Appendix J
Cost Estimate Details

Jamestown Local Drainage Solutions

Project	Jamestown Master Plan
Project Number	32-1882.00

JAMESTOWN PROPOSED IMPROVEMENTS

Sub Item #	Description	Quantity	Units	Unit Price	Total
PROJECT A					
1	18" FES with trash rack	2	EA	$ 2,500.00	$ 5,000.00
2	Roadside swale with revegetation	150	LF	$ 33.33	$ 5,000.00
3	Concrete forebay sediment trap	1	LS	$ 12,000.00	$ 12,000.00
4	Vegetated filter strip	1	LS	$ 5,000.00	$ 5,000.00
5	Concrete drainage pan	1	LS	$ 5,000.00	$ 5,000.00
6	Grading around inlet	1	LS	$ 5,000.00	$ 6,000.00
				PROJECT A SUBTOTAL	$ 38,000.00
				25% CONTINGENCY	$ 9,500.00
				15% ADDITIONAL CONSTUCTION COST*	$ 5,700.00
				PROJECT A TOTAL**	**$ 53,200.00**
PROJECT B1					
7	Diversion Berm	1	LS	$ 1,500.00	$ 1,500.00
8	Type D inlet	1	EA	$ 5,000.00	$ 5,000.00
9	Type C inlet	1	EA	$ 4,000.00	$ 4,000.00
10	Type R inlet	1	EA	$ 5,000.00	$ 5,000.00
11	24" RCP storm drain	215	LF	$ 200.00	$ 43,000.00
				PROJECT B1 SUBTOTAL	$ 58,500.00
				25% CONTINGENCY	$ 14,625.00
				15% ADDITIONAL CONSTUCTION COST*	$ 8,775.00
				PROJECT B1 TOTAL**	**$ 81,900.00**
PROJECT B2					
12	Concrete drain pan	1	LS	$ 6,000.00	$ 6,000.00
				PROJECT B2 SUBTOTAL	$ 6,000.00
				25% CONTINGENCY	$ 1,500.00
				15% ADDITIONAL CONSTUCTION COST*	$ 900.00
				PROJECT B2 TOTAL**	**$ 8,400.00**
PROJECT C1					
13	Roadside swale grading	1	LS	$ 3,000.00	$ 3,000.00
14	9" riprap rock checks	35	EA	$ 300.00	$ 10,500.00
15	6" riprap swale lining	1	LS	$ 15,000.00	$ 15,000.00
				PROJECT C1 SUBTOTAL	$ 28,500.00
				25% CONTINGENCY	$ 7,125.00
				15% ADDITIONAL CONSTUCTION COST*	$ 4,275.00
				PROJECT C1 TOTAL**	**$ 39,900.00**
PROJECT C2					
16	Grout existing rock wall below outlet pipe	1	LS	$ 12,000.00	$ 12,000.00
17	Concrete drain pan	1	LS	$ 8,000.00	$ 8,000.00
18	Type 13 valley pan inlet	5	EA	$ 4,000.00	$ 20,000.00
19	Type C inlet	1	EA	$ 4,000.00	$ 4,000.00
20	Type D inlet	2	EA	$ 5,000.00	$ 10,000.00
21	Concrete apron for type 13, C, and D inlets	8	EA	$ 1,500.00	$ 12,000.00
22	Riprap protection around inlet	1	LS	$ 3,000.00	$ 3,000.00
23	Riprap rundown	1	LS	$ 1,500.00	$ 1,500.00
24	18" RCP storm drain	766	LF	$ 150.00	$ 114,900.00
25	18" FES with trash rack	3	EA	$ 2,500.00	$ 7,500.00
				PROJECT C2 SUBTOTAL	$ 192,900.00
				25% CONTINGENCY	$ 48,225.00
				15% ADDITIONAL CONSTUCTION COST*	$ 28,935.00
				PROJECT C2 TOTAL**	**$ 270,060.00**
PROJECT C3					
26	Grout existing rock wall below outlet pipe	1	LS	$ 12,000.00	$ 12,000.00
27	Concrete drain pan	1	LS	$ 8,000.00	$ 8,000.00
28	18" CMP FES with trash rack	8	EA	$ 500.00	$ 4,000.00
29	15" PVC storm drain	165	LF	$ 60.00	$ 9,900.00
30	Type 13 valley pan inlet	2	EA	$ 3,000.00	$ 6,000.00
31	Riprap rundown	1	LS	$ 1,500.00	$ 1,500.00
32	Riprap erosion protection	2	EA	$ 3,000.00	$ 6,000.00
33	Relocate roof downspouts	1	LS	$ 1,000.00	$ 1,000.00
				PROJECT C3 SUBTOTAL	$ 48,400.00
				25% CONTINGENCY	$ 12,100.00
				15% ADDITIONAL CONSTUCTION COST*	$ 7,260.00
				PROJECT C3 TOTAL**	**$ 67,760.00**

