	94.0	SCS Hydrology
Basin 5	1yr_24hr	1	6.93	24.24	89.0	SCS Hydrology
Basin 5	10yr_24hr	1	6.93	24.24	89.0	SCS Hydrology
Basin 5	25yr_24hr	1	6.93	24.24	89.0	SCS Hydrology
Basin 5	50yr_24hr	1	6.93	24.24	89.0	SCS Hydrology
Basin 5	100yr_24hr	1	6.93	24.24	89.0	SCS Hydrology
Basin 3	1yr_24hr	1	6.27	20.76	85.0	SCS Hydrology
Basin 3	10yr_24hr	1	6.27	20.76	85.0	SCS Hydrology
Basin 3	25yr_24hr	1	6.27	20.76	85.0	SCS Hydrology
Basin 3	50yr_24hr	1	6.27	20.76	85.0	SCS Hydrology
Basin 3	100yr_24hr	1	6.27	20.76	85.0	SCS Hydrology
Basin 1	1yr_24hr	1	19.51	31.20	95.0	SCS Hydrology
Basin 1	10yr_24hr	1	19.51	31.20	95.0	SCS Hydrology
Basin 1	25yr_24hr	1	19.51	31.20	95.0	SCS Hydrology
Basin 1	50yr_24hr	1	19.51	31.20	95.0	SCS Hydrology
Basin 1	100yr_24hr	1	19.51	31.20	95.0	SCS Hydrology
Basin 2	1yr_24hr	1	3.29	14.28	89.0	SCS Hydrology
Basin 2	10yr_24hr	1	3.29	14.28	89.0	SCS Hydrology
Basin 2	25yr_24hr	1	3.29	14.28	89.0	SCS Hydrology
Basin 2	50yr_24hr	1	3.29	14.28	89.0	SCS Hydrology
Basin 2	100yr_24hr	1	3.29	14.28	89.0	SCS Hydrology
Basin 11	1yr_24hr	1	4.86	22.44	93.0	SCS Hydrology
Basin 11	10yr_24hr	1	4.86	22.44	93.0	SCS Hydrology
Basin 11	25yr_24hr	1	4.86	22.44	93.0	SCS Hydrology
Basin 11	50yr_24hr	1	4.86	22.44	93.0	SCS Hydrology
Basin 11	100yr_24hr	1	4.86	22.44	93.0	SCS Hydrology
Basin 10	1yr_24hr	1	11.13	30.18	88.0	SCS Hydrology
Basin 10	10yr_24hr	1	11.13	30.18	88.0	SCS Hydrology
Basin 10	25yr_24hr	1	11.13	30.18	88.0	SCS Hydrology
Basin 10	50yr_24hr	1	11.13	30.18	88.0	SCS Hydrology
Basin 10	100yr_24hr	1	11.13	30.18	88.0	SCS Hydrology
Basin 4	1yr_24hr	1	10.69	31.80	90.0	SCS Hydrology
Basin 4	10yr_24hr	1	10.69	31.80	90.0	SCS Hydrology
Basin 4	25yr_24hr	1	10.69	31.80	90.0	SCS Hydrology
Basin 4	50yr_24hr	1	10.69	31.80	90.0	SCS Hydrology
Basin 4	100yr_24hr	1	10.69	31.80	90.0	SCS Hydrology
Basin 12	1yr_24hr	1	116.95	78.42	96.0	SCS Hydrology

Heidt-Telfair Basin Input

Name	Storm	Subcatchment	Area ha;ac	Time of Concentration (min)	Curve Number	Routing Method
Basin 12	10yr_24hr	1	116.95	78.42	96.0	SCS Hydrology
Basin 12	25yr_24hr	1	116.95	78.42	96.0	SCS Hydrology
Basin 12	50yr_24hr	1	116.95	78.42	96.0	SCS Hydrology
Basin 12	100yr_24hr	1	116.95	78.42	96.0	SCS Hydrology
Basin 13	1yr_24hr	1	47.00	83.83	89.0	SCS Hydrology
Basin 13	10yr_24hr	1	47.00	83.83	89.0	SCS Hydrology
Basin 13	25yr_24hr	1	47.00	83.83	89.0	SCS Hydrology
Basin 13	50yr_24hr	1	47.00	83.83	89.0	SCS Hydrology
Basin 13	100yr_24hr	1	47.00	83.83	89.0	SCS Hydrology
Basin 6	1yr_24hr	1	24.86	59.64	94.0	SCS Hydrology
Basin 6	10yr_24hr	1	24.86	59.64	94.0	SCS Hydrology
Basin 6	25yr_24hr	1	24.86	59.64	94.0	SCS Hydrology
Basin 6	50yr_24hr	1	24.86	59.64	94.0	SCS Hydrology
Basin 6	100yr_24hr	1	24.86	59.64	94.0	SCS Hydrology

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L01_Pipe	1yr_24hr		Circular	3.5	1.0	0.013	220.00	0.28	4.75	4.13	0.2	0.2
L01_Pipe	10yr_24hr											
L01_Pipe	25yr_24hr											
L01_Pipe	50yr_24hr											
L01_Pipe	100yr_24hr											
Railroad	1yr_24hr	☒										
Railroad	10yr_24hr											
Railroad	25yr_24hr											
Railroad	50yr_24hr											
Railroad	100yr_24hr											
L08	1yr_24hr		Natural	0.0	1.0	0.013	560.00	0.03	4.90	4.71	0.2	0.2
L08	10yr_24hr		Natural	0.0	1.0	0.013	560.00	0.03	4.90	4.71	0.2	0.2
L08	25yr_24hr		Natural	0.0	1.0	0.013	560.00	0.03	4.90	4.71	0.2	0.2
L08	50yr_24hr		Natural	0.0	1.0	0.013	560.00	0.03	4.90	4.71	0.2	0.2
L08	100yr_24hr		Natural	0.0	1.0	0.013	560.00	0.03	4.90	4.71	0.2	0.2
L10	1yr_24hr		Natural	0.0	1.0	0.013	680.00	-0.01	4.50	4.55	0.2	0.2
L10	10yr_24hr		Natural	0.0	1.0	0.013	680.00	-0.01	4.50	4.55	0.2	0.2
L10	25yr_24hr		Natural	0.0	1.0	0.013	680.00	-0.01	4.50	4.55	0.2	0.2
L10	50yr_24hr		Natural	0.0	1.0	0.013	680.00	-0.01	4.50	4.55	0.2	0.2
L10	100yr_24hr		Natural	0.0	1.0	0.013	680.00	-0.01	4.50	4.55	0.2	0.2
L11_Pipe1	1yr_24hr		Rectangula	5.0	1.0	0.013	113.25	0.04	5.00	4.96	0.2	0.2
L11_Pipe1	10yr_24hr											
L11_Pipe1	25yr_24hr											
L11_Pipe1	50yr_24hr											
L11_Pipe1	100yr_24hr											
L11_Pipe2	1yr_24hr		Circular	2.5	1.0	0.013	124.92	1.02	8.42	7.15	0.2	0.2
L11_Pipe2	10yr_24hr											
L11_Pipe2	25yr_24hr											
L11_Pipe2	50yr_24hr											
L11_Pipe2	100yr_24hr											
Ch Pkwy T	1yr_24hr	☒										
Ch Pkwy T	10yr_24hr											
Ch Pkwy T	25yr_24hr											
Ch Pkwy T	50yr_24hr											

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
Ch Pkwy T	100yr_24hr											
L13	1yr_24hr		Natural	0.0	1.0	0.013	559.00	0.01	5.10	5.05	0.2	0.2
L13	10yr_24hr		Natural	0.0	1.0	0.013	559.00	0.01	5.10	5.05	0.2	0.2
L13	25yr_24hr		Natural	0.0	1.0	0.013	559.00	0.01	5.10	5.05	0.2	0.2
L13	50yr_24hr		Natural	0.0	1.0	0.013	559.00	0.01	5.10	5.05	0.2	0.2
L13	100yr_24hr		Natural	0.0	1.0	0.013	559.00	0.01	5.10	5.05	0.2	0.2
L46	1yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	6.14	5.94	0.2	0.2
L46	10yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	6.14	5.94	0.2	0.2
L46	25yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	6.14	5.94	0.2	0.2
L46	50yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	6.14	5.94	0.2	0.2
L46	100yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	6.14	5.94	0.2	0.2
L47_Pipe	1yr_24hr		Circular	2.0	1.0	0.013	116.53	1.70	8.12	6.14	0.2	0.2
L47_Pipe	10yr_24hr											
L47_Pipe	25yr_24hr											
L47_Pipe	50yr_24hr											
L47_Pipe	100yr_24hr											
Ch Pkwy 2T	1yr_24hr	☒										
Ch Pkwy 2T	10yr_24hr											
Ch Pkwy 2T	25yr_24hr											
Ch Pkwy 2T	50yr_24hr											
Ch Pkwy 2T	100yr_24hr											
L48	1yr_24hr		Natural	0.0	1.0	0.013	535.00	0.11	5.91	6.14	0.2	0.2
L48	10yr_24hr		Natural	0.0	1.0	0.013	535.00	0.11	5.91	6.14	0.2	0.2
L48	25yr_24hr		Natural	0.0	1.0	0.013	535.00	0.11	5.91	6.14	0.2	0.2
L48	50yr_24hr		Natural	0.0	1.0	0.013	535.00	0.11	5.91	6.14	0.2	0.2
L48	100yr_24hr		Natural	0.0	1.0	0.013	535.00	0.11	5.91	6.14	0.2	0.2
L53_Pipes	1yr_24hr		Circular	2.0	2.0	0.013	77.55	0.21	6.07	5.91	0.2	0.2
L53_Pipes	10yr_24hr											
L53_Pipes	25yr_24hr											
L53_Pipes	50yr_24hr											
L53_Pipes	100yr_24hr											
Telfair R	1yr_24hr	☒										
Telfair R	10yr_24hr											
Telfair R	25yr_24hr											

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
Telfair R	50yr_24hr											
Telfair R	100yr_24hr											
L54	1yr_24hr		Natural	0.0	1.0	0.013	96.11	0.05	6.12	6.07	0.2	0.2
L54	10yr_24hr		Natural	0.0	1.0	0.013	96.11	0.05	6.12	6.07	0.2	0.2
L54	25yr_24hr		Natural	0.0	1.0	0.013	96.11	0.05	6.12	6.07	0.2	0.2
L54	50yr_24hr		Natural	0.0	1.0	0.013	96.11	0.05	6.12	6.07	0.2	0.2
L54	100yr_24hr		Natural	0.0	1.0	0.013	96.11	0.05	6.12	6.07	0.2	0.2
L55_Pipe	1yr_24hr		Rectangula	4.0	1.0	0.013	140.50	0.03	6.16	6.12	0.2	0.2
L55_Pipe	10yr_24hr											
L55_Pipe	25yr_24hr											
L55_Pipe	50yr_24hr											
L55_Pipe	100yr_24hr											
Ch Pkwy 2B	1yr_24hr	☒										
Ch Pkwy 2B	10yr_24hr											
Ch Pkwy 2B	25yr_24hr											
Ch Pkwy 2B	50yr_24hr											
Ch Pkwy 2B	100yr_24hr											
L56	1yr_24hr		Natural	0.0	1.0	0.013	387.00	0.21	6.98	6.16	0.2	0.2
L56	10yr_24hr		Natural	0.0	1.0	0.013	387.00	0.21	6.98	6.16	0.2	0.2
L56	25yr_24hr		Natural	0.0	1.0	0.013	387.00	0.21	6.98	6.16	0.2	0.2
L56	50yr_24hr		Natural	0.0	1.0	0.013	387.00	0.21	6.98	6.16	0.2	0.2
L56	100yr_24hr		Natural	0.0	1.0	0.013	387.00	0.21	6.98	6.16	0.2	0.2
L57	1yr_24hr		Natural	0.0	1.0	0.013	31.77	10.54	10.33	6.98	0.2	0.2
L57	10yr_24hr		Natural	0.0	1.0	0.013	31.77	10.54	10.33	6.98	0.2	0.2
L57	25yr_24hr		Natural	0.0	1.0	0.013	31.77	10.54	10.33	6.98	0.2	0.2
L57	50yr_24hr		Natural	0.0	1.0	0.013	31.77	10.54	10.33	6.98	0.2	0.2
L57	100yr_24hr		Natural	0.0	1.0	0.013	31.77	10.54	10.33	6.98	0.2	0.2
L58_Pipe	1yr_24hr		Circular	2.0	1.0	0.013	130.41	0.27	10.85	10.50	0.2	0.2
L58_Pipe	10yr_24hr											
L58_Pipe	25yr_24hr											
L58_Pipe	50yr_24hr											
L58_Pipe	100yr_24hr											
Ch Pkwy B	1yr_24hr	☒										
Ch Pkwy B	10yr_24hr											

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
Ch Pkwy B	25yr_24hr											
Ch Pkwy B	50yr_24hr											
Ch Pkwy B	100yr_24hr											
L41_Pipe	1yr_24hr		Circular	1.5	1.0	0.024	35.02	0.57	6.20	6.00	0.2	0.2
L41_Pipe	10yr_24hr											
L41_Pipe	25yr_24hr											
L41_Pipe	50yr_24hr											
L41_Pipe	100yr_24hr											
Telfair L	1yr_24hr	☒										
Telfair L	10yr_24hr											
Telfair L	25yr_24hr											
Telfair L	50yr_24hr											
Telfair L	100yr_24hr											
L40	1yr_24hr		Natural	0.0	1.0	0.013	362.50	0.07	6.00	5.80	0.2	0.2
L40	10yr_24hr		Natural	0.0	1.0	0.013	362.50	0.07	6.00	5.80	0.2	0.2
L40	25yr_24hr		Natural	0.0	1.0	0.013	362.50	0.07	6.00	5.80	0.2	0.2
L40	50yr_24hr		Natural	0.0	1.0	0.013	362.50	0.07	6.00	5.80	0.2	0.2
L40	100yr_24hr		Natural	0.0	1.0	0.013	362.50	0.07	6.00	5.80	0.2	0.2
L43	1yr_24hr		Natural	0.0	1.0	0.013	22.47	0.62	5.24	5.10	0.2	0.2
L43	10yr_24hr		Natural	0.0	1.0	0.013	22.47	0.62	5.24	5.10	0.2	0.2
L43	25yr_24hr		Natural	0.0	1.0	0.013	22.47	0.62	5.24	5.10	0.2	0.2
L43	50yr_24hr		Natural	0.0	1.0	0.013	22.47	0.62	5.24	5.10	0.2	0.2
L43	100yr_24hr		Natural	0.0	1.0	0.013	22.47	0.62	5.24	5.10	0.2	0.2
L44	1yr_24hr		Circular	3.3	1.0	0.013	22.54	2.17	5.73	5.24	0.2	0.2
L44	10yr_24hr		Circular	3.3	1.0	0.013	22.54	2.17	5.73	5.24	0.2	0.2
L44	25yr_24hr		Circular	3.3	1.0	0.013	22.54	2.17	5.73	5.24	0.2	0.2
L44	50yr_24hr		Circular	3.3	1.0	0.013	22.54	2.17	5.73	5.24	0.2	0.2
L44	100yr_24hr		Circular	3.3	1.0	0.013	22.54	2.17	5.73	5.24	0.2	0.2
L32	1yr_24hr		Natural	0.0	1.0	0.013	465.00	0.24	11.00	9.90	0.2	0.2
L32	10yr_24hr		Natural	0.0	1.0	0.013	465.00	0.24	11.00	9.90	0.2	0.2
L32	25yr_24hr		Natural	0.0	1.0	0.013	465.00	0.24	11.00	9.90	0.2	0.2
L32	50yr_24hr		Natural	0.0	1.0	0.013	465.00	0.24	11.00	9.90	0.2	0.2
L32	100yr_24hr		Natural	0.0	1.0	0.013	465.00	0.24	11.00	9.90	0.2	0.2
L30	1yr_24hr		Circular	1.5	1.0	0.013	115.78	0.02	9.30	9.28	0.2	0.2

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L30	10yr_24hr		Circular	1.5	1.0	0.013	115.78	0.02	9.30	9.28	0.2	0.2
L30	25yr_24hr		Circular	1.5	1.0	0.013	115.78	0.02	9.30	9.28	0.2	0.2
L30	50yr_24hr		Circular	1.5	1.0	0.013	115.78	0.02	9.30	9.28	0.2	0.2
L30	100yr_24hr		Circular	1.5	1.0	0.013	115.78	0.02	9.30	9.28	0.2	0.2
L29	1yr_24hr		Natural	0.0	1.0	0.013	120.00	0.07	9.28	9.20	0.2	0.2
L29	10yr_24hr		Natural	0.0	1.0	0.013	120.00	0.07	9.28	9.20	0.2	0.2
L29	25yr_24hr		Natural	0.0	1.0	0.013	120.00	0.07	9.28	9.20	0.2	0.2
L29	50yr_24hr		Natural	0.0	1.0	0.013	120.00	0.07	9.28	9.20	0.2	0.2
L29	100yr_24hr		Natural	0.0	1.0	0.013	120.00	0.07	9.28	9.20	0.2	0.2
L28	1yr_24hr		Circular	1.5	1.0	0.013	114.00	0.03	9.20	9.17	0.2	0.2
L28	10yr_24hr		Circular	1.5	1.0	0.013	114.00	0.03	9.20	9.17	0.2	0.2
L28	25yr_24hr		Circular	1.5	1.0	0.013	114.00	0.03	9.20	9.17	0.2	0.2
L28	50yr_24hr		Circular	1.5	1.0	0.013	114.00	0.03	9.20	9.17	0.2	0.2
L28	100yr_24hr		Circular	1.5	1.0	0.013	114.00	0.03	9.20	9.17	0.2	0.2
L27	1yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.17	9.07	0.2	0.2
L27	10yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.17	9.07	0.2	0.2
L27	25yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.17	9.07	0.2	0.2
L27	50yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.17	9.07	0.2	0.2
L27	100yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.17	9.07	0.2	0.2
L25	1yr_24hr		Natural	0.0	1.0	0.013	570.00	0.40	8.98	6.70	0.2	0.2
L25	10yr_24hr		Natural	0.0	1.0	0.013	570.00	0.40	8.98	6.70	0.2	0.2
L25	25yr_24hr		Natural	0.0	1.0	0.013	570.00	0.40	8.98	6.70	0.2	0.2
L25	50yr_24hr		Natural	0.0	1.0	0.013	570.00	0.40	8.98	6.70	0.2	0.2
L25	100yr_24hr		Natural	0.0	1.0	0.013	570.00	0.40	8.98	6.70	0.2	0.2
L38_Pipe	1yr_24hr		Circular	1.5	2.0	0.013	110.00	0.41	17.23	16.78	0.2	0.2
L38_Pipe	10yr_24hr											
L38_Pipe	25yr_24hr											
L38_Pipe	50yr_24hr											
L38_Pipe	100yr_24hr											
Hwy 80 ML	1yr_24hr	☒										
Hwy 80 ML	10yr_24hr											
Hwy 80 ML	25yr_24hr											
Hwy 80 ML	50yr_24hr											
Hwy 80 ML	100yr_24hr											