Jamestown Local Drainage Solutions

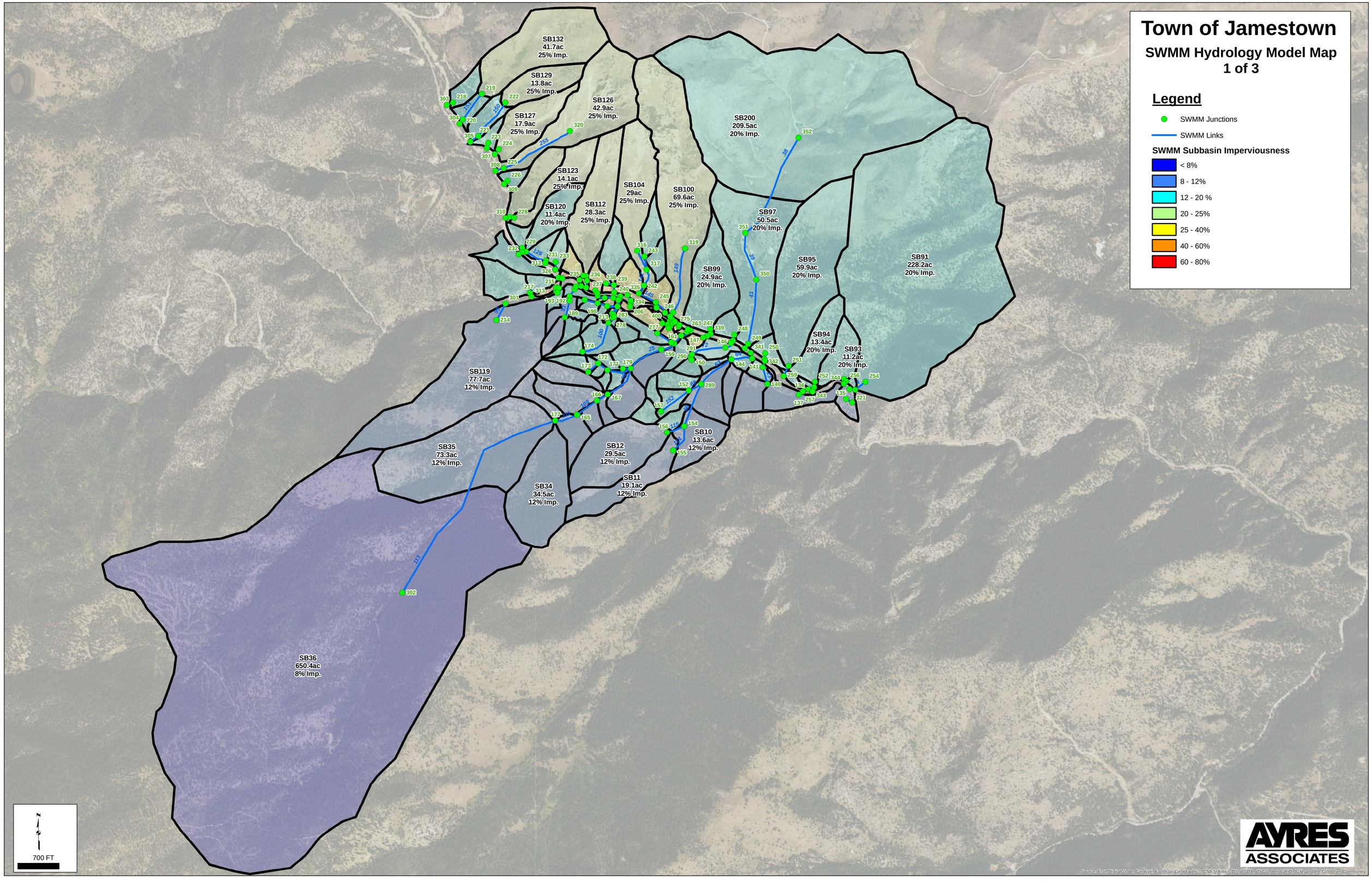
Project	Jamestown Master Plan
Project Number	32-1882.00