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L37	1yr_24hr		Natural	0.0	1.0	0.013	49.62	0.36	16.78	16.60	0.2	0.2
L37	10yr_24hr		Natural	0.0	1.0	0.013	49.62	0.36	16.78	16.60	0.2	0.2
L37	25yr_24hr		Natural	0.0	1.0	0.013	49.62	0.36	16.78	16.60	0.2	0.2
L37	50yr_24hr		Natural	0.0	1.0	0.013	49.62	0.36	16.78	16.60	0.2	0.2
L37	100yr_24hr		Natural	0.0	1.0	0.013	49.62	0.36	16.78	16.60	0.2	0.2
L35	1yr_24hr		Natural	0.0	1.0	0.013	430.00	0.70	14.00	11.00	0.2	0.2
L35	10yr_24hr		Natural	0.0	1.0	0.013	430.00	0.70	14.00	11.00	0.2	0.2
L35	25yr_24hr		Natural	0.0	1.0	0.013	430.00	0.70	14.00	11.00	0.2	0.2
L35	50yr_24hr		Natural	0.0	1.0	0.013	430.00	0.70	14.00	11.00	0.2	0.2
L35	100yr_24hr		Natural	0.0	1.0	0.013	430.00	0.70	14.00	11.00	0.2	0.2
L07_Pipe	1yr_24hr		Circular	2.0	1.0	0.013	134.68	0.87	17.77	16.60	0.2	0.2
L07_Pipe	10yr_24hr											
L07_Pipe	25yr_24hr											
L07_Pipe	50yr_24hr											
L07_Pipe	100yr_24hr											
Hwy 80 R	1yr_24hr	☒										
Hwy 80 R	10yr_24hr											
Hwy 80 R	25yr_24hr											
Hwy 80 R	50yr_24hr											
Hwy 80 R	100yr_24hr											
L06	1yr_24hr		Circular	2.0	1.0	0.013	411.76	0.59	16.60	14.17	0.2	0.2
L06	10yr_24hr		Circular	2.0	1.0	0.013	411.76	0.59	16.60	14.17	0.2	0.2
L06	25yr_24hr		Circular	2.0	1.0	0.013	411.76	0.59	16.60	14.17	0.2	0.2
L06	50yr_24hr		Circular	2.0	1.0	0.013	411.76	0.59	16.60	14.17	0.2	0.2
L06	100yr_24hr		Circular	2.0	1.0	0.013	411.76	0.59	16.60	14.17	0.2	0.2
L05	1yr_24hr		Circular	2.5	1.0	0.013	134.62	0.59	14.17	13.38	0.2	0.2
L05	10yr_24hr		Circular	2.5	1.0	0.013	134.62	0.59	14.17	13.38	0.2	0.2
L05	25yr_24hr		Circular	2.5	1.0	0.013	134.62	0.59	14.17	13.38	0.2	0.2
L05	50yr_24hr		Circular	2.5	1.0	0.013	134.62	0.59	14.17	13.38	0.2	0.2
L05	100yr_24hr		Circular	2.5	1.0	0.013	134.62	0.59	14.17	13.38	0.2	0.2
L04	1yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	13.38	9.96	0.2	0.2
L04	10yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	13.38	9.96	0.2	0.2
L04	25yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	13.38	9.96	0.2	0.2
L04	50yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	13.38	9.96	0.2	0.2

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L04	100yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	13.38	9.96	0.2	0.2
L02	1yr_24hr		Natural	0.0	1.0	0.013	350.00	-0.01	4.71	4.75	0.2	0.2
L02	10yr_24hr		Natural	0.0	1.0	0.013	350.00	-0.01	4.71	4.75	0.2	0.2
L02	25yr_24hr		Natural	0.0	1.0	0.013	350.00	-0.01	4.71	4.75	0.2	0.2
L02	50yr_24hr		Natural	0.0	1.0	0.013	350.00	-0.01	4.71	4.75	0.2	0.2
L02	100yr_24hr		Natural	0.0	1.0	0.013	350.00	-0.01	4.71	4.75	0.2	0.2
L52_Pipe	1yr_24hr		Circular	2.0	1.0	0.013	119.14	0.58	8.07	8.00	0.2	0.2
L52_Pipe	10yr_24hr											
L52_Pipe	25yr_24hr											
L52_Pipe	50yr_24hr											
L52_Pipe	100yr_24hr											
Ch Pkwy M	1yr_24hr	☒										
Ch Pkwy M	10yr_24hr											
Ch Pkwy M	25yr_24hr											
Ch Pkwy M	50yr_24hr											
Ch Pkwy M	100yr_24hr											
L51	1yr_24hr		Natural	0.0	1.0	0.013	25.00	0.84	8.00	6.67	0.2	0.2
L51	10yr_24hr		Natural	0.0	1.0	0.013	25.00	0.84	8.00	6.67	0.2	0.2
L51	25yr_24hr		Natural	0.0	1.0	0.013	25.00	0.84	8.00	6.67	0.2	0.2
L51	50yr_24hr		Natural	0.0	1.0	0.013	25.00	0.84	8.00	6.67	0.2	0.2
L51	100yr_24hr		Natural	0.0	1.0	0.013	25.00	0.84	8.00	6.67	0.2	0.2
L50	1yr_24hr		Circular	1.5	1.0	0.013	42.50	2.31	6.67	5.69	0.2	0.2
L50	10yr_24hr		Circular	1.5	1.0	0.013	42.50	2.31	6.67	5.69	0.2	0.2
L50	25yr_24hr		Circular	1.5	1.0	0.013	42.50	2.31	6.67	5.69	0.2	0.2
L50	50yr_24hr		Circular	1.5	1.0	0.013	42.50	2.31	6.67	5.69	0.2	0.2
L50	100yr_24hr		Circular	1.5	1.0	0.013	42.50	2.31	6.67	5.69	0.2	0.2
L49	1yr_24hr		Natural	0.0	1.0	0.013	30.00	-0.73	5.69	5.91	0.2	0.2
L49	10yr_24hr		Natural	0.0	1.0	0.013	30.00	-0.73	5.69	5.91	0.2	0.2
L49	25yr_24hr		Natural	0.0	1.0	0.013	30.00	-0.73	5.69	5.91	0.2	0.2
L49	50yr_24hr		Natural	0.0	1.0	0.013	30.00	-0.73	5.69	5.91	0.2	0.2
L49	100yr_24hr		Natural	0.0	1.0	0.013	30.00	-0.73	5.69	5.91	0.2	0.2
L36	1yr_24hr		Circular	3.0	1.0	0.013	511.00	0.51	16.60	14.00	0.2	0.2
L36	10yr_24hr		Circular	3.0	1.0	0.013	511.00	0.51	16.60	14.00	0.2	0.2
L36	25yr_24hr		Circular	3.0	1.0	0.013	511.00	0.51	16.60	14.00	0.2	0.2

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L36	50yr_24hr		Circular	3.0	1.0	0.013	511.00	0.51	16.60	14.00	0.2	0.2
L36	100yr_24hr		Circular	3.0	1.0	0.013	511.00	0.51	16.60	14.00	0.2	0.2
L23	1yr_24hr		Circular	2.5	1.0	0.024	14.50	0.55	5.20	5.12	0.2	0.2
L23	10yr_24hr		Circular	2.5	1.0	0.024	14.50	0.55	5.20	5.12	0.2	0.2
L23	25yr_24hr		Circular	2.5	1.0	0.024	14.50	0.55	5.20	5.12	0.2	0.2
L23	50yr_24hr		Circular	2.5	1.0	0.024	14.50	0.55	5.20	5.12	0.2	0.2
L23	100yr_24hr		Circular	2.5	1.0	0.024	14.50	0.55	5.20	5.12	0.2	0.2
L22	1yr_24hr		Natural	0.0	1.0	0.013	15.84	0.13	5.12	5.10	0.2	0.2
L22	10yr_24hr		Natural	0.0	1.0	0.013	15.84	0.13	5.12	5.10	0.2	0.2
L22	25yr_24hr		Natural	0.0	1.0	0.013	15.84	0.13	5.12	5.10	0.2	0.2
L22	50yr_24hr		Natural	0.0	1.0	0.013	15.84	0.13	5.12	5.10	0.2	0.2
L22	100yr_24hr		Natural	0.0	1.0	0.013	15.84	0.13	5.12	5.10	0.2	0.2
L24	1yr_24hr		Natural	0.0	1.0	0.013	256.00	0.59	6.70	5.20	0.2	0.2
L24	10yr_24hr		Natural	0.0	1.0	0.013	256.00	0.59	6.70	5.20	0.2	0.2
L24	25yr_24hr		Natural	0.0	1.0	0.013	256.00	0.59	6.70	5.20	0.2	0.2
L24	50yr_24hr		Natural	0.0	1.0	0.013	256.00	0.59	6.70	5.20	0.2	0.2
L24	100yr_24hr		Natural	0.0	1.0	0.013	256.00	0.59	6.70	5.20	0.2	0.2
L39	1yr_24hr		Natural	0.0	1.0	0.013	274.00	0.02	5.80	5.20	0.2	0.2
L39	10yr_24hr		Natural	0.0	1.0	0.013	274.00	0.02	5.80	5.20	0.2	0.2
L39	25yr_24hr		Natural	0.0	1.0	0.013	274.00	0.02	5.80	5.20	0.2	0.2
L39	50yr_24hr		Natural	0.0	1.0	0.013	274.00	0.02	5.80	5.20	0.2	0.2
L39	100yr_24hr		Natural	0.0	1.0	0.013	274.00	0.02	5.80	5.20	0.2	0.2
L09	1yr_24hr		Natural	0.0	1.0	0.013	647.00	-0.05	4.55	4.90	0.2	0.2
L09	10yr_24hr		Natural	0.0	1.0	0.013	647.00	-0.05	4.55	4.90	0.2	0.2
L09	25yr_24hr		Natural	0.0	1.0	0.013	647.00	-0.05	4.55	4.90	0.2	0.2
L09	50yr_24hr		Natural	0.0	1.0	0.013	647.00	-0.05	4.55	4.90	0.2	0.2
L09	100yr_24hr		Natural	0.0	1.0	0.013	647.00	-0.05	4.55	4.90	0.2	0.2
L03	1yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	9.96	6.54	0.2	0.2
L03	10yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	9.96	6.54	0.2	0.2
L03	25yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	9.96	6.54	0.2	0.2
L03	50yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	9.96	6.54	0.2	0.2
L03	100yr_24hr		Natural	0.0	1.0	0.013	627.70	0.54	9.96	6.54	0.2	0.2
L12	1yr_24hr		Natural	0.0	1.0	0.013	559.00	0.11	5.05	4.45	0.2	0.2
L12	10yr_24hr		Natural	0.0	1.0	0.013	559.00	0.11	5.05	4.45	0.2	0.2

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L12	25yr_24hr		Natural	0.0	1.0	0.013	559.00	0.11	5.05	4.45	0.2	0.2
L12	50yr_24hr		Natural	0.0	1.0	0.013	559.00	0.11	5.05	4.45	0.2	0.2
L12	100yr_24hr		Natural	0.0	1.0	0.013	559.00	0.11	5.05	4.45	0.2	0.2
L45	1yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	5.94	5.73	0.2	0.2
L45	10yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	5.94	5.73	0.2	0.2
L45	25yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	5.94	5.73	0.2	0.2
L45	50yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	5.94	5.73	0.2	0.2
L45	100yr_24hr		Natural	0.0	1.0	0.013	600.00	0.03	5.94	5.73	0.2	0.2
L26	1yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.07	8.98	0.2	0.2
L26	10yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.07	8.98	0.2	0.2
L26	25yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.07	8.98	0.2	0.2
L26	50yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.07	8.98	0.2	0.2
L26	100yr_24hr		Natural	0.0	1.0	0.013	530.00	0.02	9.07	8.98	0.2	0.2
L31	1yr_24hr		Natural	0.0	1.0	0.013	465.00	0.13	9.90	9.30	0.2	0.2
L31	10yr_24hr		Natural	0.0	1.0	0.013	465.00	0.13	9.90	9.30	0.2	0.2
L31	25yr_24hr		Natural	0.0	1.0	0.013	465.00	0.13	9.90	9.30	0.2	0.2
L31	50yr_24hr		Natural	0.0	1.0	0.013	465.00	0.13	9.90	9.30	0.2	0.2
L31	100yr_24hr		Natural	0.0	1.0	0.013	465.00	0.13	9.90	9.30	0.2	0.2
L34_Pipe	1yr_24hr		Circular	5.0	1.0	0.013	147.78	0.41	11.74	11.14	0.2	0.2
L34_Pipe	10yr_24hr											
L34_Pipe	25yr_24hr											
L34_Pipe	50yr_24hr											
L34_Pipe	100yr_24hr											
Hwy 80 L	1yr_24hr	☒										
Hwy 80 L	10yr_24hr											
Hwy 80 L	25yr_24hr											
Hwy 80 L	50yr_24hr											
Hwy 80 L	100yr_24hr											
L33	1yr_24hr		Natural	0.0	1.0	0.013	143.43	0.10	11.14	11.00	0.2	0.2
L33	10yr_24hr		Natural	0.0	1.0	0.013	143.43	0.10	11.14	11.00	0.2	0.2
L33	25yr_24hr		Natural	0.0	1.0	0.013	143.43	0.10	11.14	11.00	0.2	0.2
L33	50yr_24hr		Natural	0.0	1.0	0.013	143.43	0.10	11.14	11.00	0.2	0.2
L33	100yr_24hr		Natural	0.0	1.0	0.013	143.43	0.10	11.14	11.00	0.2	0.2
L21_Pipe	1yr_24hr		Circular	2.0	1.0	0.013	120.00	3.11	19.08	15.35	0.2	0.2

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
L21_Pipe	10yr_24hr											
L21_Pipe	25yr_24hr											
L21_Pipe	50yr_24hr											
L21_Pipe	100yr_24hr											
HWY 80 MR	1yr_24hr	☒										
HWY 80 MR	10yr_24hr											
HWY 80 MR	25yr_24hr											
HWY 80 MR	50yr_24hr											
HWY 80 MR	100yr_24hr											
L20	1yr_24hr		Natural	0.0	1.0	0.013	283.95	0.95	15.35	12.65	0.2	0.2
L20	10yr_24hr		Natural	0.0	1.0	0.013	283.95	0.95	15.35	12.65	0.2	0.2
L20	25yr_24hr		Natural	0.0	1.0	0.013	283.95	0.95	15.35	12.65	0.2	0.2
L20	50yr_24hr		Natural	0.0	1.0	0.013	283.95	0.95	15.35	12.65	0.2	0.2
L20	100yr_24hr		Natural	0.0	1.0	0.013	283.95	0.95	15.35	12.65	0.2	0.2
L18_Pipe	1yr_24hr		Circular	2.0	1.0	0.013	81.19	0.99	9.80	9.40	0.2	0.2
L18_Pipe	10yr_24hr											
L18_Pipe	25yr_24hr											
L18_Pipe	50yr_24hr											
L18_Pipe	100yr_24hr											
Hoss Rd	1yr_24hr	☒										
Hoss Rd	10yr_24hr											
Hoss Rd	25yr_24hr											
Hoss Rd	50yr_24hr											
Hoss Rd	100yr_24hr											
L17	1yr_24hr		Natural	0.0	1.0	0.013	56.63	0.35	9.40	9.30	0.2	0.2
L17	10yr_24hr		Natural	0.0	1.0	0.013	56.63	0.35	9.40	9.30	0.2	0.2
L17	25yr_24hr		Natural	0.0	1.0	0.013	56.63	0.35	9.40	9.30	0.2	0.2
L17	50yr_24hr		Natural	0.0	1.0	0.013	56.63	0.35	9.40	9.30	0.2	0.2
L17	100yr_24hr		Natural	0.0	1.0	0.013	56.63	0.35	9.40	9.30	0.2	0.2
L16_Pipe	1yr_24hr		Circular	1.5	1.0	0.013	132.10	1.00	9.30	8.00	0.2	0.2
L16_Pipe	10yr_24hr											
L16_Pipe	25yr_24hr											
L16_Pipe	50yr_24hr											
L16_Pipe	100yr_24hr											

Existing Conditions Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert ft	DS Invert ft	Entrance Loss	Exit Loss
Heidt Rd	1yr_24hr	☒										
Heidt Rd	10yr_24hr											
Heidt Rd	25yr_24hr											
Heidt Rd	50yr_24hr											
Heidt Rd	100yr_24hr											
L15	1yr_24hr		Natural	0.0	1.0	0.013	310.68	0.11	8.00	6.14	0.2	0.2
L15	10yr_24hr		Natural	0.0	1.0	0.013	310.68	0.11	8.00	6.14	0.2	0.2
L15	25yr_24hr		Natural	0.0	1.0	0.013	310.68	0.11	8.00	6.14	0.2	0.2
L15	50yr_24hr		Natural	0.0	1.0	0.013	310.68	0.11	8.00	6.14	0.2	0.2
L15	100yr_24hr		Natural	0.0	1.0	0.013	310.68	0.11	8.00	6.14	0.2	0.2
L42	1yr_24hr		Natural	0.0	1.0	0.013	579.11	0.37	7.86	6.20	0.2	0.2
L42	10yr_24hr		Natural	0.0	1.0	0.013	579.11	0.37	7.86	6.20	0.2	0.2
L42	25yr_24hr		Natural	0.0	1.0	0.013	579.11	0.37	7.86	6.20	0.2	0.2
L42	50yr_24hr		Natural	0.0	1.0	0.013	579.11	0.37	7.86	6.20	0.2	0.2
L42	100yr_24hr		Natural	0.0	1.0	0.013	579.11	0.37	7.86	6.20	0.2	0.2
L19	1yr_24hr		Natural	0.0	1.0	0.013	300.00	1.28	12.65	9.80	0.2	0.2
L19	10yr_24hr		Natural	0.0	1.0	0.013	300.00	1.28	12.65	9.80	0.2	0.2
L19	25yr_24hr		Natural	0.0	1.0	0.013	300.00	1.28	12.65	9.80	0.2	0.2
L19	50yr_24hr		Natural	0.0	1.0	0.013	300.00	1.28	12.65	9.80	0.2	0.2
L19	100yr_24hr		Natural	0.0	1.0	0.013	300.00	1.28	12.65	9.80	0.2	0.2
L14	1yr_24hr		Natural	0.0	1.0	0.013	175.00	0.59	6.14	5.10	0.2	0.2
L14	10yr_24hr		Natural	0.0	1.0	0.013	175.00	0.59	6.14	5.10	0.2	0.2
L14	25yr_24hr		Natural	0.0	1.0	0.013	175.00	0.59	6.14	5.10	0.2	0.2
L14	50yr_24hr		Natural	0.0	1.0	0.013	175.00	0.59	6.14	5.10	0.2	0.2
L14	100yr_24hr		Natural	0.0	1.0	0.013	175.00	0.59	6.14	5.10	0.2	0.2