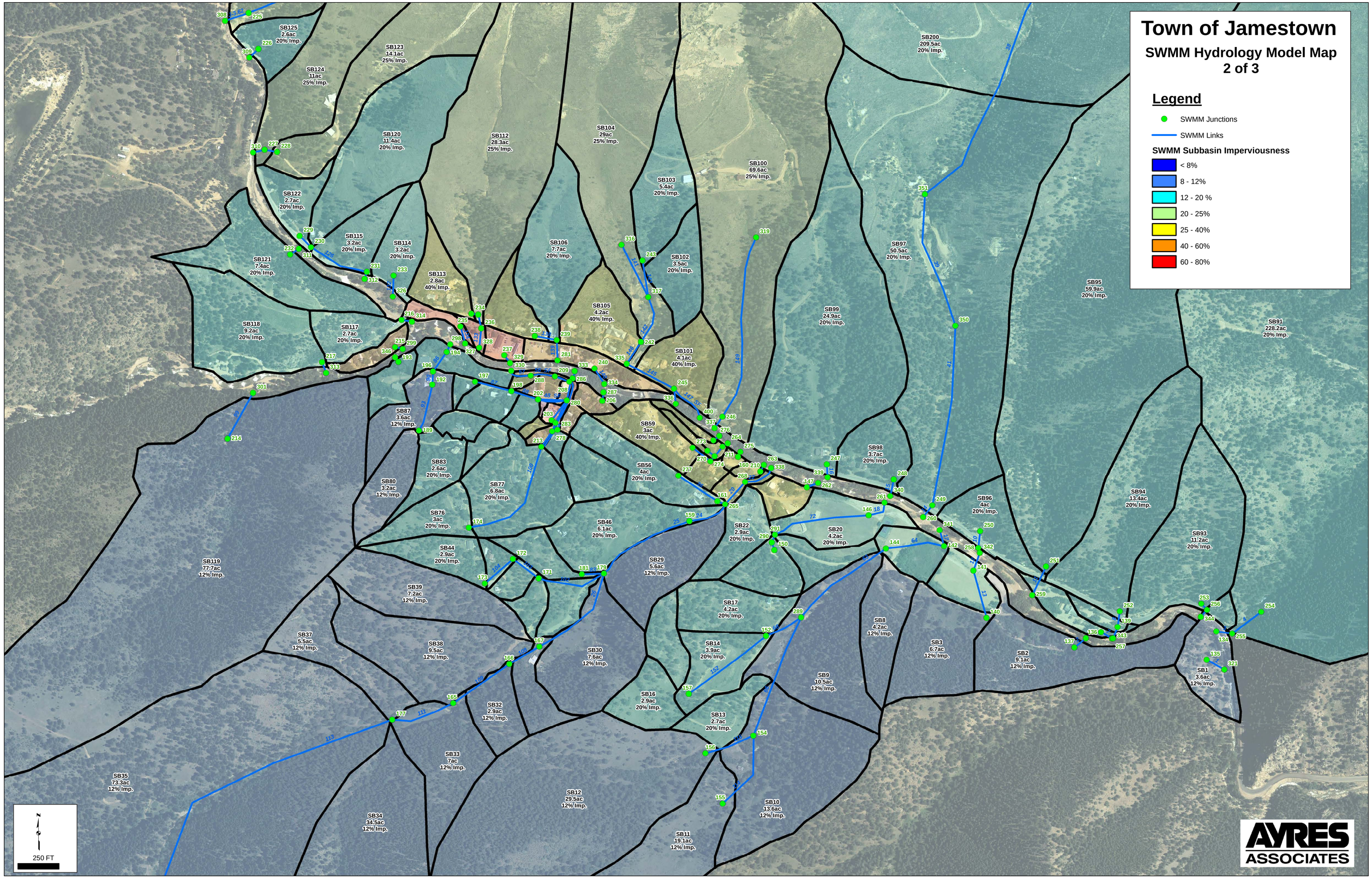
JAMESTOWN PROPOSED IMPROVEMENTS

Sub Item #	Description	Quantity	Units	Unit Price	Total
PROJECT D					
34	Geogrid on High St.	1	LS	$ 10,000.00	$ 10,000.00
35	Type D inlet	1	EA	$ 5,000.00	$ 5,000.00
36	Type C inlet	1	EA	$ 4,000.00	$ 4,000.00
37	Inlet apron	2	EA	$ 1,500.00	$ 3,000.00
38	Swale Grading	1	LS	$ 3,000.00	$ 3,000.00
39	24" RCP storm drain	130	LF	$ 200.00	$ 26,000.00
40	Rolling dip or 18" RCP culvert	1	LS	$ 10,000.00	$ 10,000.00
				PROJECT D SUBTOTAL	$ 61,000.00
				25% CONTINGENCY	$ 15,250.00
				15% ADDITIONAL CONSTUCTION COST*	$ 9,150.00
				PROJECT D TOTAL**	**$ 85,400.00**
PROJECT E					
41	Regrade road	1,640	SY	$ 5.00	$ 8,200.00
42	Regrade swale	1	LS	$ 3,000.00	$ 3,000.00
				PROJECT E SUBTOTAL	$ 11,200.00
				25% CONTINGENCY	$ 2,800.00
				15% ADDITIONAL CONSTUCTION COST*	$ 1,680.00
				PROJECT E TOTAL**	**$ 15,680.00**
PROJECT F					
43	Grade swale to inlet	1	LS	$ 3,000.00	$ 3,000.00
44	Rose M. swale rock checks	16	EA	$ 300.00	$ 4,800.00
				PROJECT F SUBTOTAL	$ 7,800.00
				25% CONTINGENCY	$ 1,950.00
				15% ADDITIONAL CONSTUCTION COST*	$ 1,170.00
				PROJECT F TOTAL**	**$ 10,920.00**
PROJECT G					
45	Line existing channel with impermeable geotextile	385	SY	$ 5.00	$ 1,925.00
46	Remove and reinstall riprap	1	LS	$ 2,000.00	$ 2,000.00
47	24" FES with trash rack	1	EA	$ 3,500.00	$ 3,500.00
				PROJECT G SUBTOTAL	$ 7,425.00
				25% CONTINGENCY	$ 1,856.25
				15% ADDITIONAL CONSTUCTION COST*	$ 1,113.75
				PROJECT G TOTAL**	**$ 10,395.00**
PROJECT H					
48	Regrade road (Spruce St.)	1	LS	$ 5,000.00	$ 5,000.00
				PROJECT H SUBTOTAL	$ 5,000.00
				25% CONTINGENCY	$ 1,250.00
				15% ADDITIONAL CONSTUCTION COST*	$ 750.00
				PROJECT H TOTAL**	**$ 7,000.00**

* Additional construction cost (15%) includes mobilization, dewatering, traffic control, and erosion control.
** Cost estimate does not include engineering, administration, permitting, construction management, and land acquisition.

Appendix K
Hydrology Maps


Town of Jamestown
SWMM Hydrology Model Map
1 of 3
Legend
SWMM Junctions
SWMM Links
SWMM Subbasin Imperviousness
< 8%
8 - 12%
12 - 20 %
20 - 25%
25 - 40%
40 - 60%
60 - 80%
SB132
41.7ac
25% Imp.
SB129
13.8ac
25% Imp.
SB126
42.9ac
25% Imp.
SB127
17.9ac
25% Imp.
SB200
209.5ac
20% Imp.
SB123
14.1ac
25% Imp.
SB104
29ac
25% Imp.
SB100
69.6ac
25% Imp.
SB120
11.4ac
20% Imp.
SB112
28.3ac
25% Imp.
SB97
50.5ac
20% Imp.
SB99
24.9ac
20% Imp.
SB95
59.9ac
20% Imp.
SB91
228.2ac
20% Imp.
SB94
13.4ac
20% Imp.
SB93
11.2ac
20% Imp.
SB119
77.7ac
12% Imp.
SB35
73.3ac
12% Imp.
SB12
29.5ac
12% Imp.
SB10
13.6ac
12% Imp.
SB34
34.5ac
12% Imp.
SB11
19.1ac
12% Imp.
SB36
650.4ac
8% Imp.
700 FT
AYRES ASSOCIATES


Town of Jamestown
SWMM Hydrology Model Map
2 of 3
Legend
SWMM Junctions
SWMM Links
SWMM Subbasin Imperviousness
< 8%
8 - 12%
12 - 20 %
20 - 25%
25 - 40%
40 - 60%
60 - 80%
SB125 2.6ac 20% Imp.
SB124 11ac 25% Imp.
SB123 14.1ac 25% Imp.
SB120 11.4ac 20% Imp.
SB112 28.3ac 25% Imp.
SB104 29ac 25% Imp.
SB200 209.5ac 20% Imp.
SB100 69.6ac 25% Imp.
SB103 5.4ac 20% Imp.
SB122 2.7ac 20% Imp.
SB115 3.2ac 20% Imp.
SB114 3.2ac 20% Imp.
SB121 7.4ac 20% Imp.
SB113 2.8ac 40% Imp.
SB106 7.7ac 20% Imp.
SB102 3.5ac 20% Imp.
SB97 50.5ac 20% Imp.
SB95 59.9ac 20% Imp.
SB118 9.2ac 20% Imp.
SB117 2.7ac 20% Imp.
SB105 4.2ac 40% Imp.
SB99 24.9ac 20% Imp.
SB91 228.2ac 20% Imp.
SB101 4.1ac 40% Imp.
SB87 3.6ac 12% Imp.
SB59 3ac 40% Imp.
SB98 3.7ac 20% Imp.
SB83 2.6ac 20% Imp.
SB56 4ac 20% Imp.
SB80 3.2ac 12% Imp.
SB77 6.8ac 20% Imp.
SB96 4ac 20% Imp.
SB94 13.4ac 20% Imp.
SB76 3ac 20% Imp.
SB46 6.1ac 20% Imp.
SB22 2.9ac 20% Imp.
SB20 4.2ac 20% Imp.
SB93 11.2ac 20% Imp.
SB44 2.9ac 20% Imp.
SB119 77.7ac 12% Imp.
SB29 5.6ac 12% Imp.
SB39 7.2ac 12% Imp.
SB17 4.2ac 20% Imp.
SB8 4.2ac 12% Imp.
SB37 5.5ac 12% Imp.
SB38 9.5ac 12% Imp.
SB30 7.6ac 12% Imp.
SB14 3.9ac 20% Imp.
SB3 6.7ac 12% Imp.
SB2 9.1ac 12% Imp.
SB9 10.5ac 12% Imp.
SB1 3.6ac 12% Imp.
SB16 2.9ac 20% Imp.
SB32 2.9ac 12% Imp.
SB13 2.7ac 20% Imp.
SB33 7ac 12% Imp.
SB35 73.3ac 12% Imp.
SB12 29.5ac 12% Imp.
SB10 13.6ac 12% Imp.
SB34 34.5ac 12% Imp.
SB11 19.1ac 12% Imp.
N
250 FT
AYRES ASSOCIATES