Node Input

Name	Storm	Subcatchment	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
Basin 9	1yr_24hr	1	Allowed	4.75	15.40		
Basin 9	10yr_24hr	1	Allowed	4.75	15.40		
Basin 9	25yr_24hr	1	Allowed	4.75	15.40		
Basin 9	50yr_24hr	1	Allowed	4.75	15.40		
Basin 9	100yr_24hr	1	Allowed	4.75	15.40		
N06	1yr_24hr		Allowed	4.90	15.50		
N06	10yr_24hr		Allowed	4.90	15.50		
N06	25yr_24hr		Allowed	4.90	15.50		
N06	50yr_24hr		Allowed	4.90	15.50		
N06	100yr_24hr		Allowed	4.90	15.50		
N08	1yr_24hr		Allowed	4.50	11.00		
N08	10yr_24hr		Allowed	4.50	11.00		
N08	25yr_24hr		Allowed	4.50	11.00		
N08	50yr_24hr		Allowed	4.50	11.00		
N08	100yr_24hr		Allowed	4.50	11.00		
Basin7&8	1yr_24hr	1	Allowed	4.45	10.92		
Basin7&8		2					
Basin7&8	10yr_24hr	1	Allowed	4.45	10.92		
Basin7&8		2					
Basin7&8	25yr_24hr	1	Allowed	4.45	10.92		
Basin7&8		2					
Basin7&8	50yr_24hr	1	Allowed	4.45	10.92		
Basin7&8		2					
Basin7&8	100yr_24hr	1	Allowed	4.45	10.92		
Basin7&8		2					
N10	1yr_24hr		Allowed	5.10	10.00		
N10	10yr_24hr		Allowed	5.10	10.00		
N10	25yr_24hr		Allowed	5.10	10.00		
N10	50yr_24hr		Allowed	5.10	10.00		
N10	100yr_24hr		Allowed	5.10	10.00		
N39	1yr_24hr		Allowed	6.14	11.06		
N39	10yr_24hr		Allowed	6.14	11.06		
N39	25yr_24hr		Allowed	6.14	11.06		
N39	50yr_24hr		Allowed	6.14	11.06		
N39	100yr_24hr		Allowed	6.14	11.06		
Basin 5	1yr_24hr	1	Allowed	8.12	12.40		
Basin 5	10yr_24hr	1	Allowed	8.12	12.40		
Basin 5	25yr_24hr	1	Allowed	8.12	12.40		
Basin 5	50yr_24hr	1	Allowed	8.12	12.40		
Basin 5	100yr_24hr	1	Allowed	8.12	12.40		
N40	1yr_24hr		Allowed	5.91	10.83		
N40	10yr_24hr		Allowed	5.91	10.83		
N40	25yr_24hr		Allowed	5.91	10.83		
N40	50yr_24hr		Allowed	5.91	10.83		
N40	100yr_24hr		Allowed	5.91	10.83		
Basin 3	1yr_24hr	1	Allowed	6.07	10.55		
Basin 3	10yr_24hr	1	Allowed	6.07	10.55		
Basin 3	25yr_24hr	1	Allowed	6.07	10.55		
Basin 3	50yr_24hr	1	Allowed	6.07	10.55		
Basin 3	100yr_24hr	1	Allowed	6.07	10.55		
N44	1yr_24hr		Allowed	6.12	12.00		

Node Input

Name	Storm	Subcatchment	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
N44	10yr_24hr		Allowed	6.12	12.00		
N44	25yr_24hr		Allowed	6.12	12.00		
N44	50yr_24hr		Allowed	6.12	12.00		
N44	100yr_24hr		Allowed	6.12	12.00		
Basin 1	1yr_24hr	1	Allowed	6.16	13.00		
Basin 1	10yr_24hr	1	Allowed	6.16	13.00		
Basin 1	25yr_24hr	1	Allowed	6.16	13.00		
Basin 1	50yr_24hr	1	Allowed	6.16	13.00		
Basin 1	100yr_24hr	1	Allowed	6.16	13.00		
N45	1yr_24hr		Allowed	6.98	13.35		
N45	10yr_24hr		Allowed	6.98	13.35		
N45	25yr_24hr		Allowed	6.98	13.35		
N45	50yr_24hr		Allowed	6.98	13.35		
N45	100yr_24hr		Allowed	6.98	13.35		
N46	1yr_24hr		Allowed	10.33	16.70		
N46	10yr_24hr		Allowed	10.33	16.70		
N46	25yr_24hr		Allowed	10.33	16.70		
N46	50yr_24hr		Allowed	10.33	16.70		
N46	100yr_24hr		Allowed	10.33	16.70		
Basin 2	1yr_24hr	1	Allowed	10.85	14.00		
Basin 2	10yr_24hr	1	Allowed	10.85	14.00		
Basin 2	25yr_24hr	1	Allowed	10.85	14.00		
Basin 2	50yr_24hr	1	Allowed	10.85	14.00		
Basin 2	100yr_24hr	1	Allowed	10.85	14.00		
N35	1yr_24hr	1	Allowed	6.20	15.28		
N35	10yr_24hr	1	Allowed	6.20	15.28		
N35	25yr_24hr	1	Allowed	6.20	15.28		
N35	50yr_24hr	1	Allowed	6.20	15.28		
N35	100yr_24hr	1	Allowed	6.20	15.28		
N34	1yr_24hr		Allowed	6.00	12.50		
N34	10yr_24hr		Allowed	6.00	12.50		
N34	25yr_24hr		Allowed	6.00	12.50		
N34	50yr_24hr		Allowed	6.00	12.50		
N34	100yr_24hr		Allowed	6.00	12.50		
N36	1yr_24hr		Allowed	5.24	10.00		
N36	10yr_24hr		Allowed	5.24	10.00		
N36	25yr_24hr		Allowed	5.24	10.00		
N36	50yr_24hr		Allowed	5.24	10.00		
N36	100yr_24hr		Allowed	5.24	10.00		
N37	1yr_24hr		Allowed	5.73	10.00		
N37	10yr_24hr		Allowed	5.73	10.00		
N37	25yr_24hr		Allowed	5.73	10.00		
N37	50yr_24hr		Allowed	5.73	10.00		
N37	100yr_24hr		Allowed	5.73	10.00		
N28	1yr_24hr		Allowed	11.00	16.60		X
N28	10yr_24hr		Allowed	11.00	16.60		X
N28	25yr_24hr		Allowed	11.00	16.60		X
N28	50yr_24hr		Allowed	11.00	16.60		X
N28	100yr_24hr		Allowed	11.00	16.60		X
N26	1yr_24hr		Allowed	9.30	14.10		
N26	10yr_24hr		Allowed	9.30	14.10		

Node Input

Name	Storm	Subcatchment	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
N26	25yr_24hr		Allowed	9.30	14.10		
N26	50yr_24hr		Allowed	9.30	14.10		
N26	100yr_24hr		Allowed	9.30	14.10		
N25	1yr_24hr		Allowed	9.28	14.00		
N25	10yr_24hr		Allowed	9.28	14.00		
N25	25yr_24hr		Allowed	9.28	14.00		
N25	50yr_24hr		Allowed	9.28	14.00		
N25	100yr_24hr		Allowed	9.28	14.00		
N24	1yr_24hr		Allowed	9.20	13.60		
N24	10yr_24hr		Allowed	9.20	13.60		
N24	25yr_24hr		Allowed	9.20	13.60		
N24	50yr_24hr		Allowed	9.20	13.60		
N24	100yr_24hr		Allowed	9.20	13.60		
N23	1yr_24hr		Allowed	9.17	13.20		
N23	10yr_24hr		Allowed	9.17	13.20		
N23	25yr_24hr		Allowed	9.17	13.20		
N23	50yr_24hr		Allowed	9.17	13.20		
N23	100yr_24hr		Allowed	9.17	13.20		
N21	1yr_24hr		Allowed	8.98	11.85		
N21	10yr_24hr		Allowed	8.98	11.85		
N21	25yr_24hr		Allowed	8.98	11.85		
N21	50yr_24hr		Allowed	8.98	11.85		
N21	100yr_24hr		Allowed	8.98	11.85		
Basin 11	1yr_24hr	1	Allowed	17.23	20.80		
Basin 11	10yr_24hr	1	Allowed	17.23	20.80		
Basin 11	25yr_24hr	1	Allowed	17.23	20.80		
Basin 11	50yr_24hr	1	Allowed	17.23	20.80		
Basin 11	100yr_24hr	1	Allowed	17.23	20.80		
N32	1yr_24hr		Allowed	16.78	23.02		
N32	10yr_24hr		Allowed	16.78	23.02		
N32	25yr_24hr		Allowed	16.78	23.02		
N32	50yr_24hr		Allowed	16.78	23.02		
N32	100yr_24hr		Allowed	16.78	23.02		
N30	1yr_24hr		Allowed	14.00	19.00		
N30	10yr_24hr		Allowed	14.00	19.00		
N30	25yr_24hr		Allowed	14.00	19.00		
N30	50yr_24hr		Allowed	14.00	19.00		
N30	100yr_24hr		Allowed	14.00	19.00		
Basin 10	1yr_24hr	1	Allowed	17.77	21.50		
Basin 10	10yr_24hr	1	Allowed	17.77	21.50		
Basin 10	25yr_24hr	1	Allowed	17.77	21.50		
Basin 10	50yr_24hr	1	Allowed	17.77	21.50		
Basin 10	100yr_24hr	1	Allowed	17.77	21.50		
N05	1yr_24hr		Allowed	16.60	20.95		
N05	10yr_24hr		Allowed	16.60	20.95		
N05	25yr_24hr		Allowed	16.60	20.95		
N05	50yr_24hr		Allowed	16.60	20.95		
N05	100yr_24hr		Allowed	16.60	20.95		
N04	1yr_24hr		Allowed	14.17	18.58		
N04	10yr_24hr		Allowed	14.17	18.58		
N04	25yr_24hr		Allowed	14.17	18.58		

Node Input

Name	Storm	Subcatchment	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
N04	50yr_24hr		Allowed	14.17	18.58		
N04	100yr_24hr		Allowed	14.17	18.58		
N03	1yr_24hr		Allowed	13.38	22.00		
N03	10yr_24hr		Allowed	13.38	22.00		
N03	25yr_24hr		Allowed	13.38	22.00		
N03	50yr_24hr		Allowed	13.38	22.00		
N03	100yr_24hr		Allowed	13.38	22.00		
N01	1yr_24hr		Allowed	4.71	15.50		
N01	10yr_24hr		Allowed	4.71	15.50		
N01	25yr_24hr		Allowed	4.71	15.50		
N01	50yr_24hr		Allowed	4.71	15.50		
N01	100yr_24hr		Allowed	4.71	15.50		
Outfall	1yr_24hr	1	Allowed	4.13	8.50		
Outfall	10yr_24hr	1	Allowed	4.13	8.50		
Outfall	25yr_24hr	1	Allowed	4.13	8.50		
Outfall	50yr_24hr	1	Allowed	4.13	8.50		
Outfall	100yr_24hr	1	Allowed	4.13	8.50		
Basin 4	1yr_24hr	1	Allowed	8.07	11.00		
Basin 4	10yr_24hr	1	Allowed	8.07	11.00		
Basin 4	25yr_24hr	1	Allowed	8.07	11.00		
Basin 4	50yr_24hr	1	Allowed	8.07	11.00		
Basin 4	100yr_24hr	1	Allowed	8.07	11.00		
N43	1yr_24hr		Allowed	8.00	10.17		
N43	10yr_24hr		Allowed	8.00	10.17		
N43	25yr_24hr		Allowed	8.00	10.17		
N43	50yr_24hr		Allowed	8.00	10.17		
N43	100yr_24hr		Allowed	8.00	10.17		
N42	1yr_24hr		Allowed	6.67	9.70		
N42	10yr_24hr		Allowed	6.67	9.70		
N42	25yr_24hr		Allowed	6.67	9.70		
N42	50yr_24hr		Allowed	6.67	9.70		
N42	100yr_24hr		Allowed	6.67	9.70		
N41	1yr_24hr		Allowed	5.69	9.60		
N41	10yr_24hr		Allowed	5.69	9.60		
N41	25yr_24hr		Allowed	5.69	9.60		
N41	50yr_24hr		Allowed	5.69	9.60		
N41	100yr_24hr		Allowed	5.69	9.60		
N31	1yr_24hr		Allowed	16.60	22.84		
N31	10yr_24hr		Allowed	16.60	22.84		
N31	25yr_24hr		Allowed	16.60	22.84		
N31	50yr_24hr		Allowed	16.60	22.84		
N31	100yr_24hr		Allowed	16.60	22.84		
N19	1yr_24hr		Allowed	5.20	10.00		
N19	10yr_24hr		Allowed	5.20	10.00		
N19	25yr_24hr		Allowed	5.20	10.00		
N19	50yr_24hr		Allowed	5.20	10.00		
N19	100yr_24hr		Allowed	5.20	10.00		
N18	1yr_24hr		Allowed	5.12	10.00		
N18	10yr_24hr		Allowed	5.12	10.00		
N18	25yr_24hr		Allowed	5.12	10.00		
N18	50yr_24hr		Allowed	5.12	10.00		

Node Input

Name	Storm	Subcatchment	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
N18	100yr_24hr		Allowed	5.12	10.00		
N20	1yr_24hr		Allowed	6.70	10.00		
N20	10yr_24hr		Allowed	6.70	10.00		
N20	25yr_24hr		Allowed	6.70	10.00		
N20	50yr_24hr		Allowed	6.70	10.00		
N20	100yr_24hr		Allowed	6.70	10.00		
N33	1yr_24hr		Allowed	5.80	12.30		
N33	10yr_24hr		Allowed	5.80	12.30		
N33	25yr_24hr		Allowed	5.80	12.30		
N33	50yr_24hr		Allowed	5.80	12.30		
N33	100yr_24hr		Allowed	5.80	12.30		
N07	1yr_24hr		Allowed	4.55	13.25		X
N07	10yr_24hr		Allowed	4.55	13.25		X
N07	25yr_24hr		Allowed	4.55	13.25		X
N07	50yr_24hr		Allowed	4.55	13.25		X
N07	100yr_24hr		Allowed	4.55	13.25		X
N02	1yr_24hr		Allowed	9.96	18.60		
N02	10yr_24hr		Allowed	9.96	18.60		
N02	25yr_24hr		Allowed	9.96	18.60		
N02	50yr_24hr		Allowed	9.96	18.60		
N02	100yr_24hr		Allowed	9.96	18.60		
N09	1yr_24hr		Allowed	5.05	9.65		X
N09	10yr_24hr		Allowed	5.05	9.65		X
N09	25yr_24hr		Allowed	5.05	9.65		X
N09	50yr_24hr		Allowed	5.05	9.65		X
N09	100yr_24hr		Allowed	5.05	9.65		X
N38	1yr_24hr		Allowed	5.94	11.00		
N38	10yr_24hr		Allowed	5.94	11.00		
N38	25yr_24hr		Allowed	5.94	11.00		
N38	50yr_24hr		Allowed	5.94	11.00		
N38	100yr_24hr		Allowed	5.94	11.00		
N22	1yr_24hr		Allowed	9.07	13.10		X
N22	10yr_24hr		Allowed	9.07	13.10		X
N22	25yr_24hr		Allowed	9.07	13.10		X
N22	50yr_24hr		Allowed	9.07	13.10		X
N22	100yr_24hr		Allowed	9.07	13.10		X
N27	1yr_24hr		Allowed	9.90	15.35		
N27	10yr_24hr		Allowed	9.90	15.35		
N27	25yr_24hr		Allowed	9.90	15.35		
N27	50yr_24hr		Allowed	9.90	15.35		
N27	100yr_24hr		Allowed	9.90	15.35		
Basin 12	1yr_24hr	1	Allowed	11.74	18.00		
Basin 12	10yr_24hr	1	Allowed	11.74	18.00		
Basin 12	25yr_24hr	1	Allowed	11.74	18.00		
Basin 12	50yr_24hr	1	Allowed	11.74	18.00		
Basin 12	100yr_24hr	1	Allowed	11.74	18.00		
N29	1yr_24hr		Allowed	11.14	18.00		
N29	10yr_24hr		Allowed	11.14	18.00		
N29	25yr_24hr		Allowed	11.14	18.00		
N29	50yr_24hr		Allowed	11.14	18.00		
N29	100yr_24hr		Allowed	11.14	18.00		

Node Input

Name	Storm	Subcatchment	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
Basin 13	1yr_24hr	1	Allowed	19.08	21.65		
Basin 13	10yr_24hr	1	Allowed	19.08	21.65		
Basin 13	25yr_24hr	1	Allowed	19.08	21.65		
Basin 13	50yr_24hr	1	Allowed	19.08	21.65		
Basin 13	100yr_24hr	1	Allowed	19.08	21.65		
N17	1yr_24hr		Allowed	15.35	24.05		
N17	10yr_24hr		Allowed	15.35	24.05		
N17	25yr_24hr		Allowed	15.35	24.05		
N17	50yr_24hr		Allowed	15.35	24.05		
N17	100yr_24hr		Allowed	15.35	24.05		
N15	1yr_24hr		Allowed	9.80	14.00		
N15	10yr_24hr		Allowed	9.80	14.00		
N15	25yr_24hr		Allowed	9.80	14.00		
N15	50yr_24hr		Allowed	9.80	14.00		
N15	100yr_24hr		Allowed	9.80	14.00		
N14	1yr_24hr		Allowed	9.40	14.00		
N14	10yr_24hr		Allowed	9.40	14.00		
N14	25yr_24hr		Allowed	9.40	14.00		
N14	50yr_24hr		Allowed	9.40	14.00		
N14	100yr_24hr		Allowed	9.40	14.00		
N13	1yr_24hr		Allowed	9.30	13.60		
N13	10yr_24hr		Allowed	9.30	13.60		
N13	25yr_24hr		Allowed	9.30	13.60		
N13	50yr_24hr		Allowed	9.30	13.60		
N13	100yr_24hr		Allowed	9.30	13.60		
N12	1yr_24hr		Allowed	8.00	12.47		
N12	10yr_24hr		Allowed	8.00	12.47		
N12	25yr_24hr		Allowed	8.00	12.47		
N12	50yr_24hr		Allowed	8.00	12.47		
N12	100yr_24hr		Allowed	8.00	12.47		
Basin 6	1yr_24hr	1	Allowed	7.86	16.94		
Basin 6	10yr_24hr	1	Allowed	7.86	16.94		
Basin 6	25yr_24hr	1	Allowed	7.86	16.94		
Basin 6	50yr_24hr	1	Allowed	7.86	16.94		
Basin 6	100yr_24hr	1	Allowed	7.86	16.94		
N16	1yr_24hr		Allowed	12.65	19.16		
N16	10yr_24hr		Allowed	12.65	19.16		
N16	25yr_24hr		Allowed	12.65	19.16		
N16	50yr_24hr		Allowed	12.65	19.16		
N16	100yr_24hr		Allowed	12.65	19.16		
N11	1yr_24hr		Allowed	6.14	12.94		
N11	10yr_24hr		Allowed	6.14	12.94		
N11	25yr_24hr		Allowed	6.14	12.94		
N11	50yr_24hr		Allowed	6.14	12.94		
N11	100yr_24hr		Allowed	6.14	12.94		