Town of Jamestown

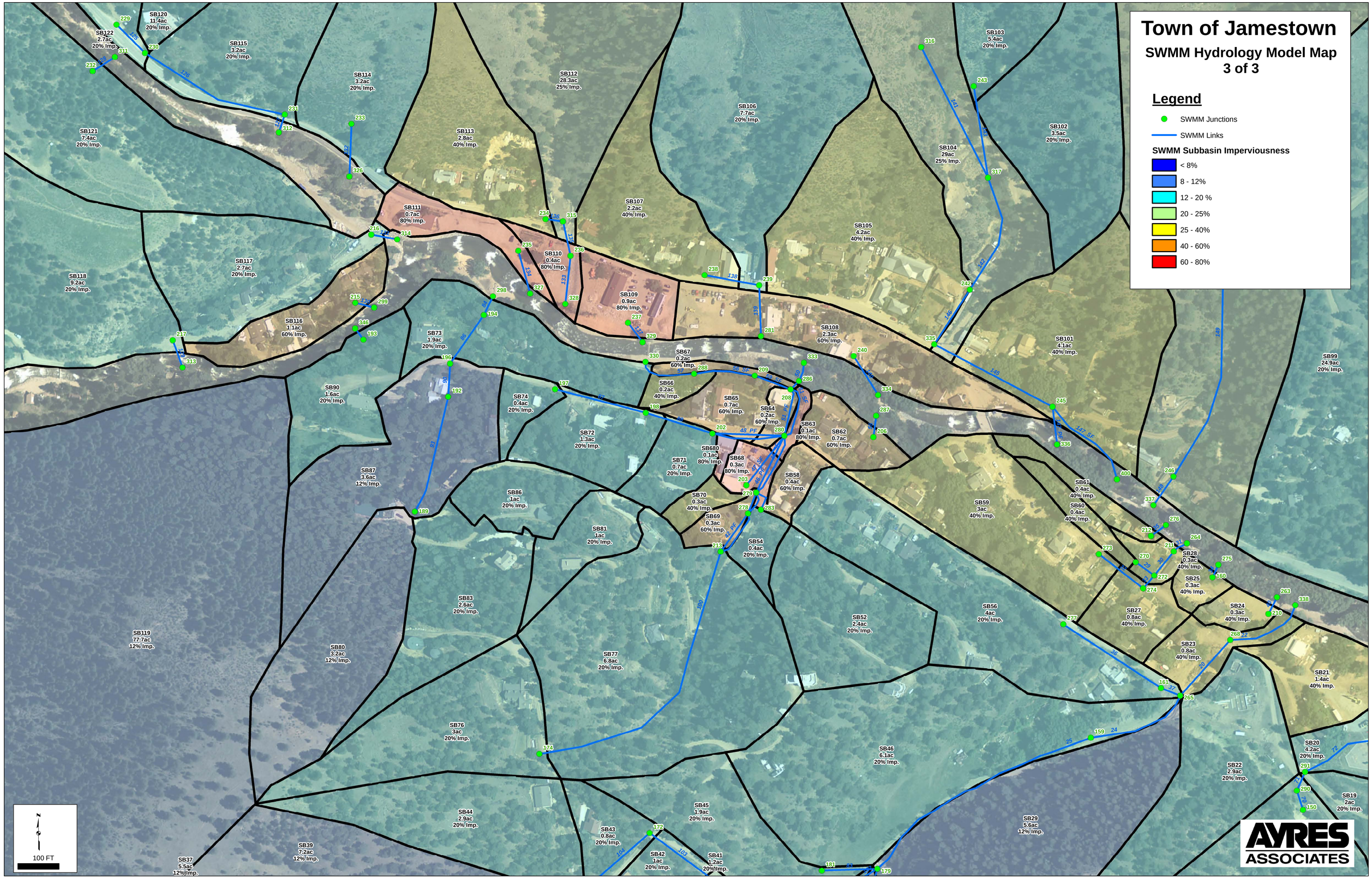
SWMM Hydrology Model Map
3 of 3

Legend

- SWMM Junctions
- SWMM Links

SWMM Subbasin Imperviousness

- < 8%
- 8 - 12%
- 12 - 20 %
- 20 - 25%
- 25 - 40%
- 40 - 60%
- 60 - 80%



Appendix L
Hydrology Parameters and Results

Flow Rate Summary Table

Town of Jamestown - Stormwater Management Master Plan

No.	Location	Project Page	SWMM Element	Subbasin/ Junction	SWMM Discharge Results (cfs)				
					100-yr	50-yr	25-yr	10-yr	2-yr
1	Drainage Crossing - 200' Upstream of Main St./ Ward Drive Intersection	Project A	233	Junction	10	6	3	2	1
2	Howlett Gulch	Project A	315	Junction	76	52	38	29	17
3	Behind Town Hall and Mercantile Bldg.	Project B	106	Subbbasin	22	13	7	6	3
4	In front of Town Hall and Mercantile Bldg.	Project B	239	Junction	30	18	11	9	5
5	16th Street - by propane tank (Upstream end of storm system)	Project C	213	Junction	25	12	9	6	4
6	16th Street - South of School	Project C	279	Junction	20	13	10	7	4
7	16th Street and Mesa Street	Project C	280	Junction	36	22	14	11	6
8	16th Street at Pipe Outfall	Project C	208	Junction	35	20	15	11	6
9	16th Street and Spruce Street - SE Inlet	Project C	283	Junction	1.6	0.7	0.4	0.3	0.2
10	Mesa Street - NW of School	Project C	202	Junction	15	8	3	2	1
11	16th Street - Swale at James Creek	Project C	330	Junction	5	4	3	2	1
12	High Street - Behind Fire Department	Project D	242	Junction	95	59	42	32	18
13	Main Street - in front of Fire Department	Project D	335	Junction	107	66	49	37	20
14	James Canyon Drive - at Exist. 18" Culvert	Project D	245	Junction	119	72	55	41	21
15	Main Street (west of 12th St.) - Storm system Inlet	Project E	273	Junction	10	7	6	4	3