Heidt Telfair Road Crossings

Name	Storm	Weir Flag	Weir Length ft	Top of Road ft	Max Flow over Road cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Ch Pkwy M	1yr_24hr	☒	100.000	12.070	0.000	10.229	9.767
Ch Pkwy M	10yr_24hr				0.125	12.076	11.101
Ch Pkwy M	25yr_24hr				10.528	12.177	11.448
Ch Pkwy M	50yr_24hr				16.896	12.217	11.723
Ch Pkwy M	100yr_24hr				22.790	12.249	11.955
Railroad	1yr_24hr	☒	200.000	18.990	0.000	8.191	7.283
Railroad	10yr_24hr				0.000	9.570	7.630
Railroad	25yr_24hr				0.000	10.004	7.630
Railroad	50yr_24hr				0.000	10.334	7.630
Railroad	100yr_24hr				0.000	10.647	7.630
Ch Pkwy T	1yr_24hr	☒	300.000	12.500	0.000	8.607	8.517
Ch Pkwy T	10yr_24hr				0.000	9.703	9.659
Ch Pkwy T	25yr_24hr				0.000	10.100	10.070
Ch Pkwy T	50yr_24hr				0.000	10.422	10.388
Ch Pkwy T	100yr_24hr				0.000	10.730	10.694
Ch Pkwy 2T	1yr_24hr	☒	330.000	13.120	0.000	9.118	8.918
Ch Pkwy 2T	10yr_24hr				0.000	10.776	9.826
Ch Pkwy 2T	25yr_24hr				0.000	11.550	10.159
Ch Pkwy 2T	50yr_24hr				0.000	12.222	10.442
Ch Pkwy 2T	100yr_24hr				0.000	12.617	10.743
Telfair R	1yr_24hr	☒	50.000	9.920	0.000	9.522	9.002
Telfair R	10yr_24hr				46.478	10.378	9.925
Telfair R	25yr_24hr				66.305	10.502	10.234
Telfair R	50yr_24hr				80.412	10.614	10.501
Telfair R	100yr_24hr				95.720	10.818	10.747
Ch Pkwy 2B	1yr_24hr	☒	200.000	12.870	0.000	9.542	9.535
Ch Pkwy 2B	10yr_24hr				0.000	10.440	10.400
Ch Pkwy 2B	25yr_24hr				0.000	10.584	10.529
Ch Pkwy 2B	50yr_24hr				0.000	10.710	10.643
Ch Pkwy 2B	100yr_24hr				0.000	10.883	10.835
Ch Pkwy B	1yr_24hr	☒	300.000	14.850	0.000	11.847	10.635
Ch Pkwy B	10yr_24hr				0.000	12.419	10.750
Ch Pkwy B	25yr_24hr				0.000	12.636	10.786
Ch Pkwy B	50yr_24hr				0.000	12.875	10.814

Heidt Telfair Road Crossings

Name	Storm	Weir Flag	Weir Length ft	Top of Road ft	Max Flow over Road cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Ch Pkwy B	100yr_24hr				0.000	13.068	11.041
Telfair L	1yr_24hr	☒	200.000	10.300	2.504	10.326	8.863
Telfair L	10yr_24hr				36.983	10.456	9.929
Telfair L	25yr_24hr				47.260	10.484	10.289
Telfair L	50yr_24hr				55.401	10.600	10.599
Telfair L	100yr_24hr				63.493	10.901	10.900
Hwy 80 ML	1yr_24hr	☒	200.000	22.000	0.000	18.104	17.677
Hwy 80 ML	10yr_24hr				0.000	18.799	18.086
Hwy 80 ML	25yr_24hr				0.000	19.184	18.220
Hwy 80 ML	50yr_24hr				0.000	19.603	18.322
Hwy 80 ML	100yr_24hr				0.000	19.992	18.421
Hwy 80 R	1yr_24hr	☒	300.000	22.420	0.000	19.019	17.951
Hwy 80 R	10yr_24hr				0.000	22.246	20.521
Hwy 80 R	25yr_24hr				10.912	22.473	21.216
Hwy 80 R	50yr_24hr				18.478	22.495	21.695
Hwy 80 R	100yr_24hr				25.701	22.513	22.117
Hwy 80 L	1yr_24hr	☒	200.000	22.640	0.000	14.802	14.346
Hwy 80 L	10yr_24hr				0.000	16.254	15.773
Hwy 80 L	25yr_24hr				0.000	16.895	16.263
Hwy 80 L	50yr_24hr				0.000	17.467	16.644
Hwy 80 L	100yr_24hr				0.000	18.385	17.009
HWY 80 MR	1yr_24hr	☒	200.000	23.730	0.000	20.673	16.368
HWY 80 MR	10yr_24hr				16.515	23.821	16.794
HWY 80 MR	25yr_24hr				32.329	23.873	16.970
HWY 80 MR	50yr_24hr				43.723	23.904	17.083
HWY 80 MR	100yr_24hr				54.998	23.933	17.187
Hoss Rd	1yr_24hr	☒	250.000	13.800	9.406	13.854	12.905
Hoss Rd	10yr_24hr				43.418	13.950	13.049
Hoss Rd	25yr_24hr				60.363	13.986	13.109
Hoss Rd	50yr_24hr				72.067	14.010	13.149
Hoss Rd	100yr_24hr				83.493	14.031	13.187
Heidt Rd	1yr_24hr	☒	150.000	12.800	14.164	12.900	9.408
Heidt Rd	10yr_24hr				49.324	13.029	10.212
Heidt Rd	25yr_24hr				66.504	13.080	10.456

Heidt Telfair Road Crossings

Name	Storm	Weir Flag	Weir Length ft	Top of Road ft	Max Flow over Road cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Heidt Rd	50yr_24hr				78.367	13.112	10.629
Heidt Rd	100yr_24hr				89.909	13.142	10.790

Heidt Telfair Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diameter ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
L01_Pipe	Proposed	1yr_24hr	☒	3.500	1.000	4.750	4.130
L01_Pipe	Proposed	10yr_24hr					
L01_Pipe	Proposed	25yr_24hr					
L01_Pipe	Proposed	50yr_24hr					
L01_Pipe	Proposed	100yr_24hr					
Railroad	Proposed	10yr_24hr					
Railroad	Proposed	25yr_24hr					
Railroad	Proposed	50yr_24hr					
Railroad	Proposed	100yr_24hr					
L11_Pipe1	Proposed	1yr_24hr	☒	5.000	1.000	5.000	4.960
L11_Pipe1	Proposed	10yr_24hr					
L11_Pipe1	Proposed	25yr_24hr					
L11_Pipe1	Proposed	50yr_24hr					
L11_Pipe1	Proposed	100yr_24hr					
L11_Pipe2	Proposed	1yr_24hr	☒	2.500	1.000	8.420	7.150
L11_Pipe2	Proposed	10yr_24hr					
L11_Pipe2	Proposed	25yr_24hr					
L11_Pipe2	Proposed	50yr_24hr					
L11_Pipe2	Proposed	100yr_24hr					
Ch Pkwy T	Proposed	10yr_24hr					
Ch Pkwy T	Proposed	25yr_24hr					
Ch Pkwy T	Proposed	50yr_24hr					
Ch Pkwy T	Proposed	100yr_24hr					
L47_Pipe	Proposed	1yr_24hr	☒	2.000	1.000	8.120	6.140
L47_Pipe	Proposed	10yr_24hr					
L47_Pipe	Proposed	25yr_24hr					
L47_Pipe	Proposed	50yr_24hr					
L47_Pipe	Proposed	100yr_24hr					
Ch Pkwy 2T	Proposed	10yr_24hr					
Ch Pkwy 2T	Proposed	25yr_24hr					
Ch Pkwy 2T	Proposed	50yr_24hr					
Ch Pkwy 2T	Proposed	100yr_24hr					
L53_Pipes	Proposed	1yr_24hr	☒	2.500	2.000	6.070	5.910
L53_Pipes	Proposed	10yr_24hr					

Heidt Telfair Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diameter ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
L53_Pipes	Proposed	25yr_24hr					
L53_Pipes	Proposed	50yr_24hr					
L53_Pipes	Proposed	100yr_24hr					
Telfair R	Proposed	10yr_24hr					
Telfair R	Proposed	25yr_24hr					
Telfair R	Proposed	50yr_24hr					
Telfair R	Proposed	100yr_24hr					
L55_Pipe	Proposed	1yr_24hr	☒	4.000	1.000	6.160	6.120
L55_Pipe	Proposed	10yr_24hr					
L55_Pipe	Proposed	25yr_24hr					
L55_Pipe	Proposed	50yr_24hr					
L55_Pipe	Proposed	100yr_24hr					
Ch Pkwy 2B	Proposed	10yr_24hr					
Ch Pkwy 2B	Proposed	25yr_24hr					
Ch Pkwy 2B	Proposed	50yr_24hr					
Ch Pkwy 2B	Proposed	100yr_24hr					
L58_Pipe	Proposed	1yr_24hr	☒	2.000	1.000	10.850	10.500
L58_Pipe	Proposed	10yr_24hr					
L58_Pipe	Proposed	25yr_24hr					
L58_Pipe	Proposed	50yr_24hr					
L58_Pipe	Proposed	100yr_24hr					
Ch Pkwy B	Proposed	10yr_24hr					
Ch Pkwy B	Proposed	25yr_24hr					
Ch Pkwy B	Proposed	50yr_24hr					
Ch Pkwy B	Proposed	100yr_24hr					
L41_Pipe	Proposed	1yr_24hr	☒	3.000	1.000	5.700	5.500
L41_Pipe	Proposed	10yr_24hr					
L41_Pipe	Proposed	25yr_24hr					
L41_Pipe	Proposed	50yr_24hr					
L41_Pipe	Proposed	100yr_24hr					
Telfair L	Proposed	10yr_24hr					
Telfair L	Proposed	25yr_24hr					
Telfair L	Proposed	50yr_24hr					
Telfair L	Proposed	100yr_24hr					

Heidt Telfair Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diameter ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
L38_Pipe	Proposed	1yr_24hr	☒	1.500	2.000	17.230	16.780
L38_Pipe	Proposed	10yr_24hr					
L38_Pipe	Proposed	25yr_24hr					
L38_Pipe	Proposed	50yr_24hr					
L38_Pipe	Proposed	100yr_24hr					
Hwy 80 ML	Proposed	10yr_24hr					
Hwy 80 ML	Proposed	25yr_24hr					
Hwy 80 ML	Proposed	50yr_24hr					
Hwy 80 ML	Proposed	100yr_24hr					
L07_Pipe	Proposed	1yr_24hr	☒	2.000	1.000	17.770	16.600
L07_Pipe	Proposed	10yr_24hr					
L07_Pipe	Proposed	25yr_24hr					
L07_Pipe	Proposed	50yr_24hr					
L07_Pipe	Proposed	100yr_24hr					
Hwy 80 R	Proposed	10yr_24hr					
Hwy 80 R	Proposed	25yr_24hr					
Hwy 80 R	Proposed	50yr_24hr					
Hwy 80 R	Proposed	100yr_24hr					
L52_Pipe	Proposed	1yr_24hr	☒	2.500	1.000	7.570	6.880
L52_Pipe	Proposed	10yr_24hr					
L52_Pipe	Proposed	25yr_24hr					
L52_Pipe	Proposed	50yr_24hr					
L52_Pipe	Proposed	100yr_24hr					
Ch Pkwy M	Proposed	10yr_24hr					
Ch Pkwy M	Proposed	25yr_24hr					
Ch Pkwy M	Proposed	50yr_24hr					
Ch Pkwy M	Proposed	100yr_24hr					
L34_Pipe	Proposed	1yr_24hr	☒	5.000	1.000	11.740	11.140
L34_Pipe	Proposed	10yr_24hr					
L34_Pipe	Proposed	25yr_24hr					
L34_Pipe	Proposed	50yr_24hr					
L34_Pipe	Proposed	100yr_24hr					
Hwy 80 L	Proposed	10yr_24hr					
Hwy 80 L	Proposed	25yr_24hr					

Heidt Telfair Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diameter ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
Hwy 80 L	Proposed	50yr_24hr					
Hwy 80 L	Proposed	100yr_24hr					
L21_Pipe	Proposed	1yr_24hr	☒	3.000	1.000	19.080	15.350
L21_Pipe	Proposed	10yr_24hr					
L21_Pipe	Proposed	25yr_24hr					
L21_Pipe	Proposed	50yr_24hr					
L21_Pipe	Proposed	100yr_24hr					
HWY 80 MR	Proposed	10yr_24hr					
HWY 80 MR	Proposed	25yr_24hr					
HWY 80 MR	Proposed	50yr_24hr					
HWY 80 MR	Proposed	100yr_24hr					
L18_Pipe	Proposed	1yr_24hr	☒	3.000	1.000	8.800	8.000
L18_Pipe	Proposed	10yr_24hr					
L18_Pipe	Proposed	25yr_24hr					
L18_Pipe	Proposed	50yr_24hr					
L18_Pipe	Proposed	100yr_24hr					
Hoss Rd	Proposed	10yr_24hr					
Hoss Rd	Proposed	25yr_24hr					
Hoss Rd	Proposed	50yr_24hr					
Hoss Rd	Proposed	100yr_24hr					
L16_Pipe	Proposed	1yr_24hr	☒	3.500	1.000	7.800	6.480
L16_Pipe	Proposed	10yr_24hr					
L16_Pipe	Proposed	25yr_24hr					
L16_Pipe	Proposed	50yr_24hr					
L16_Pipe	Proposed	100yr_24hr					
Heidt Rd	Proposed	10yr_24hr					
Heidt Rd	Proposed	25yr_24hr					
Heidt Rd	Proposed	50yr_24hr					
Heidt Rd	Proposed	100yr_24hr					

Heidt Telfair Road Crossings

Name	Scenario	Storm	Weir Flag	Weir Length ft	Top of Road ft	Max Flow over Road cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Railroad	Proposed	1yr_24hr	☒	200.000	18.990	0.000	8.161	7.270
Railroad	Proposed	10yr_24hr				0.000	9.543	7.630
Railroad	Proposed	25yr_24hr				0.000	9.977	7.630
Railroad	Proposed	50yr_24hr				0.000	10.306	7.630
Railroad	Proposed	100yr_24hr				0.000	10.626	7.630
Ch Pkwy T	Proposed	1yr_24hr	☒	300.000	12.500	0.000	8.574	8.485
Ch Pkwy T	Proposed	10yr_24hr				0.000	9.662	9.632
Ch Pkwy T	Proposed	25yr_24hr				0.000	10.071	10.042
Ch Pkwy T	Proposed	50yr_24hr				0.000	10.393	10.360
Ch Pkwy T	Proposed	100yr_24hr				0.000	10.711	10.672
Ch Pkwy 2T	Proposed	1yr_24hr	☒	330.000	13.120	0.000	8.945	8.576
Ch Pkwy 2T	Proposed	10yr_24hr				0.000	9.663	9.662
Ch Pkwy 2T	Proposed	25yr_24hr				0.000	10.163	10.071
Ch Pkwy 2T	Proposed	50yr_24hr				0.000	10.902	10.394
Ch Pkwy 2T	Proposed	100yr_24hr				0.000	11.626	10.712
Telfair R	Proposed	1yr_24hr	☒	50.000	10.420	0.000	8.579	8.577
Telfair R	Proposed	10yr_24hr				0.000	9.805	9.663
Telfair R	Proposed	25yr_24hr				0.442	10.441	10.071
Telfair R	Proposed	50yr_24hr				16.587	10.650	10.394
Telfair R	Proposed	100yr_24hr				32.033	10.777	10.714
Ch Pkwy 2B	Proposed	1yr_24hr	☒	200.000	12.870	0.000	8.580	8.580
Ch Pkwy 2B	Proposed	10yr_24hr				0.000	9.881	9.846
Ch Pkwy 2B	Proposed	25yr_24hr				0.000	10.518	10.467
Ch Pkwy 2B	Proposed	50yr_24hr				0.000	10.750	10.680
Ch Pkwy 2B	Proposed	100yr_24hr				0.000	10.898	10.810
Ch Pkwy B	Proposed	1yr_24hr	☒	300.000	14.850	0.000	11.847	10.635
Ch Pkwy B	Proposed	10yr_24hr				0.000	12.419	10.750
Ch Pkwy B	Proposed	25yr_24hr				0.000	12.636	10.786
Ch Pkwy B	Proposed	50yr_24hr				0.000	12.875	10.814
Ch Pkwy B	Proposed	100yr_24hr				0.000	13.068	10.840
Telfair L	Proposed	1yr_24hr	☒	200.000	10.300	0.000	8.754	8.741
Telfair L	Proposed	10yr_24hr				0.000	9.935	9.860
Telfair L	Proposed	25yr_24hr				1.965	10.322	10.242
Telfair L	Proposed	50yr_24hr				15.072	10.559	10.558

Heidt Telfair Road Crossings

Name	Scenario	Storm	Weir Flag	Weir Length ft	Top of Road ft	Max Flow over Road cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Telfair L	Proposed	100yr_24hr				27.213	10.869	10.869
Hwy 80 ML	Proposed	1yr_24hr	☒	200.000	22.000	0.000	18.104	17.677
Hwy 80 ML	Proposed	10yr_24hr				0.000	18.799	18.086
Hwy 80 ML	Proposed	25yr_24hr				0.000	19.184	18.220
Hwy 80 ML	Proposed	50yr_24hr				0.000	19.603	18.322
Hwy 80 ML	Proposed	100yr_24hr				0.000	19.992	18.421
Hwy 80 R	Proposed	1yr_24hr	☒	300.000	22.420	0.000	18.998	17.747
Hwy 80 R	Proposed	10yr_24hr				0.000	21.285	18.608
Hwy 80 R	Proposed	25yr_24hr				0.000	21.934	18.822
Hwy 80 R	Proposed	50yr_24hr				0.000	22.398	19.139
Hwy 80 R	Proposed	100yr_24hr				11.167	22.474	19.742
Ch Pkwy M	Proposed	1yr_24hr	☒	100.000	12.070	0.000	9.159	8.985
Ch Pkwy M	Proposed	10yr_24hr				0.000	11.263	10.838
Ch Pkwy M	Proposed	25yr_24hr				0.000	11.704	11.197
Ch Pkwy M	Proposed	50yr_24hr				0.000	12.018	11.446
Ch Pkwy M	Proposed	100yr_24hr				6.560	12.148	11.651
Hwy 80 L	Proposed	1yr_24hr	☒	200.000	22.640	0.000	14.802	14.345
Hwy 80 L	Proposed	10yr_24hr				0.000	16.255	15.773
Hwy 80 L	Proposed	25yr_24hr				0.000	16.895	16.265
Hwy 80 L	Proposed	50yr_24hr				0.000	17.467	16.644
Hwy 80 L	Proposed	100yr_24hr				0.000	18.386	17.009
HWY 80 MR	Proposed	1yr_24hr	☒	200.000	23.730	0.000	20.224	16.414
HWY 80 MR	Proposed	10yr_24hr				0.000	21.017	16.883
HWY 80 MR	Proposed	25yr_24hr				0.000	21.327	17.032
HWY 80 MR	Proposed	50yr_24hr				0.000	21.612	17.132
HWY 80 MR	Proposed	100yr_24hr				0.000	22.213	17.202
Hoss Rd	Proposed	1yr_24hr	☒	250.000	13.800	0.000	10.515	9.794
Hoss Rd	Proposed	10yr_24hr				0.000	11.936	10.607
Hoss Rd	Proposed	25yr_24hr				0.000	12.965	11.032
Hoss Rd	Proposed	50yr_24hr				3.776	13.829	11.580
Hoss Rd	Proposed	100yr_24hr				24.559	13.902	12.090
Heidt Rd	Proposed	1yr_24hr	☒	150.000	12.800	0.000	9.365	8.668
Heidt Rd	Proposed	10yr_24hr				0.000	10.476	9.709
Heidt Rd	Proposed	25yr_24hr				0.000	10.959	10.078

Heidt Telfair Road Crossings

Name	Scenario	Storm	Weir Flag	Weir Length ft	Top of Road ft	Max Flow over Road cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Heidt Rd	Proposed	50yr_24hr				0.000	11.541	10.398
Heidt Rd	Proposed	100yr_24hr				0.000	12.063	10.718

GARDEN CITY STORMWATER MASTER PLAN

APPENDIX D

CONTENTS:

TALMADGE BASIN
HYDROLOGIC PARAMETERS, EXHIBITS, & RESULTS

J-24540.0005



G A R D E N C I T Y



THOMAS & HUTTON



Job Number: 24540.0005	Produced: 4/9/2014	Produced By: J.R	Modified: 5/16/2014	Modified By:
File: Z:\24540\24540.0005\GIS\Mxd\Exhibits\Talmadge Basin Map.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source	Date		
Basins	Thomas & Hutton	2014		
Aerial Photography	GA DNR	2013		
DISCLAIMER				
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.				
Copyright © 2014 by Thomas & Hutton				
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.				

Garden City Stormwater Master Plan

Chatham County, Georgia

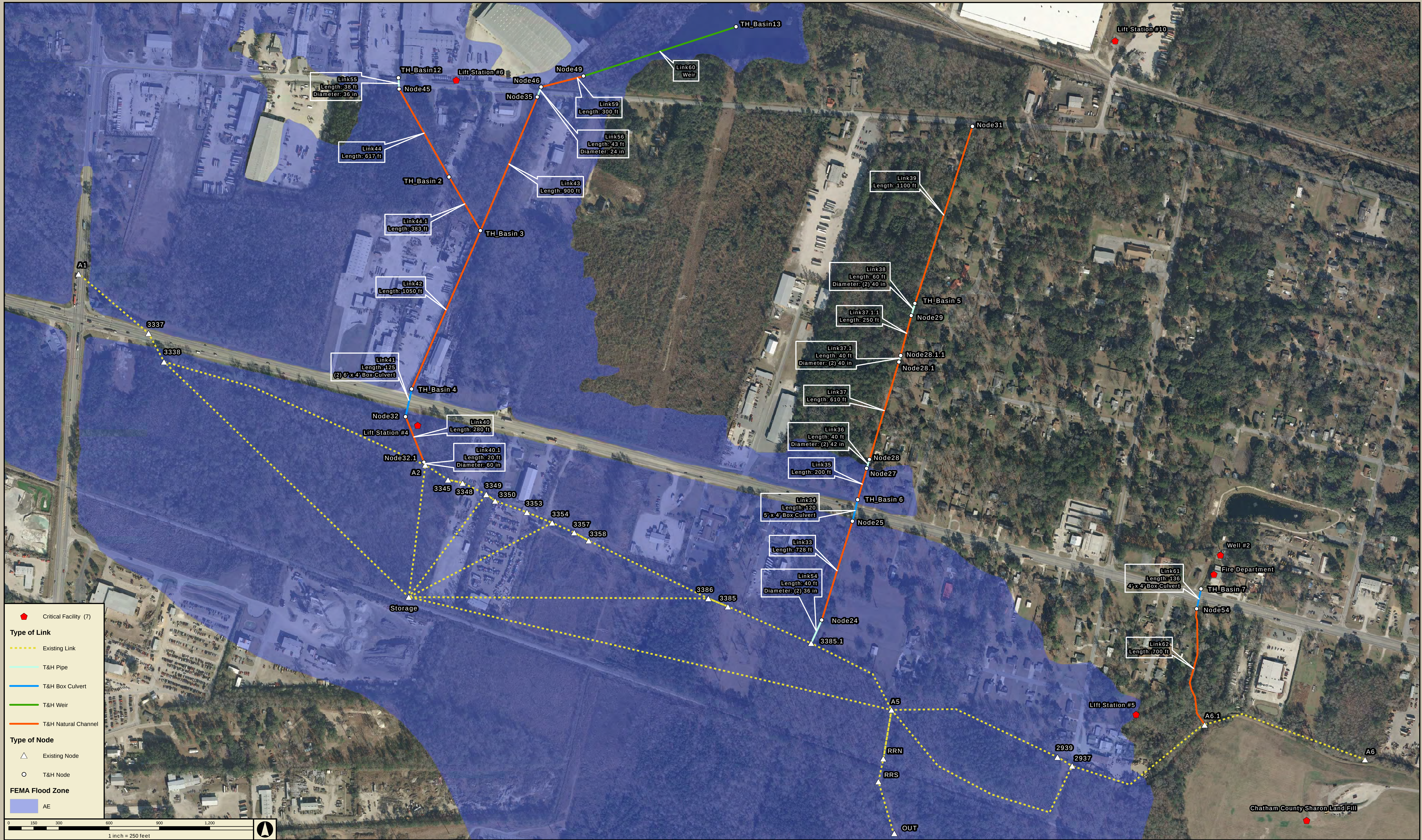
Talmadge Basin Map



THOMAS & HUTTON
50 PARK OF COMMERCE WAY • PO BOX 2727
SAVANNAH, GA 31402-2727 • 912.234.5300
www.thomasandhutton.com

GEOGRAPHIC INFORMATION SYSTEMS
Brunswick, GA | Charleston, SC | Myrtle Beach, SC | Wilmington, NC

Figure 1



Job Number: 24540.0005	Produced: 4/10/2014	Modified: 10/2/2014	Modified By: JLR
File: Z:\24540\24540.0005\GIS\Mxd\Exhibits\Talmadge NodeLink Map.mxd			Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:			
Data	Source	Date	
Critical Facilities	Atkins Global	2014	
Nodes & Links	Thomas & Hutton	2014	
Existing Nodes & Links	Hussey, Gay, Bell and DeYoung	2011	
Aerial Photography	GA DNR	2013	
FEMA DFRM	FEMA	2013	
DISCLAIMER			
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.			
Copyright © 2014 by Thomas & Hutton			
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.			

Garden City Stormwater Master Plan

Chatham City, Georgia

Talmadge Basin Node/Link Map

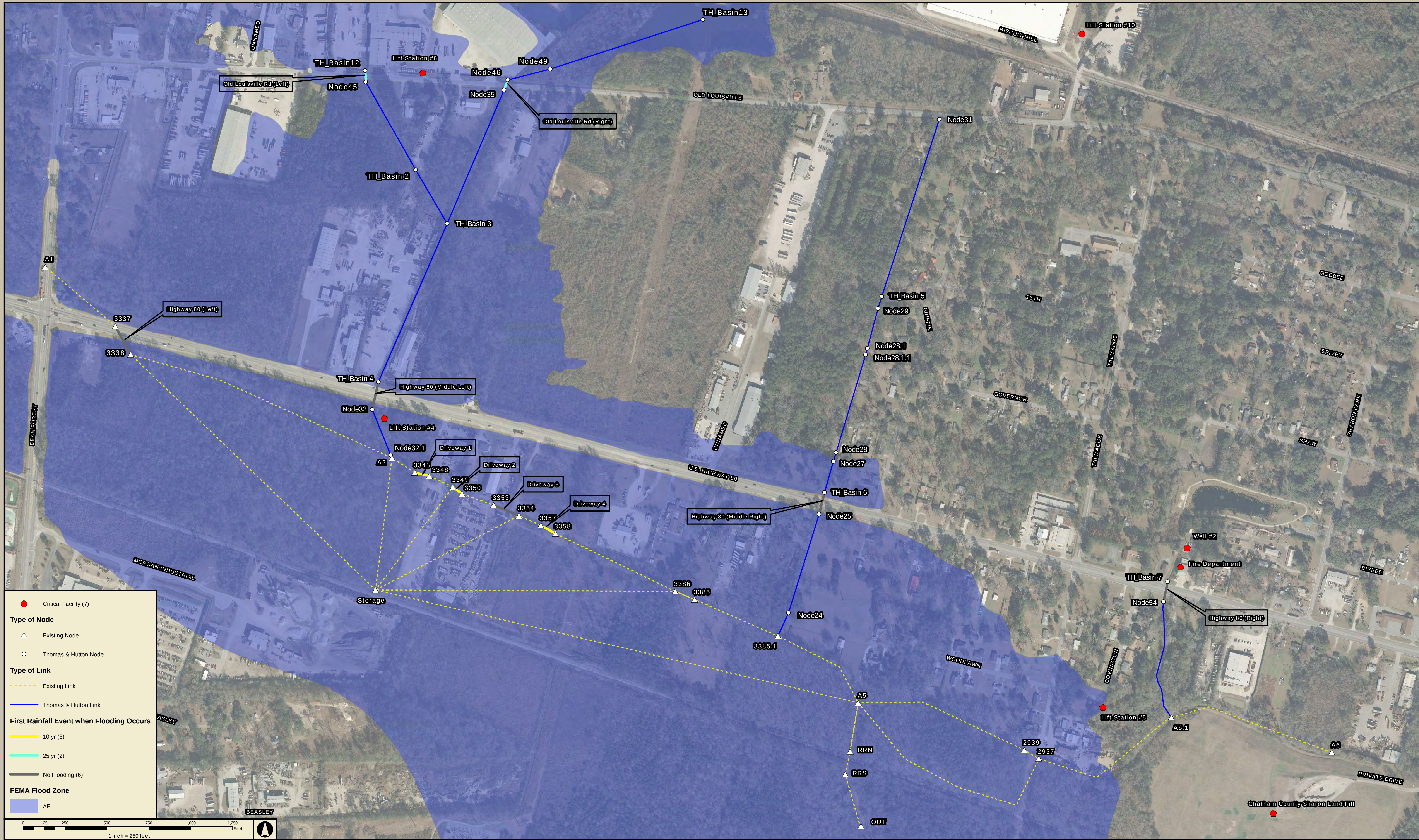


THOMAS & HUTTON

50 PARK OF COMMERCE WAY • PO BOX 2727
SAVANNAH, GA 31402-2727 • 912.234.5300
www.thomasandhutton.com

GEOGRAPHIC INFORMATION SYSTEMS

Brunswick, GA | Charleston, SC | Myrtle Beach, SC | Wilmington, NC



Job Number: 24540.0005	Produced: 4/14/2014	Produced By: JLR	Modified: 10/2/2014	Modified By: JLR
File: Z:\24540\24540.0005\GIS\Mxd\Exhibits\Talmadge Flood Map.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source	Date		
Critical Facilities	Atkins Global	2014		
Nodes & Links	Thomas & Hutton	2014		
Existing Nodes & Links	Hussey, Gay, Bell and DeYoung	2011		
Aerial Photography	GA DNR	2013		
FEMA DFRM	FEMA	2013		
DISCLAIMER				
Where Thomas & Hutton is cited as the data source, the firm has created or verified the data. For all other sources cited, Thomas & Hutton used the data "as is," has made no independent investigation of the data, and makes no representation as to the accuracy or completeness of the data. Please see each source for available documentation of its respective datasets.				
Copyright © 2014 by Thomas & Hutton				
No part of this document may be reproduced without written permission from an officer of Thomas & Hutton.				

Garden City Stormwater Master Plan

Chatham County, Georgia

Talmadge Basin Existing Flooding at Roadways



THOMAS & HUTTON

50 PARK OF COMMERCE WAY • PO BOX 2727
SAVANNAH, GA 31402-2727 • 912.234.5300
www.thomasandhutton.com

GEOGRAPHIC INFORMATION SYSTEMS

Brunswick, GA | Charleston, SC | Myrtle Beach, SC | Wilmington, NC

Talmadge Basin Input

Name	Storm	Subcatchment	Area ha;ac	Time of Concentration (min)	Curve Number	Routing Method
TH_Basin1	1yr_24hr	1	168.07	42.78	87.0	SCS Hydrology
TH_Basin1	10yr_24hr	1	168.07	42.78	87.0	SCS Hydrology
TH_Basin1	25yr_24hr	1	168.07	42.78	87.0	SCS Hydrology
TH_Basin1	50yr_24hr	1	168.07	42.78	87.0	SCS Hydrology
TH_Basin1	100yr_24hr	1	168.07	42.78	87.0	SCS Hydrology
TH_Basin11	1yr_24hr	1	198.44	97.62	88.0	SCS Hydrology
TH_Basin11	10yr_24hr	1	198.44	97.62	88.0	SCS Hydrology
TH_Basin11	25yr_24hr	1	198.44	97.62	88.0	SCS Hydrology
TH_Basin11	50yr_24hr	1	198.44	97.62	88.0	SCS Hydrology
TH_Basin11	100yr_24hr	1	198.44	97.62	88.0	SCS Hydrology
TH_Basin10	1yr_24hr	1	31.77	12.90	89.0	SCS Hydrology
TH_Basin10	10yr_24hr	1	31.77	12.90	89.0	SCS Hydrology
TH_Basin10	25yr_24hr	1	31.77	12.90	89.0	SCS Hydrology
TH_Basin10	50yr_24hr	1	31.77	12.90	89.0	SCS Hydrology
TH_Basin10	100yr_24hr	1	31.77	12.90	89.0	SCS Hydrology
TH_Basin9	1yr_24hr	1	157.68	93.54	82.0	SCS Hydrology
TH_Basin9	10yr_24hr	1	157.68	93.54	82.0	SCS Hydrology
TH_Basin9	25yr_24hr	1	157.68	93.54	82.0	SCS Hydrology
TH_Basin9	50yr_24hr	1	157.68	93.54	82.0	SCS Hydrology
TH_Basin9	100yr_24hr	1	157.68	93.54	82.0	SCS Hydrology
TH_Basin8	1yr_24hr	1	114.14	67.86	84.0	SCS Hydrology
TH_Basin8	10yr_24hr	1	114.14	67.86	84.0	SCS Hydrology
TH_Basin8	25yr_24hr	1	114.14	67.86	84.0	SCS Hydrology
TH_Basin8	50yr_24hr	1	114.14	67.86	84.0	SCS Hydrology
TH_Basin8	100yr_24hr	1	114.14	67.86	84.0	SCS Hydrology
TH_Basin 6	1yr_24hr	1	68.50	58.20	84.0	SCS Hydrology
TH_Basin 6	10yr_24hr	1	68.50	58.20	84.0	SCS Hydrology
TH_Basin 6	25yr_24hr	1	68.50	58.20	84.0	SCS Hydrology
TH_Basin 6	50yr_24hr	1	68.50	58.20	84.0	SCS Hydrology
TH_Basin 6	100yr_24hr	1	68.50	58.20	84.0	SCS Hydrology
TH_Basin 5	1yr_24hr	1	61.27	19.38	81.0	SCS Hydrology
TH_Basin 5	10yr_24hr	1	61.27	19.38	81.0	SCS Hydrology
TH_Basin 5	25yr_24hr	1	61.27	19.38	81.0	SCS Hydrology
TH_Basin 5	50yr_24hr	1	61.27	19.38	81.0	SCS Hydrology
TH_Basin 5	100yr_24hr	1	61.27	19.38	81.0	SCS Hydrology
TH_Basin 4	1yr_24hr	1	62.19	56.34	85.0	SCS Hydrology
TH_Basin 4	10yr_24hr	1	62.19	56.34	85.0	SCS Hydrology
TH_Basin 4	25yr_24hr	1	62.19	56.34	85.0	SCS Hydrology
TH_Basin 4	50yr_24hr	1	62.19	56.34	85.0	SCS Hydrology
TH_Basin 4	100yr_24hr	1	62.19	56.34	85.0	SCS Hydrology
TH_Basin 3	1yr_24hr	1	46.20	31.14	81.0	SCS Hydrology
TH_Basin 3	10yr_24hr	1	46.20	31.14	81.0	SCS Hydrology
TH_Basin 3	25yr_24hr	1	46.20	31.14	81.0	SCS Hydrology
TH_Basin 3	50yr_24hr	1	46.20	31.14	81.0	SCS Hydrology
TH_Basin 3	100yr_24hr	1	46.20	31.14	81.0	SCS Hydrology
TH_Basin 7	1yr_24hr	1	45.18	31.68	81.0	SCS Hydrology
TH_Basin 7	10yr_24hr	1	45.18	31.68	81.0	SCS Hydrology
TH_Basin 7	25yr_24hr	1	45.18	31.68	81.0	SCS Hydrology
TH_Basin 7	50yr_24hr	1	45.18	31.68	81.0	SCS Hydrology
TH_Basin 7	100yr_24hr	1	45.18	31.68	81.0	SCS Hydrology
TH_Basin12	1yr_24hr	1	18.22	16.20	92.0	SCS Hydrology

Talmadge Basin Input

Name	Storm	Subcatchment	Area ha;ac	Time of Concentration (min)	Curve Number	Routing Method
TH_Basin12	10yr_24hr	1	18.22	16.20	92.0	SCS Hydrology
TH_Basin12	25yr_24hr	1	18.22	16.20	92.0	SCS Hydrology
TH_Basin12	50yr_24hr	1	18.22	16.20	92.0	SCS Hydrology
TH_Basin12	100yr_24hr	1	18.22	16.20	92.0	SCS Hydrology
TH_Basin13	1yr_24hr	1	43.28	24.18	85.0	SCS Hydrology
TH_Basin13	10yr_24hr	1	43.28	24.18	85.0	SCS Hydrology
TH_Basin13	25yr_24hr	1	43.28	24.18	85.0	SCS Hydrology
TH_Basin13	50yr_24hr	1	43.28	24.18	85.0	SCS Hydrology
TH_Basin13	100yr_24hr	1	43.28	24.18	85.0	SCS Hydrology
TH_Basin 2	1yr_24hr	1	10.40	13.74	82.0	SCS Hydrology
TH_Basin 2	10yr_24hr	1	10.40	13.74	82.0	SCS Hydrology
TH_Basin 2	25yr_24hr	1	10.40	13.74	82.0	SCS Hydrology
TH_Basin 2	50yr_24hr	1	10.40	13.74	82.0	SCS Hydrology
TH_Basin 2	100yr_24hr	1	10.40	13.74	82.0	SCS Hydrology