16	Main Street (west of 12th St.) - Storm system Junction/ Inlet	Project E	274	Junction	13	9	7	5	3
17	Main Street (west of 12th St.) - Storm system outlet/ outfall swale)	Project E	272	Junction	16	10	8	6	4
18	Mesa Street flows at 12th Street (west side only)	Project F	161	Junction	18	9	4	3	2
19	Gillespie Gulch at Mesa Street	Project F	265	Junction	846	455	251	171	86
20	Rose M Rd. - swale above Cemetery Rd	Project F	150	Junction	7	4	2	2	1
21	Buffalo Gulch - culvert at James Canyon Drive	Project G	251	Junction	139	89	57	43	25

Subbasin Peak Flow Summary Table					
Subbasin	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
1	9.0	4.8	2.1	1.6	0.9
2	21.9	10.8	5.2	4.0	2.4
3	19.8	11.5	5.0	3.0	1.8
4	3.4	1.8	1.5	1.2	0.7
5	1.7	0.8	0.7	0.5	0.3
6	4.9	2.7	2.3	1.7	1.0
7	4.7	2.6	2.2	1.7	1.0
8	12.4	7.1	3.0	1.8	1.1
9	21.4	10.3	6.0	4.6	2.7
10	26.3	12.4	7.7	5.9	3.5
11	37.2	18.2	10.9	8.4	5.0
12	53.3	25.7	16.8	12.9	7.7
13	6.6	3.2	2.5	2.0	1.2
14	9.9	4.8	3.7	2.9	1.7
15	5.8	3.1	2.1	1.6	1.0
16	8.2	4.3	2.8	2.1	1.3
17	10.8	5.4	4.0	3.1	1.8
18	6.8	3.5	2.3	1.8	1.1
19	4.4	2.3	1.9	1.5	0.9
20	6.4	4.8	4.0	3.1	1.8
21	4.2	3.1	2.6	2.0	1.2
22	7.2	3.5	2.7	2.1	1.3
23	3.0	1.7	1.4	1.1	0.7
24	1.5	0.8	0.6	0.5	0.3
25	1.3	0.7	0.5	0.4	0.2
27	3.4	2.0	1.5	1.2	0.7
28	1.3	0.7	0.6	0.4	0.3
29	14.7	7.3	3.2	2.5	1.5
30	18.9	9.5	4.3	3.4	2.0
31	6.0	3.0	1.3	1.0	0.6
32	7.6	3.8	1.7	1.3	0.8
33	17.0	8.2	4.0	3.1	1.8
34	68.4	36.1	19.6	15.1	8.9
35	107.8	57.3	41.4	31.8	18.6
36	623.4	342.0	242.6	185.2	106.7
37	11.7	5.0	3.1	2.4	1.4
38	20.0	8.6	5.4	4.2	2.5
39	14.2	6.1	4.1	3.2	1.9
40	5.6	2.8	1.7	1.3	0.8
41	3.4	1.8	1.1	0.9	0.5
42	2.9	1.5	0.9	0.7	0.4
43	2.7	1.3	0.8	0.6	0.4
44	7.2	3.5	2.7	2.1	1.3
45	4.9	2.4	1.8	1.4	0.8