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
T01	1yr_24hr		Trapezoidal	6.00	1.0	0.030	550.00	0.30	2.75	1.10	0.2	0.5
T01	10yr_24hr		Trapezoidal	6.00	1.0	0.030	550.00	0.30	2.75	1.10	0.2	0.5
T01	25yr_24hr		Trapezoidal	6.00	1.0	0.030	550.00	0.30	2.75	1.10	0.2	0.5
T01	50yr_24hr		Trapezoidal	6.00	1.0	0.030	550.00	0.30	2.75	1.10	0.2	0.5
T01	100yr_24hr		Trapezoidal	6.00	1.0	0.030	550.00	0.30	2.75	1.10	0.2	0.5
HWY80_1	1yr_24hr		Rectangular	4.00	1.0	0.012	200.00	0.33	2.26	1.59	0.2	0.5
HWY80_1	10yr_24hr											
HWY80_1	25yr_24hr											
HWY80_1	50yr_24hr											
HWY80_1	100yr_24hr											
HWY80_2	1yr_24hr		Rectangular	4.00	1.0	0.012	200.00	-0.28	1.10	1.66	0.2	0.5
HWY80_2	10yr_24hr											
HWY80_2	25yr_24hr											
HWY80_2	50yr_24hr											
HWY80_2	100yr_24hr											
T02	1yr_24hr		Trapezoidal	6.00	1.0	0.030	1680.00	0.00	1.59	1.59	0.2	0.5
T02	10yr_24hr		Trapezoidal	6.00	1.0	0.030	1680.00	0.00	1.59	1.59	0.2	0.5
T02	25yr_24hr		Trapezoidal	6.00	1.0	0.030	1680.00	0.00	1.59	1.59	0.2	0.5
T02	50yr_24hr		Trapezoidal	6.00	1.0	0.030	1680.00	0.00	1.59	1.59	0.2	0.5
T02	100yr_24hr		Trapezoidal	6.00	1.0	0.030	1680.00	0.00	1.59	1.59	0.2	0.5
BREACH1	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH1	10yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH1	25yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH1	50yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH1	100yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
T03	1yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.37	1.59	1.00	0.2	0.5
T03	10yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.37	1.59	1.00	0.2	0.5
T03	25yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.37	1.59	1.00	0.2	0.5
T03	50yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.37	1.59	1.00	0.2	0.5
T03	100yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.37	1.59	1.00	0.2	0.5
BREACH2	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH2	10yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH2	25yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH2	50yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
BREACH2	100yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
D1.1	1yr_24hr		Circular	4.00	2.0	0.012	40.00	-0.40	1.00	1.16	0.2	0.5
D1.1	10yr_24hr											
D1.1	25yr_24hr											
D1.1	50yr_24hr											
D1.1	100yr_24hr											
D1-OVER	1yr_24hr		Trapezoidal	2.00	1.0	0.030	40.00	0.00	7.73	7.73	0.2	0.5
D1-OVER	10yr_24hr											
D1-OVER	25yr_24hr											
D1-OVER	50yr_24hr											
D1-OVER	100yr_24hr											
T04	1yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.04	1.16	1.09	0.2	0.5
T04	10yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.04	1.16	1.09	0.2	0.5
T04	25yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.04	1.16	1.09	0.2	0.5
T04	50yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.04	1.16	1.09	0.2	0.5
T04	100yr_24hr		Trapezoidal	6.00	1.0	0.030	160.00	0.04	1.16	1.09	0.2	0.5
D2.1	1yr_24hr		Circular	4.50	1.0	0.012	40.00	1.15	1.09	0.63	0.2	0.5
D2.1	10yr_24hr											
D2.1	25yr_24hr											
D2.1	50yr_24hr											
D2.1	100yr_24hr											
D2-OVER	1yr_24hr		Trapezoidal	2.00	1.0	0.030	40.00	0.00	7.92	7.92	0.2	0.5
D2-OVER	10yr_24hr											
D2-OVER	25yr_24hr											
D2-OVER	50yr_24hr											
D2-OVER	100yr_24hr											
T05	1yr_24hr		Trapezoidal	6.00	1.0	0.030	200.00	-0.79	0.63	2.20	0.2	0.5
T05	10yr_24hr		Trapezoidal	6.00	1.0	0.030	200.00	-0.79	0.63	2.20	0.2	0.5
T05	25yr_24hr		Trapezoidal	6.00	1.0	0.030	200.00	-0.79	0.63	2.20	0.2	0.5
T05	50yr_24hr		Trapezoidal	6.00	1.0	0.030	200.00	-0.79	0.63	2.20	0.2	0.5
T05	100yr_24hr		Trapezoidal	6.00	1.0	0.030	200.00	-0.79	0.63	2.20	0.2	0.5
D3.1	1yr_24hr		Circular	5.00	2.0	0.012	40.00	0.25	2.20	2.10	0.2	0.5
D3.1	10yr_24hr											
D3.1	25yr_24hr											

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
D3.1	50yr_24hr											
D3.1	100yr_24hr											
D3-OVER	1yr_24hr		Trapezoidal	2.00	1.0	0.030	40.00	0.00	9.48	9.48	0.2	0.5
D3-OVER	10yr_24hr											
D3-OVER	25yr_24hr											
D3-OVER	50yr_24hr											
D3-OVER	100yr_24hr											
T06	1yr_24hr		Trapezoidal	6.00	1.0	0.030	145.00	0.74	2.10	1.02	0.2	0.5
T06	10yr_24hr		Trapezoidal	6.00	1.0	0.030	145.00	0.74	2.10	1.02	0.2	0.5
T06	25yr_24hr		Trapezoidal	6.00	1.0	0.030	145.00	0.74	2.10	1.02	0.2	0.5
T06	50yr_24hr		Trapezoidal	6.00	1.0	0.030	145.00	0.74	2.10	1.02	0.2	0.5
T06	100yr_24hr		Trapezoidal	6.00	1.0	0.030	145.00	0.74	2.10	1.02	0.2	0.5
D4.1	1yr_24hr		Circular	5.00	2.0	0.012	40.00	0.92	1.02	0.65	0.2	0.5
D4.1	10yr_24hr											
D4.1	25yr_24hr											
D4.1	50yr_24hr											
D4.1	100yr_24hr											
D4-OVER	1yr_24hr		Trapezoidal	2.00	1.0	0.030	40.00	0.00	7.92	7.92	0.2	0.5
D4-OVER	10yr_24hr											
D4-OVER	25yr_24hr											
D4-OVER	50yr_24hr											
D4-OVER	100yr_24hr											
T07	1yr_24hr		Trapezoidal	6.00	1.0	0.030	800.00	-0.05	0.65	1.03	0.2	0.5
T07	10yr_24hr		Trapezoidal	6.00	1.0	0.030	800.00	-0.05	0.65	1.03	0.2	0.5
T07	25yr_24hr		Trapezoidal	6.00	1.0	0.030	800.00	-0.05	0.65	1.03	0.2	0.5
T07	50yr_24hr		Trapezoidal	6.00	1.0	0.030	800.00	-0.05	0.65	1.03	0.2	0.5
T07	100yr_24hr		Trapezoidal	6.00	1.0	0.030	800.00	-0.05	0.65	1.03	0.2	0.5
BREACH5	1yr_24hr		Trapezoidal	1.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH5	10yr_24hr		Trapezoidal	1.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH5	25yr_24hr		Trapezoidal	1.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH5	50yr_24hr		Trapezoidal	1.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH5	100yr_24hr		Trapezoidal	1.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
D5.1	1yr_24hr		Circular	4.50	1.0	0.012	40.00	-0.15	1.03	1.09	0.2	0.5
D5.1	10yr_24hr											

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
D5.1	25yr_24hr											
D5.1	50yr_24hr											
D5.1	100yr_24hr											
D5-OVER	1yr_24hr		Trapezoidal	2.00	1.0	0.030	40.00	0.00	7.00	7.00	0.2	0.5
D5-OVER	10yr_24hr											
D5-OVER	25yr_24hr											
D5-OVER	50yr_24hr											
D5-OVER	100yr_24hr											
T08	1yr_24hr		Trapezoidal	6.00	1.0	0.030	500.00	0.11	1.09	0.55	0.2	0.5
T08	10yr_24hr		Trapezoidal	6.00	1.0	0.030	500.00	0.11	1.09	0.55	0.2	0.5
T08	25yr_24hr		Trapezoidal	6.00	1.0	0.030	500.00	0.11	1.09	0.55	0.2	0.5
T08	50yr_24hr		Trapezoidal	6.00	1.0	0.030	500.00	0.11	1.09	0.55	0.2	0.5
T08	100yr_24hr		Trapezoidal	6.00	1.0	0.030	500.00	0.11	1.09	0.55	0.2	0.5
T09.1	1yr_24hr		Trapezoidal	6.00	1.0	0.030	300.00	-0.10	0.00	0.30	0.2	0.5
T09.1	10yr_24hr											
T09.1	25yr_24hr											
T09.1	50yr_24hr											
T09.1	100yr_24hr											
T09_BREACH	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
T09_BREACH	10yr_24hr											
T09_BREACH	25yr_24hr											
T09_BREACH	50yr_24hr											
T09_BREACH	100yr_24hr											
RR	1yr_24hr		Circular	7.00	1.0	0.012	120.00	-0.30	0.30	0.66	0.2	0.5
RR	10yr_24hr		Circular	7.00	1.0	0.012	120.00	-0.30	0.30	0.66	0.2	0.5
RR	25yr_24hr		Circular	7.00	1.0	0.012	120.00	-0.30	0.30	0.66	0.2	0.5
RR	50yr_24hr		Circular	7.00	1.0	0.012	120.00	-0.30	0.30	0.66	0.2	0.5
RR	100yr_24hr		Circular	7.00	1.0	0.012	120.00	-0.30	0.30	0.66	0.2	0.5
T10	1yr_24hr		Trapezoidal	6.00	1.0	0.030	1050.00	0.00	0.66	0.66	0.2	0.5
T10	10yr_24hr		Trapezoidal	6.00	1.0	0.030	1050.00	0.00	0.66	0.66	0.2	0.5
T10	25yr_24hr		Trapezoidal	6.00	1.0	0.030	1050.00	0.00	0.66	0.66	0.2	0.5
T10	50yr_24hr		Trapezoidal	6.00	1.0	0.030	1050.00	0.00	0.66	0.66	0.2	0.5
T10	100yr_24hr		Trapezoidal	6.00	1.0	0.030	1050.00	0.00	0.66	0.66	0.2	0.5
T11	1yr_24hr		Trapezoidal	7.00	1.0	0.030	1055.00	0.28	3.00	0.00	0.2	0.5

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
T11	10yr_24hr		Trapezoidal	7.00	1.0	0.030	1055.00	0.28	3.00	0.00	0.2	0.5
T11	25yr_24hr		Trapezoidal	7.00	1.0	0.030	1055.00	0.28	3.00	0.00	0.2	0.5
T11	50yr_24hr		Trapezoidal	7.00	1.0	0.030	1055.00	0.28	3.00	0.00	0.2	0.5
T11	100yr_24hr		Trapezoidal	7.00	1.0	0.030	1055.00	0.28	3.00	0.00	0.2	0.5
TALM	1yr_24hr		Circular	4.00	1.0	0.012	40.00	0.00	3.00	3.00	0.2	0.5
TALM	10yr_24hr		Circular	4.00	1.0	0.012	40.00	0.00	3.00	3.00	0.2	0.5
TALM	25yr_24hr		Circular	4.00	1.0	0.012	40.00	0.00	3.00	3.00	0.2	0.5
TALM	50yr_24hr		Circular	4.00	1.0	0.012	40.00	0.00	3.00	3.00	0.2	0.5
TALM	100yr_24hr		Circular	4.00	1.0	0.012	40.00	0.00	3.00	3.00	0.2	0.5
BREACH7	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH7	10yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH7	25yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH7	50yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH7	100yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
T12	1yr_24hr		Trapezoidal	6.00	1.0	0.030	1020.00	0.10	4.95	3.98	0.2	0.5
T12	10yr_24hr		Trapezoidal	6.00	1.0	0.030	1020.00	0.10	4.95	3.98	0.2	0.5
T12	25yr_24hr		Trapezoidal	6.00	1.0	0.030	1020.00	0.10	4.95	3.98	0.2	0.5
T12	50yr_24hr		Trapezoidal	6.00	1.0	0.030	1020.00	0.10	4.95	3.98	0.2	0.5
T12	100yr_24hr		Trapezoidal	6.00	1.0	0.030	1020.00	0.10	4.95	3.98	0.2	0.5
BREACH6	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH6	10yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH6	25yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH6	50yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH6	100yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH3	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH3	10yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH3	25yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH3	50yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH3	100yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH4	1yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH4	10yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH4	25yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH4	50yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5
BREACH4	100yr_24hr		Trapezoidal	2.00	1.0	0.030	20.00	0.00	6.00	6.00	0.2	0.5

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
T08.1	1yr_24hr		Trapezoidal	6.00	1.0	0.030	700.00	0.08	0.55	0.00	0.2	0.5
T08.1	10yr_24hr		Trapezoidal	6.00	1.0	0.030	700.00	0.08	0.55	0.00	0.2	0.5
T08.1	25yr_24hr		Trapezoidal	6.00	1.0	0.030	700.00	0.08	0.55	0.00	0.2	0.5
T08.1	50yr_24hr		Trapezoidal	6.00	1.0	0.030	700.00	0.08	0.55	0.00	0.2	0.5
T08.1	100yr_24hr		Trapezoidal	6.00	1.0	0.030	700.00	0.08	0.55	0.00	0.2	0.5
TH-P100	1yr_24hr		Circular	3.00	1.0	0.013	40.00	1.45	3.21	2.63	0.2	0.5
TH-P100	10yr_24hr											
TH-P100	25yr_24hr											
TH-P100	50yr_24hr											
TH-P100	100yr_24hr											
TH-P101	1yr_24hr		Circular	3.00	1.0	0.012	40.00	1.45	3.21	2.63	0.2	0.5
TH-P101	10yr_24hr											
TH-P101	25yr_24hr											
TH-P101	50yr_24hr											
TH-P101	100yr_24hr											
TH-100OVER	1yr_24hr		Trapezoidal	2.00	1.0	0.030	40.00	0.00	6.00	6.00	0.2	0.5
TH-100OVER	10yr_24hr											
TH-100OVER	25yr_24hr											
TH-100OVER	50yr_24hr											
TH-100OVER	100yr_24hr											
Link33	1yr_24hr		Natural	0.00	1.0	0.012	728.00	0.39	5.50	2.63	0.2	0.5
Link33	10yr_24hr		Natural	0.00	1.0	0.012	728.00	0.39	5.50	2.63	0.2	0.5
Link33	25yr_24hr		Natural	0.00	1.0	0.012	728.00	0.39	5.50	2.63	0.2	0.5
Link33	50yr_24hr		Natural	0.00	1.0	0.012	728.00	0.39	5.50	2.63	0.2	0.5
Link33	100yr_24hr		Natural	0.00	1.0	0.012	728.00	0.39	5.50	2.63	0.2	0.5
261.1	1yr_24hr		Rectangular	4.00	1.0	0.012	120.00	0.83	6.50	5.50	0.2	0.5
261.1	10yr_24hr											
261.1	25yr_24hr											
261.1	50yr_24hr											
261.1	100yr_24hr											
Hwy 80 MR	1yr_24hr	☒										
Hwy 80 MR	10yr_24hr											
Hwy 80 MR	25yr_24hr											
Hwy 80 MR	50yr_24hr											

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
Hwy 80 MR	100yr_24hr											
Link35	1yr_24hr		Natural	0.00	1.0	0.012	200.00	0.05	6.60	6.50	0.2	0.5
Link35	10yr_24hr		Natural	0.00	1.0	0.012	200.00	0.05	6.60	6.50	0.2	0.5
Link35	25yr_24hr		Natural	0.00	1.0	0.012	200.00	0.05	6.60	6.50	0.2	0.5
Link35	50yr_24hr		Natural	0.00	1.0	0.012	200.00	0.05	6.60	6.50	0.2	0.5
Link35	100yr_24hr		Natural	0.00	1.0	0.012	200.00	0.05	6.60	6.50	0.2	0.5
265.1	1yr_24hr		Circular	3.50	1.0	0.012	40.00	1.50	7.20	6.60	0.2	0.5
265.1	10yr_24hr											
265.1	25yr_24hr											
265.1	50yr_24hr											
265.1	100yr_24hr											
265.1A	1yr_24hr		Circular	3.50	1.0	0.012	40.00	1.50	7.20	6.60	0.2	0.5
265.1A	10yr_24hr											
265.1A	25yr_24hr											
265.1A	50yr_24hr											
265.1A	100yr_24hr											
L36_Grnd	1yr_24hr	☒										
L36_Grnd	10yr_24hr											
L36_Grnd	25yr_24hr											
L36_Grnd	50yr_24hr											
L36_Grnd	100yr_24hr											
Link37.1.1	1yr_24hr		Natural	0.00	1.0	0.012	250.00	0.32	11.40	10.60	0.2	0.5
Link37.1.1	10yr_24hr		Natural	0.00	1.0	0.012	250.00	0.32	11.40	10.60	0.2	0.5
Link37.1.1	25yr_24hr		Natural	0.00	1.0	0.012	250.00	0.32	11.40	10.60	0.2	0.5
Link37.1.1	50yr_24hr		Natural	0.00	1.0	0.012	250.00	0.32	11.40	10.60	0.2	0.5
Link37.1.1	100yr_24hr		Natural	0.00	1.0	0.012	250.00	0.32	11.40	10.60	0.2	0.5
269.1	1yr_24hr		Circular	3.50	1.0	0.012	60.00	0.67	11.80	11.40	0.2	0.5
269.1	10yr_24hr											
269.1	25yr_24hr											
269.1	50yr_24hr											
269.1	100yr_24hr											
269.1A	1yr_24hr		Circular	3.50	1.0	0.012	60.00	0.67	11.80	11.40	0.2	0.5
269.1A	10yr_24hr											
269.1A	25yr_24hr											

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
269.1A	50yr_24hr											
269.1A	100yr_24hr											
L38_Grnd	1yr_24hr	☒										
L38_Grnd	10yr_24hr											
L38_Grnd	25yr_24hr											
L38_Grnd	50yr_24hr											
L38_Grnd	100yr_24hr											
Link39	1yr_24hr		Natural	0.00	1.0	0.012	1100.00	0.29	15.00	11.80	0.2	0.5
Link39	10yr_24hr		Natural	0.00	1.0	0.012	1100.00	0.29	15.00	11.80	0.2	0.5
Link39	25yr_24hr		Natural	0.00	1.0	0.012	1100.00	0.29	15.00	11.80	0.2	0.5
Link39	50yr_24hr		Natural	0.00	1.0	0.012	1100.00	0.29	15.00	11.80	0.2	0.5
Link39	100yr_24hr		Natural	0.00	1.0	0.012	1100.00	0.29	15.00	11.80	0.2	0.5
Link40	1yr_24hr		Natural	0.00	1.0	0.012	280.00	0.17	3.58	3.53	0.2	0.5
Link40	10yr_24hr		Natural	0.00	1.0	0.012	280.00	0.17	3.58	3.53	0.2	0.5
Link40	25yr_24hr		Natural	0.00	1.0	0.012	280.00	0.17	3.58	3.53	0.2	0.5
Link40	50yr_24hr		Natural	0.00	1.0	0.012	280.00	0.17	3.58	3.53	0.2	0.5
Link40	100yr_24hr		Natural	0.00	1.0	0.012	280.00	0.17	3.58	3.53	0.2	0.5
275.1	1yr_24hr		Rectangular	4.00	1.0	0.012	125.00	0.20	3.66	3.58	0.2	0.5
275.1	10yr_24hr											
275.1	25yr_24hr											
275.1	50yr_24hr											
275.1	100yr_24hr											
275.1A	1yr_24hr		Rectangular	4.00	1.0	0.012	125.00	0.20	3.66	3.58	0.2	0.5
275.1A	10yr_24hr											
275.1A	25yr_24hr											
275.1A	50yr_24hr											
275.1A	100yr_24hr											
Hwy 80 ML	1yr_24hr	☒										
Hwy 80 ML	10yr_24hr											
Hwy 80 ML	25yr_24hr											
Hwy 80 ML	50yr_24hr											
Hwy 80 ML	100yr_24hr											
Link42	1yr_24hr		Natural	0.00	1.0	0.012	1050.00	0.00	4.30	3.66	0.2	0.5
Link42	10yr_24hr		Natural	0.00	1.0	0.012	1050.00	0.00	4.30	3.66	0.2	0.5

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
Link42	25yr_24hr		Natural	0.00	1.0	0.012	1050.00	0.00	4.30	3.66	0.2	0.5
Link42	50yr_24hr		Natural	0.00	1.0	0.012	1050.00	0.00	4.30	3.66	0.2	0.5
Link42	100yr_24hr		Natural	0.00	1.0	0.012	1050.00	0.00	4.30	3.66	0.2	0.5
Link43	1yr_24hr		Natural	0.00	1.0	0.012	900.00	0.01	4.35	4.30	0.2	0.5
Link43	10yr_24hr		Natural	0.00	1.0	0.012	900.00	0.01	4.35	4.30	0.2	0.5
Link43	25yr_24hr		Natural	0.00	1.0	0.012	900.00	0.01	4.35	4.30	0.2	0.5
Link43	50yr_24hr		Natural	0.00	1.0	0.012	900.00	0.01	4.35	4.30	0.2	0.5
Link43	100yr_24hr		Natural	0.00	1.0	0.012	900.00	0.01	4.35	4.30	0.2	0.5
Link44	1yr_24hr		Natural	0.00	1.0	0.012	617.00	0.10	4.40	4.34	0.2	0.5
Link44	10yr_24hr		Natural	0.00	1.0	0.012	617.00	0.10	4.40	4.34	0.2	0.5
Link44	25yr_24hr		Natural	0.00	1.0	0.012	617.00	0.10	4.40	4.34	0.2	0.5
Link44	50yr_24hr		Natural	0.00	1.0	0.012	617.00	0.10	4.40	4.34	0.2	0.5
Link44	100yr_24hr		Natural	0.00	1.0	0.012	617.00	0.10	4.40	4.34	0.2	0.5
Link37	1yr_24hr		Natural	0.00	1.0	0.012	610.00	0.54	10.50	7.20	0.2	0.5
Link37	10yr_24hr		Natural	0.00	1.0	0.012	610.00	0.54	10.50	7.20	0.2	0.5
Link37	25yr_24hr		Natural	0.00	1.0	0.012	610.00	0.54	10.50	7.20	0.2	0.5
Link37	50yr_24hr		Natural	0.00	1.0	0.012	610.00	0.54	10.50	7.20	0.2	0.5
Link37	100yr_24hr		Natural	0.00	1.0	0.012	610.00	0.54	10.50	7.20	0.2	0.5
303.1	1yr_24hr		Circular	3.50	1.0	0.012	40.00	0.25	10.60	10.50	0.2	0.5
303.1	10yr_24hr											
303.1	25yr_24hr											
303.1	50yr_24hr											
303.1	100yr_24hr											
303.1A	1yr_24hr		Circular	3.50	1.0	0.012	40.00	0.25	10.60	10.50	0.2	0.5
303.1A	10yr_24hr											
303.1A	25yr_24hr											
303.1A	50yr_24hr											
303.1A	100yr_24hr											
L37.1_Grnd	1yr_24hr	☒										
L37.1_Grnd	10yr_24hr											
L37.1_Grnd	25yr_24hr											
L37.1_Grnd	50yr_24hr											
L37.1_Grnd	100yr_24hr											
Link40.1	1yr_24hr		Circular	5.00	1.0	0.012	20.00	9.70	3.53	1.59	0.2	0.5

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
Link40.1	10yr_24hr		Circular	5.00	1.0	0.012	20.00	9.70	3.53	1.59	0.2	0.5
Link40.1	25yr_24hr		Circular	5.00	1.0	0.012	20.00	9.70	3.53	1.59	0.2	0.5
Link40.1	50yr_24hr		Circular	5.00	1.0	0.012	20.00	9.70	3.53	1.59	0.2	0.5
Link40.1	100yr_24hr		Circular	5.00	1.0	0.012	20.00	9.70	3.53	1.59	0.2	0.5
T12.1	1yr_24hr		Trapezoidal	6.00	1.0	0.030	930.00	0.11	3.98	3.00	0.5	1.0
T12.1	10yr_24hr		Trapezoidal	6.00	1.0	0.030	930.00	0.11	3.98	3.00	0.5	1.0
T12.1	25yr_24hr		Trapezoidal	6.00	1.0	0.030	930.00	0.11	3.98	3.00	0.5	1.0
T12.1	50yr_24hr		Trapezoidal	6.00	1.0	0.030	930.00	0.11	3.98	3.00	0.5	1.0
T12.1	100yr_24hr		Trapezoidal	6.00	1.0	0.030	930.00	0.11	3.98	3.00	0.5	1.0
Link61_P	1yr_24hr		Rectangular	4.00	1.0	0.012	135.59	0.90	11.97	10.75	0.2	0.5
Link61_P	10yr_24hr											
Link61_P	25yr_24hr											
Link61_P	50yr_24hr											
Link61_P	100yr_24hr											
Hwy 80 R	1yr_24hr	☒										
Hwy 80 R	10yr_24hr											
Hwy 80 R	25yr_24hr											
Hwy 80 R	50yr_24hr											
Hwy 80 R	100yr_24hr											
Link62	1yr_24hr		Natural	0.00	1.0	0.012	700.00	1.05	10.75	3.98	0.2	0.5
Link62	10yr_24hr		Natural	0.00	1.0	0.012	700.00	1.05	10.75	3.98	0.2	0.5
Link62	25yr_24hr		Natural	0.00	1.0	0.012	700.00	1.05	10.75	3.98	0.2	0.5
Link62	50yr_24hr		Natural	0.00	1.0	0.012	700.00	1.05	10.75	3.98	0.2	0.5
Link62	100yr_24hr		Natural	0.00	1.0	0.012	700.00	1.05	10.75	3.98	0.2	0.5
Link55.1	1yr_24hr		Circular	3.00	1.0	0.013	37.91	0.00	4.41	4.40	0.2	0.5
Link55.1	10yr_24hr											
Link55.1	25yr_24hr											
Link55.1	50yr_24hr											
Link55.1	100yr_24hr											
OldLouis_L	1yr_24hr	☒										
OldLouis_L	10yr_24hr											
OldLouis_L	25yr_24hr											
OldLouis_L	50yr_24hr											
OldLouis_L	100yr_24hr											

Talmadge Existing Link Input

Name	Storm	Weir Flag	Shape	Diam. ft	No. of Barrels	Roughness	Length ft	Conduit Slope	US Invert Elevation ft	DS Invert Elevation ft	Entrance Loss	Exit Loss
Link56.1	1yr_24hr		Circular	2.00	1.0	0.013	42.78	0.00	4.75	4.35	0.2	0.5
Link56.1	10yr_24hr											
Link56.1	25yr_24hr											
Link56.1	50yr_24hr											
Link56.1	100yr_24hr											
OldLouis_R	1yr_24hr	☒										
OldLouis_R	10yr_24hr											
OldLouis_R	25yr_24hr											
OldLouis_R	50yr_24hr											
OldLouis_R	100yr_24hr											
Overflow	1yr_24hr	☒										
Overflow	10yr_24hr											
Overflow	25yr_24hr											
Overflow	50yr_24hr											
Overflow	100yr_24hr											
Link44.1	1yr_24hr		Natural	0.00	1.0	0.012	383.00	0.10	4.34	4.30	0.2	0.5
Link44.1	10yr_24hr		Natural	0.00	1.0	0.012	383.00	0.10	4.34	4.30	0.2	0.5
Link44.1	25yr_24hr		Natural	0.00	1.0	0.012	383.00	0.10	4.34	4.30	0.2	0.5
Link44.1	50yr_24hr		Natural	0.00	1.0	0.012	383.00	0.10	4.34	4.30	0.2	0.5
Link44.1	100yr_24hr		Natural	0.00	1.0	0.012	383.00	0.10	4.34	4.30	0.2	0.5
Link59	1yr_24hr		Natural	0.00	1.0	0.014	300.00	0.00	7.30	4.75	0.2	0.5
Link59	10yr_24hr		Natural	0.00	1.0	0.014	300.00	0.00	7.30	4.75	0.2	0.5
Link59	25yr_24hr		Natural	0.00	1.0	0.014	300.00	0.00	7.30	4.75	0.2	0.5
Link59	50yr_24hr		Natural	0.00	1.0	0.014	300.00	0.00	7.30	4.75	0.2	0.5
Link59	100yr_24hr		Natural	0.00	1.0	0.014	300.00	0.00	7.30	4.75	0.2	0.5

Talmadge Existing Node Input

Name	Storm	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag		
TH_Basin1	1yr_24hr	Allowed	2.75	15.00			
TH_Basin1	10yr_24hr	Allowed	2.75	15.00			
TH_Basin1	25yr_24hr	Allowed	2.75	15.00			
TH_Basin1	50yr_24hr	Allowed	2.75	15.00			
TH_Basin1	100yr_24hr	Allowed	2.75	15.00			
3337	1yr_24hr	Allowed	1.10	15.00			
3337	10yr_24hr	Allowed	1.10	15.00			
3337	25yr_24hr	Allowed	1.10	15.00			
3337	50yr_24hr	Allowed	1.10	15.00			
3337	100yr_24hr	Allowed	1.10	15.00			
TH_Basin11	1yr_24hr	Allowed	1.59	15.00			
TH_Basin11	10yr_24hr	Allowed	1.59	15.00			
TH_Basin11	25yr_24hr	Allowed	1.59	15.00			
TH_Basin11	50yr_24hr	Allowed	1.59	15.00			
TH_Basin11	100yr_24hr	Allowed	1.59	15.00			
A2	1yr_24hr	Allowed	1.59	15.00			
A2	10yr_24hr	Allowed	1.59	15.00			
A2	25yr_24hr	Allowed	1.59	15.00			
A2	50yr_24hr	Allowed	1.59	15.00			
A2	100yr_24hr	Allowed	1.59	15.00			
3345	1yr_24hr	Allowed	1.00	15.00			
3345	10yr_24hr	Allowed	1.00	15.00			
3345	25yr_24hr	Allowed	1.00	15.00			
3345	50yr_24hr	Allowed	1.00	15.00			
3345	100yr_24hr	Allowed	1.00	15.00			
3348	1yr_24hr	Allowed	1.16	15.00			
3348	10yr_24hr	Allowed	1.16	15.00			
3348	25yr_24hr	Allowed	1.16	15.00			
3348	50yr_24hr	Allowed	1.16	15.00			
3348	100yr_24hr	Allowed	1.16	15.00			
3349	1yr_24hr	Allowed	1.09	15.00			
3349	10yr_24hr	Allowed	1.09	15.00			
3349	25yr_24hr	Allowed	1.09	15.00			
3349	50yr_24hr	Allowed	1.09	15.00			
3349	100yr_24hr	Allowed	1.09	15.00			
3350	1yr_24hr	Allowed	0.63	15.00			
3350	10yr_24hr	Allowed	0.63	15.00			
3350	25yr_24hr	Allowed	0.63	15.00			
3350	50yr_24hr	Allowed	0.63	15.00			
3350	100yr_24hr	Allowed	0.63	15.00			
TH_Basin10	1yr_24hr	Allowed	2.20	15.00			
TH_Basin10	10yr_24hr	Allowed	2.20	15.00			
TH_Basin10	25yr_24hr	Allowed	2.20	15.00			
TH_Basin10	50yr_24hr	Allowed	2.20	15.00			
TH_Basin10	100yr_24hr	Allowed	2.20	15.00			
3354	1yr_24hr	Allowed	2.10	15.00			
3354	10yr_24hr	Allowed	2.10	15.00			
3354	25yr_24hr	Allowed	2.10	15.00			
3354	50yr_24hr	Allowed	2.10	15.00			
3354	100yr_24hr	Allowed	2.10	15.00			
3357	1yr_24hr	Allowed	1.02	15.00			

Talmadge Existing Node Input

Name	Storm	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag		
3357	10yr_24hr	Allowed	1.02	15.00			
3357	25yr_24hr	Allowed	1.02	15.00			
3357	50yr_24hr	Allowed	1.02	15.00			
3357	100yr_24hr	Allowed	1.02	15.00			
3358	1yr_24hr	Allowed	0.65	15.00			
3358	10yr_24hr	Allowed	0.65	15.00			
3358	25yr_24hr	Allowed	0.65	15.00			
3358	50yr_24hr	Allowed	0.65	15.00			
3358	100yr_24hr	Allowed	0.65	15.00			
3386	1yr_24hr	Allowed	1.03	15.00			
3386	10yr_24hr	Allowed	1.03	15.00			
3386	25yr_24hr	Allowed	1.03	15.00			
3386	50yr_24hr	Allowed	1.03	15.00			
3386	100yr_24hr	Allowed	1.03	15.00			
3385	1yr_24hr	Allowed	1.09	15.00			
3385	10yr_24hr	Allowed	1.09	15.00			
3385	25yr_24hr	Allowed	1.09	15.00			
3385	50yr_24hr	Allowed	1.09	15.00			
3385	100yr_24hr	Allowed	1.09	15.00			
TH_Basin9	1yr_24hr	Allowed	0.00	15.00			
TH_Basin9	10yr_24hr	Allowed	0.00	15.00			
TH_Basin9	25yr_24hr	Allowed	0.00	15.00			
TH_Basin9	50yr_24hr	Allowed	0.00	15.00			
TH_Basin9	100yr_24hr	Allowed	0.00	15.00			
RRN	1yr_24hr	Allowed	0.30	15.00			
RRN	10yr_24hr	Allowed	0.30	15.00			
RRN	25yr_24hr	Allowed	0.30	15.00			
RRN	50yr_24hr	Allowed	0.30	15.00			
RRN	100yr_24hr	Allowed	0.30	15.00			
RRS	1yr_24hr	Allowed	0.66	15.00			
RRS	10yr_24hr	Allowed	0.66	15.00			
RRS	25yr_24hr	Allowed	0.66	15.00			
RRS	50yr_24hr	Allowed	0.66	15.00			
RRS	100yr_24hr	Allowed	0.66	15.00			
OUT	1yr_24hr	Allowed	0.66	15.00			
OUT	10yr_24hr	Allowed	0.66	15.00			
OUT	25yr_24hr	Allowed	0.66	15.00			
OUT	50yr_24hr	Allowed	0.66	15.00			
OUT	100yr_24hr	Allowed	0.66	15.00			
2939	1yr_24hr	Allowed	3.00	15.00			
2939	10yr_24hr	Allowed	3.00	15.00			
2939	25yr_24hr	Allowed	3.00	15.00			
2939	50yr_24hr	Allowed	3.00	15.00			
2939	100yr_24hr	Allowed	3.00	15.00			
2937	1yr_24hr	Allowed	3.00	15.00			
2937	10yr_24hr	Allowed	3.00	15.00			
2937	25yr_24hr	Allowed	3.00	15.00			
2937	50yr_24hr	Allowed	3.00	15.00			
2937	100yr_24hr	Allowed	3.00	15.00			
TH_Basin8	1yr_24hr	Allowed	4.95	15.00			
TH_Basin8	10yr_24hr	Allowed	4.95	15.00			

Talmadge Existing Node Input

Name	Storm	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag	
TH_Basin8	25yr_24hr	Allowed	4.95	15.00		
TH_Basin8	50yr_24hr	Allowed	4.95	15.00		
TH_Basin8	100yr_24hr	Allowed	4.95	15.00		
Storage	1yr_24hr	Allowed	1.59	15.00		
Storage	10yr_24hr	Allowed	1.59	15.00		
Storage	25yr_24hr	Allowed	1.59	15.00		
Storage	50yr_24hr	Allowed	1.59	15.00		
Storage	100yr_24hr	Allowed	1.59	15.00		
3385.1	1yr_24hr	None	0.55	15.00		
3385.1	10yr_24hr	None	0.55	15.00		
3385.1	25yr_24hr	None	0.55	15.00		
3385.1	50yr_24hr	None	0.55	15.00		
3385.1	100yr_24hr	None	0.55	15.00		
Node24	1yr_24hr	Allowed	2.63	8.00		
Node24	10yr_24hr	Allowed	2.63	8.00		
Node24	25yr_24hr	Allowed	2.63	8.00		
Node24	50yr_24hr	Allowed	2.63	8.00		
Node24	100yr_24hr	Allowed	2.63	8.00		
Node25	1yr_24hr	Allowed	5.50	9.50		
Node25	10yr_24hr	Allowed	5.50	9.50		
Node25	25yr_24hr	Allowed	5.50	9.50		
Node25	50yr_24hr	Allowed	5.50	9.50		
Node25	100yr_24hr	Allowed	5.50	9.50		
TH_Basin 6	1yr_24hr	Allowed	6.50	10.50		
TH_Basin 6	10yr_24hr	Allowed	6.50	10.50		
TH_Basin 6	25yr_24hr	Allowed	6.50	10.50		
TH_Basin 6	50yr_24hr	Allowed	6.50	10.50		
TH_Basin 6	100yr_24hr	Allowed	6.50	10.50		
Node27	1yr_24hr	Allowed	6.60	10.50		
Node27	10yr_24hr	Allowed	6.60	10.50		
Node27	25yr_24hr	Allowed	6.60	10.50		
Node27	50yr_24hr	Allowed	6.60	10.50		
Node27	100yr_24hr	Allowed	6.60	10.50		
Node28	1yr_24hr	Allowed	7.20	13.20		
Node28	10yr_24hr	Allowed	7.20	13.20		
Node28	25yr_24hr	Allowed	7.20	13.20		
Node28	50yr_24hr	Allowed	7.20	13.20		
Node28	100yr_24hr	Allowed	7.20	13.20		
Node29	1yr_24hr	Allowed	11.40	20.00		
Node29	10yr_24hr	Allowed	11.40	20.00		
Node29	25yr_24hr	Allowed	11.40	20.00		
Node29	50yr_24hr	Allowed	11.40	20.00		
Node29	100yr_24hr	Allowed	11.40	20.00		
Node31	1yr_24hr	Allowed	11.80	15.50		
Node31	10yr_24hr	Allowed	11.80	15.50		
Node31	25yr_24hr	Allowed	11.80	15.50		
Node31	50yr_24hr	Allowed	11.80	15.50		
Node31	100yr_24hr	Allowed	11.80	15.50		
TH_Basin 5	1yr_24hr	Allowed	15.00	18.50		
TH_Basin 5	10yr_24hr	Allowed	15.00	18.50		
TH_Basin 5	25yr_24hr	Allowed	15.00	18.50		

Talmadge Existing Node Input

Name	Storm	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag		
TH_Basin 5	50yr_24hr	Allowed	15.00	18.50			
TH_Basin 5	100yr_24hr	Allowed	15.00	18.50			
Node32	1yr_24hr	Allowed	3.58	9.70			
Node32	10yr_24hr	Allowed	3.58	9.70			
Node32	25yr_24hr	Allowed	3.58	9.70			
Node32	50yr_24hr	Allowed	3.58	9.70			
Node32	100yr_24hr	Allowed	3.58	9.70			
TH_Basin 4	1yr_24hr	Allowed	3.66	9.25			
TH_Basin 4	10yr_24hr	Allowed	3.66	9.25			
TH_Basin 4	25yr_24hr	Allowed	3.66	9.25			
TH_Basin 4	50yr_24hr	Allowed	3.66	9.25			
TH_Basin 4	100yr_24hr	Allowed	3.66	9.25			
TH_Basin 3	1yr_24hr	Allowed	4.30	9.30			
TH_Basin 3	10yr_24hr	Allowed	4.30	9.30			
TH_Basin 3	25yr_24hr	Allowed	4.30	9.30			
TH_Basin 3	50yr_24hr	Allowed	4.30	9.30			
TH_Basin 3	100yr_24hr	Allowed	4.30	9.30			
Node35	1yr_24hr	Allowed	4.35	8.66			
Node35	10yr_24hr	Allowed	4.35	8.66			
Node35	25yr_24hr	Allowed	4.35	8.66			
Node35	50yr_24hr	Allowed	4.35	8.66			
Node35	100yr_24hr	Allowed	4.35	8.66			
Node45	1yr_24hr	Allowed	4.40	9.00			
Node45	10yr_24hr	Allowed	4.40	9.00			
Node45	25yr_24hr	Allowed	4.40	9.00			
Node45	50yr_24hr	Allowed	4.40	9.00			
Node45	100yr_24hr	Allowed	4.40	9.00			
Node28.1	1yr_24hr	Allowed	10.50	16.50			
Node28.1	10yr_24hr	Allowed	10.50	16.50			
Node28.1	25yr_24hr	Allowed	10.50	16.50			
Node28.1	50yr_24hr	Allowed	10.50	16.50			
Node28.1	100yr_24hr	Allowed	10.50	16.50			
Node28.1.1	1yr_24hr	Allowed	10.60	19.25			
Node28.1.1	10yr_24hr	Allowed	10.60	19.25			
Node28.1.1	25yr_24hr	Allowed	10.60	19.25			
Node28.1.1	50yr_24hr	Allowed	10.60	19.25			
Node28.1.1	100yr_24hr	Allowed	10.60	19.25			
Node32.1	1yr_24hr	Allowed	3.53	9.13			
Node32.1	10yr_24hr	Allowed	3.53	9.13			
Node32.1	25yr_24hr	Allowed	3.53	9.13			
Node32.1	50yr_24hr	Allowed	3.53	9.13			
Node32.1	100yr_24hr	Allowed	3.53	9.13			
A6.1	1yr_24hr	None	3.98	15.00			
A6.1	10yr_24hr	None	3.98	15.00			
A6.1	25yr_24hr	None	3.98	15.00			
A6.1	50yr_24hr	None	3.98	15.00			
A6.1	100yr_24hr	None	3.98	15.00			
TH_Basin 7	1yr_24hr	Allowed	11.97	18.00			
TH_Basin 7	10yr_24hr	Allowed	11.97	18.00			
TH_Basin 7	25yr_24hr	Allowed	11.97	18.00			
TH_Basin 7	50yr_24hr	Allowed	11.97	18.00			