Subbasin Peak Flow Summary Table					
Subbasin	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
46	16.3	7.9	5.8	4.5	2.7
52	7.6	3.8	2.2	1.7	1.0
54	1.6	0.7	0.4	0.3	0.2
56	17.8	9.5	4.3	3.3	2.0
58	2.0	1.3	1.1	0.8	0.5
59	10.5	6.8	5.6	4.3	2.6
60	1.4	0.9	0.7	0.6	0.3
61	1.6	1.0	0.9	0.7	0.4
62	5.8	4.4	2.8	2.0	1.2
63	0.9	0.7	0.5	0.4	0.2
64	1.1	0.7	0.6	0.5	0.3
65	3.5	2.4	1.9	1.5	0.9
66	1.3	0.7	0.5	0.4	0.2
67	1.1	0.7	0.5	0.4	0.3
68	2.1	1.6	1.3	1.0	0.6
69	1.7	1.1	0.9	0.7	0.4
70	1.4	0.7	0.5	0.4	0.2
71	5.8	3.5	1.4	0.7	0.4
72	8.7	4.6	1.8	1.1	0.7
73	6.8	3.1	1.8	1.4	0.8
74	1.6	0.7	0.4	0.3	0.2
76	7.9	4.2	2.8	2.2	1.3
77	17.3	8.6	6.5	5.0	3.0
80	9.5	5.4	2.3	1.4	0.9
81	3.3	1.6	0.9	0.7	0.4
83	10.4	6.0	2.7	1.9	1.1
86	4.1	1.8	1.0	0.7	0.4
87	11.4	6.4	2.7	1.6	0.9
90	6.3	3.2	1.5	1.2	0.7
91	414.3	292.5	207.9	155.1	85.5
92	2.4	1.1	0.5	0.4	0.3
93	35.3	21.8	11.2	8.2	4.8
94	38.3	24.1	13.3	9.8	5.8
95	139.3	89.4	57.3	42.9	24.9
96	10.4	5.4	3.8	2.9	1.7
97	118.5	72.0	47.6	36.5	21.4
98	10.2	5.3	3.5	2.7	1.6
99	51.1	29.3	23.5	18.1	10.7
100	158.5	111.8	80.4	61.1	34.7
101	18.2	10.8	7.8	6.0	3.6
102	14.3	8.3	3.8	2.6	1.5
103	15.8	8.4	5.1	4.0	2.4
104	70.9	48.4	34.0	26.0	15.1
105	18.5	11.2	8.1	6.2	3.7

Subbasin Peak Flow Summary Table					
Subbasin	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
106	21.9	12.6	7.3	5.6	3.4
107	8.8	5.3	4.1	3.1	1.9
108	11.2	7.7	6.4	5.0	2.9
109	5.3	4.2	3.5	2.7	1.5
110	2.6	2.0	1.7	1.3	0.8
111	4.5	3.3	2.8	2.1	1.3
112	63.8	43.9	33.1	25.3	14.7
113	12.1	7.7	5.2	4.0	2.4
114	10.0	5.5	3.1	2.4	1.4
115	8.0	3.7	3.0	2.3	1.4
116	4.4	3.6	3.0	2.2	1.3
117	8.7	5.0	2.6	2.0	1.2
118	21.3	11.4	8.7	6.7	4.0
119	96.8	57.6	43.6	33.3	19.3
120	22.6	13.4	10.8	8.3	4.9
121	15.8	8.8	7.0	5.4	3.2
122	5.9	3.1	2.6	2.0	1.2
123	34.4	22.6	16.7	12.8	7.5
124	27.7	17.2	13.1	10.0	5.9
125	6.6	3.0	2.5	1.9	1.2
126	127.1	83.9	51.5	38.8	22.8
127	55.1	35.4	21.3	16.3	9.6
128	7.0	3.3	2.7	2.1	1.2
129	44.4	29.0	16.9	12.5	7.4
130	15.2	7.8	5.8	4.5	2.7
131	9.2	4.5	3.7	2.9	1.7
132	114.0	77.5	49.9	37.4	21.7
133	12.9	7.1	4.5	3.5	2.1
200	397.6	267.1	193.8	147.4	83.9
680	0.5	0.4	0.3	0.2	0.1