Talmadge Existing Node Input

Name	Storm	Ponding Type	Invert Elevation ft	Top of Frame/Bank ft	Storage Node Data Flag		
TH_Basin 7	100yr_24hr	Allowed	11.97	18.00			
Node54	1yr_24hr	Allowed	10.75	18.03			
Node54	10yr_24hr	Allowed	10.75	18.03			
Node54	25yr_24hr	Allowed	10.75	18.03			
Node54	50yr_24hr	Allowed	10.75	18.03			
Node54	100yr_24hr	Allowed	10.75	18.03			
TH_Basin12	1yr_24hr	Allowed	4.41	9.00			
TH_Basin12	10yr_24hr	Allowed	4.41	9.00			
TH_Basin12	25yr_24hr	Allowed	4.41	9.00			
TH_Basin12	50yr_24hr	Allowed	4.41	9.00			
TH_Basin12	100yr_24hr	Allowed	4.41	9.00			
Node46	1yr_24hr	Allowed	4.75	8.66			
Node46	10yr_24hr	Allowed	4.75	8.66			
Node46	25yr_24hr	Allowed	4.75	8.66			
Node46	50yr_24hr	Allowed	4.75	8.66			
Node46	100yr_24hr	Allowed	4.75	8.66			
TH_Basin13	1yr_24hr	Allowed	6.00	9.00			
TH_Basin13	10yr_24hr	Allowed	6.00	9.00			
TH_Basin13	25yr_24hr	Allowed	6.00	9.00			
TH_Basin13	50yr_24hr	Allowed	6.00	9.00			
TH_Basin13	100yr_24hr	Allowed	6.00	9.00			
TH_Basin 2	1yr_24hr	Allowed	4.34	9.15			
TH_Basin 2	10yr_24hr	Allowed	4.34	9.15			
TH_Basin 2	25yr_24hr	Allowed	4.34	9.15			
TH_Basin 2	50yr_24hr	Allowed	4.34	9.15			
TH_Basin 2	100yr_24hr	Allowed	4.34	9.15			
Node49	1yr_24hr	Allowed	7.30	9.77			
Node49	10yr_24hr	Allowed	7.30	9.77			
Node49	25yr_24hr	Allowed	7.30	9.77			
Node49	50yr_24hr	Allowed	7.30	9.77			
Node49	100yr_24hr	Allowed	7.30	9.77			

Talmadge Road Crossings

Name	Storm	Weir Flag	Weir Length ft	Top of Road/Ground ft	Max Flow over Road/Ground cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Hwy 80 ML	1yr_24hr	☒	200.000	13.500	0.000	6.942	6.959
Hwy 80 ML	10yr_24hr				0.000	8.773	8.586
Hwy 80 ML	25yr_24hr				0.000	9.115	8.883
Hwy 80 ML	50yr_24hr				0.000	9.339	9.284
Hwy 80 ML	100yr_24hr				0.000	9.718	9.670
Hwy 80 MR	1yr_24hr	☒	20.000	13.500	0.000	9.064	7.857
Hwy 80 MR	10yr_24hr				0.000	11.499	8.960
Hwy 80 MR	25yr_24hr				0.000	12.285	9.290
Hwy 80 MR	50yr_24hr				0.000	12.742	9.534
Hwy 80 MR	100yr_24hr				0.000	13.114	9.807
L36_Grnd	1yr_24hr	☒	40.000	12.000	0.000	9.565	9.416
L36_Grnd	10yr_24hr				24.816	12.350	12.058
L36_Grnd	25yr_24hr				75.943	12.972	12.878
L36_Grnd	50yr_24hr				91.408	13.446	13.378
L36_Grnd	100yr_24hr				106.639	13.845	13.781
L37.1_Grnd	1yr_24hr	☒	40.000	16.500	0.000	12.756	12.114
L37.1_Grnd	10yr_24hr				0.000	14.226	13.434
L37.1_Grnd	25yr_24hr				0.000	14.664	13.720
L37.1_Grnd	50yr_24hr				0.000	15.122	14.007
L37.1_Grnd	100yr_24hr				0.000	15.702	14.325
L38_Grnd	1yr_24hr	☒	20.000	16.500	0.000	14.018	13.630
L38_Grnd	10yr_24hr				0.000	15.825	15.045
L38_Grnd	25yr_24hr				1.115	16.570	15.541
L38_Grnd	50yr_24hr				25.899	17.071	16.061
L38_Grnd	100yr_24hr				56.906	17.465	16.614
Hwy 80 R	1yr_24hr	☒	200.000	21.490	0.000	13.312	11.769
Hwy 80 R	10yr_24hr				0.000	14.714	12.366
Hwy 80 R	25yr_24hr				0.000	15.188	12.555
Hwy 80 R	50yr_24hr				0.000	15.549	12.697
Hwy 80 R	100yr_24hr				0.000	16.101	12.860
OldLouis_R	1yr_24hr	☒	300.000	8.750	0.000	6.995	6.993
OldLouis_R	10yr_24hr				0.000	8.644	8.733
OldLouis_R	25yr_24hr				-109.291	9.143	9.153
OldLouis_R	50yr_24hr				-156.695	9.373	9.370

Talmadge Road Crossings

Name	Storm	Weir Flag	Weir Length ft	Top of Road/Ground ft	Max Flow over Road/Ground cfs	US Max Water Elevation ft	DS Max Water Elevation ft
OldLouis_R	100yr_24hr				-194.756	9.744	9.742
OldLouis_L	1yr_24hr	☒	300.000	9.560	0.000	7.224	7.007
OldLouis_L	10yr_24hr				0.000	9.469	8.902
OldLouis_L	25yr_24hr				20.053	9.639	9.311
OldLouis_L	50yr_24hr				35.621	9.676	9.432
OldLouis_L	100yr_24hr				51.764	9.743	9.742

Talmadge Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diam. ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
275.1	Proposed	1yr_24hr	☒	4.000	1.000	3.660	3.580
275.1	Proposed	10yr_24hr					
275.1	Proposed	25yr_24hr					
275.1	Proposed	50yr_24hr					
275.1	Proposed	100yr_24hr					
275.1A	Proposed	1yr_24hr	☒	4.000	1.000	3.660	3.580
275.1A	Proposed	10yr_24hr					
275.1A	Proposed	25yr_24hr					
275.1A	Proposed	50yr_24hr					
275.1A	Proposed	100yr_24hr					
Hwy 80 ML	Proposed	10yr_24hr					
Hwy 80 ML	Proposed	25yr_24hr					
Hwy 80 ML	Proposed	50yr_24hr					
Hwy 80 ML	Proposed	100yr_24hr					
261.1	Proposed	1yr_24hr	☒	4.000	1.000	6.500	5.500
261.1	Proposed	10yr_24hr					
261.1	Proposed	25yr_24hr					
261.1	Proposed	50yr_24hr					
261.1	Proposed	100yr_24hr					
Hwy 80 MR	Proposed	10yr_24hr					
Hwy 80 MR	Proposed	25yr_24hr					
Hwy 80 MR	Proposed	50yr_24hr					
Hwy 80 MR	Proposed	100yr_24hr					
265.1	Proposed	1yr_24hr	☒	3.500	1.000	7.200	6.600
265.1	Proposed	10yr_24hr					
265.1	Proposed	25yr_24hr					
265.1	Proposed	50yr_24hr					
265.1	Proposed	100yr_24hr					
265.1A	Proposed	1yr_24hr	☒	3.500	1.000	7.200	6.600
265.1A	Proposed	10yr_24hr					
265.1A	Proposed	25yr_24hr					
265.1A	Proposed	50yr_24hr					
265.1A	Proposed	100yr_24hr					
L36_Grnd	Proposed	10yr_24hr					
L36_Grnd	Proposed	25yr_24hr					
L36_Grnd	Proposed	50yr_24hr					
L36_Grnd	Proposed	100yr_24hr					
303.1	Proposed	1yr_24hr	☒	3.500	1.000	10.600	10.500
303.1	Proposed	10yr_24hr					
303.1	Proposed	25yr_24hr					
303.1	Proposed	50yr_24hr					
303.1	Proposed	100yr_24hr					
303.1A	Proposed	1yr_24hr	☒	3.500	1.000	10.600	10.500
303.1A	Proposed	10yr_24hr					
303.1A	Proposed	25yr_24hr					
303.1A	Proposed	50yr_24hr					
303.1A	Proposed	100yr_24hr					
L37.1_Grnd	Proposed	10yr_24hr					
L37.1_Grnd	Proposed	25yr_24hr					
L37.1_Grnd	Proposed	50yr_24hr					
L37.1_Grnd	Proposed	100yr_24hr					

Talmadge Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diam. ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
269.1	Proposed	1yr_24hr	☒	3.500	1.000	11.800	11.400
269.1	Proposed	10yr_24hr					
269.1	Proposed	25yr_24hr					
269.1	Proposed	50yr_24hr					
269.1	Proposed	100yr_24hr					
269.1A	Proposed	1yr_24hr	☒	3.500	1.000	11.800	11.400
269.1A	Proposed	10yr_24hr					
269.1A	Proposed	25yr_24hr					
269.1A	Proposed	50yr_24hr					
269.1A	Proposed	100yr_24hr					
L38_Grnd	Proposed	10yr_24hr					
L38_Grnd	Proposed	25yr_24hr					
L38_Grnd	Proposed	50yr_24hr					
L38_Grnd	Proposed	100yr_24hr					
Link61_P	Proposed	1yr_24hr	☒	4.000	1.000	11.970	10.750
Link61_P	Proposed	10yr_24hr					
Link61_P	Proposed	25yr_24hr					
Link61_P	Proposed	50yr_24hr					
Link61_P	Proposed	100yr_24hr					
Hwy 80 R	Proposed	10yr_24hr					
Hwy 80 R	Proposed	25yr_24hr					
Hwy 80 R	Proposed	50yr_24hr					
Hwy 80 R	Proposed	100yr_24hr					
HWY80_1	Proposed	1yr_24hr	☒	4.000	1.000	2.260	1.590
HWY80_1	Proposed	10yr_24hr					
HWY80_1	Proposed	25yr_24hr					
HWY80_1	Proposed	50yr_24hr					
HWY80_1	Proposed	100yr_24hr					
HWY80_2	Proposed	1yr_24hr	☒	4.000	1.000	1.100	1.660
HWY80_2	Proposed	10yr_24hr					
HWY80_2	Proposed	25yr_24hr					
HWY80_2	Proposed	50yr_24hr					
HWY80_2	Proposed	100yr_24hr					
D1.1	Proposed	1yr_24hr	☒	5.000	2.000	1.000	1.161
D1.1	Proposed	10yr_24hr					
D1.1	Proposed	25yr_24hr					
D1.1	Proposed	50yr_24hr					
D1.1	Proposed	100yr_24hr					
D1-OVER	Proposed	1yr_24hr	☒	2.000	1.000	8.500	8.500
D1-OVER	Proposed	10yr_24hr					
D1-OVER	Proposed	25yr_24hr					
D1-OVER	Proposed	50yr_24hr					
D1-OVER	Proposed	100yr_24hr					
D2.1	Proposed	1yr_24hr	☒	5.000	2.000	1.090	0.630
D2.1	Proposed	10yr_24hr					
D2.1	Proposed	25yr_24hr					
D2.1	Proposed	50yr_24hr					
D2.1	Proposed	100yr_24hr					
D2-OVER	Proposed	1yr_24hr	☒	2.000	1.000	8.500	8.500
D2-OVER	Proposed	10yr_24hr					
D2-OVER	Proposed	25yr_24hr					

Talmadge Pipe Crossings

Name	Scenario	Storm	Conduit Flag	Diam. ft	No. of Barrels	US Invert Elevation ft	DS Invert Elevation ft
D2-OVER	Proposed	50yr_24hr					
D2-OVER	Proposed	100yr_24hr					
D3.1	Proposed	1yr_24hr	☒	5.000	2.000	2.200	2.100
D3.1	Proposed	10yr_24hr					
D3.1	Proposed	25yr_24hr					
D3.1	Proposed	50yr_24hr					
D3.1	Proposed	100yr_24hr					
D3-OVER	Proposed	1yr_24hr	☒	2.000	1.000	9.480	9.480
D3-OVER	Proposed	10yr_24hr					
D3-OVER	Proposed	25yr_24hr					
D3-OVER	Proposed	50yr_24hr					
D3-OVER	Proposed	100yr_24hr					
D4.1	Proposed	1yr_24hr	☒	5.000	2.000	1.020	0.650
D4.1	Proposed	10yr_24hr					
D4.1	Proposed	25yr_24hr					
D4.1	Proposed	50yr_24hr					
D4.1	Proposed	100yr_24hr					
D4-OVER	Proposed	1yr_24hr	☒	2.000	1.000	8.500	8.500
D4-OVER	Proposed	10yr_24hr					
D4-OVER	Proposed	25yr_24hr					
D4-OVER	Proposed	50yr_24hr					
D4-OVER	Proposed	100yr_24hr					
Link56.1	Proposed	1yr_24hr	☒	2.000	2.000	4.750	4.000
Link56.1	Proposed	10yr_24hr					
Link56.1	Proposed	25yr_24hr					
Link56.1	Proposed	50yr_24hr					
Link56.1	Proposed	100yr_24hr					
OldLouis_R	Proposed	10yr_24hr					
OldLouis_R	Proposed	25yr_24hr					
OldLouis_R	Proposed	50yr_24hr					
OldLouis_R	Proposed	100yr_24hr					
Link55.1	Proposed	1yr_24hr	☒	3.000	2.000	4.410	4.400
Link55.1	Proposed	10yr_24hr					
Link55.1	Proposed	25yr_24hr					
Link55.1	Proposed	50yr_24hr					
Link55.1	Proposed	100yr_24hr					
OldLouis_L	Proposed	10yr_24hr					
OldLouis_L	Proposed	25yr_24hr					
OldLouis_L	Proposed	50yr_24hr					
OldLouis_L	Proposed	100yr_24hr					

Talmadge Road Crossings

Name	Scenario	Storm	Weir Flag	Weir Length ft	Top of Road/Ground ft	Max Flow over Road/Ground cfs	US Max Water Elevation ft	DS Max Water Elevation ft
Hwy 80 ML	Proposed	1yr_24hr	☒	200.000	13.500	0.000	6.906	6.934
Hwy 80 ML	Proposed	10yr_24hr				0.000	8.624	8.473
Hwy 80 ML	Proposed	25yr_24hr				0.000	9.079	8.877
Hwy 80 ML	Proposed	50yr_24hr				0.000	9.335	9.279
Hwy 80 ML	Proposed	100yr_24hr				0.000	9.714	9.665
Hwy 80 MR	Proposed	1yr_24hr	☒	20.000	13.500	0.000	9.064	7.856
Hwy 80 MR	Proposed	10yr_24hr				0.000	11.498	8.957
Hwy 80 MR	Proposed	25yr_24hr				0.000	12.283	9.286
Hwy 80 MR	Proposed	50yr_24hr				0.000	12.741	9.530
Hwy 80 MR	Proposed	100yr_24hr				0.000	13.113	9.802
L36_Grnd	Proposed	1yr_24hr	☒	40.000	12.000	0.000	9.565	9.415
L36_Grnd	Proposed	10yr_24hr				24.788	12.349	12.057
L36_Grnd	Proposed	25yr_24hr				75.942	12.969	12.875
L36_Grnd	Proposed	50yr_24hr				91.573	13.446	13.377
L36_Grnd	Proposed	100yr_24hr				106.233	13.844	13.780
L37.1_Grnd	Proposed	1yr_24hr	☒	40.000	16.500	0.000	12.755	12.114
L37.1_Grnd	Proposed	10yr_24hr				0.000	14.226	13.434
L37.1_Grnd	Proposed	25yr_24hr				0.000	14.664	13.720
L37.1_Grnd	Proposed	50yr_24hr				0.000	15.122	14.007
L37.1_Grnd	Proposed	100yr_24hr				0.000	15.702	14.325
L38_Grnd	Proposed	1yr_24hr	☒	20.000	16.500	0.000	14.018	13.630
L38_Grnd	Proposed	10yr_24hr				0.000	15.825	15.045
L38_Grnd	Proposed	25yr_24hr				1.116	16.570	15.541
L38_Grnd	Proposed	50yr_24hr				25.914	17.071	16.061
L38_Grnd	Proposed	100yr_24hr				56.917	17.465	16.614
Hwy 80 R	Proposed	1yr_24hr	☒	200.000	21.490	0.000	13.312	11.769
Hwy 80 R	Proposed	10yr_24hr				0.000	14.714	12.366
Hwy 80 R	Proposed	25yr_24hr				0.000	15.188	12.555
Hwy 80 R	Proposed	50yr_24hr				0.000	15.549	12.697
Hwy 80 R	Proposed	100yr_24hr				0.000	16.101	12.860
OldLouis_R	Proposed	1yr_24hr	☒	300.000	8.750	0.000	6.940	6.940
OldLouis_R	Proposed	10yr_24hr				0.000	8.697	8.694
OldLouis_R	Proposed	25yr_24hr				-83.511	9.140	9.149
OldLouis_R	Proposed	50yr_24hr				-130.332	9.364	9.362

Talmadge Road Crossings

Name	Scenario	Storm	Weir Flag	Weir Length ft	Top of Road/Ground ft	Max Flow over Road/Ground cfs	US Max Water Elevation ft	DS Max Water Elevation ft
OldLouis_R	Proposed	100yr_24hr				-159.947	9.738	9.736
OldLouis_L	Proposed	1yr_24hr	☒	300.000	9.560	0.000	6.950	6.949
OldLouis_L	Proposed	10yr_24hr				0.000	8.716	8.704
OldLouis_L	Proposed	25yr_24hr				0.000	9.207	9.177
OldLouis_L	Proposed	50yr_24hr				0.000	9.410	9.362
OldLouis_L	Proposed	100yr_24hr				8.265	9.737	9.736