Junction Peak Flow Summary Table					
Junctions	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
134	383.0	279.3	203.8	152.1	82.8
135	9.0	4.8	2.1	1.6	0.9
136	64.7	61.7	55.9	59.0	19.2
137	21.9	10.8	5.2	4.0	2.4
138	3.4	1.8	1.5	1.2	0.7
139	39.8	24.8	13.9	10.3	6.1
140	19.8	11.5	5.0	3.0	1.8
141	24.1	12.2	5.8	4.4	2.4
142	174.6	87.9	49.5	34.6	17.3
144	174.7	87.7	52.4	38.4	19.9
146	11.5	6.5	5.3	3.9	2.1
147	4.2	3.1	2.6	2.0	1.2
150	6.8	3.5	2.3	1.8	1.1
152	23.6	11.8	8.6	6.6	3.9
154	114.7	55.6	35.3	27.1	16.0
155	37.2	18.2	10.9	8.4	5.0
156	53.3	25.7	16.8	12.9	7.7
157	13.9	7.4	4.8	3.7	2.2
159	837.5	449.6	248.5	170.2	85.5
160	1.3	0.7	0.5	0.4	0.2
161	17.6	9.3	4.3	3.3	2.0
165	773.2	413.8	235.6	162.3	83.1
166	776.7	415.8	235.9	162.5	82.9
167	803.1	430.0	241.2	166.6	84.2
171	12.1	6.0	4.4	3.4	2.0
172	9.5	4.7	3.5	2.7	1.6
173	7.2	3.5	2.7	2.1	1.3
174	7.9	4.2	2.8	2.2	1.3
177	771.4	417.6	278.8	204.5	101.8
179	824.7	442.8	246.7	170.8	85.8
181	4.9	2.4	1.8	1.4	0.8
189	19.5	10.6	4.7	3.3	2.0
192	30.0	16.9	7.3	4.9	2.9
193	6.3	3.2	1.5	1.2	0.7
194	29.0	16.7	7.2	4.9	2.9
196	29.1	16.7	7.2	4.9	2.9
197	1.6	0.7	0.4	0.3	0.2
198	10.0	5.1	2.0	1.4	0.8
202	15.2	8.0	3.4	2.3	1.4
203	1.4	0.7	0.5	0.4	0.2
206	5.8	4.4	2.8	2.0	1.2
208	35.3	20.3	14.9	11.0	6.1
209	3.5	2.4	1.9	1.5	0.9
210	1.5	0.8	0.6	0.5	0.3

Junction Peak Flow Summary Table					
Junctions	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
211	15.8	10.2	8.4	6.5	3.8
212	1.6	1.0	0.9	0.7	0.4
213	24.8	12.0	8.6	6.4	3.6
214	96.8	57.6	43.6	33.3	19.3
215	4.4	3.6	3.0	2.2	1.3
216	8.7	5.0	2.6	2.0	1.2
217	21.3	11.4	8.7	6.7	4.0
218	12.9	7.1	4.5	3.5	2.1
219	114.0	77.5	49.9	37.4	21.7
220	117.5	73.0	51.1	38.5	21.1
221	55.8	33.1	22.0	16.8	9.7
222	44.4	29.0	16.9	12.5	7.4
223	7.0	3.3	2.7	2.1	1.2
224	55.1	35.4	21.3	16.3	9.6
225	119.4	75.5	49.8	37.7	21.7
226	6.6	3.0	2.5	1.9	1.2
227	62.1	39.6	29.7	22.8	13.4
228	34.4	22.6	16.7	12.8	7.5
229	5.9	3.1	2.6	2.0	1.2
230	28.5	16.5	13.4	10.3	6.1
231	35.6	19.8	16.3	12.5	7.4
232	15.8	8.8	7.0	5.4	3.2
233	10.0	5.5	3.1	2.4	1.4
234	12.1	7.7	5.2	4.0	2.4
235	4.5	3.3	2.8	2.1	1.3
236	76.2	51.5	38.4	29.4	17.1
237	5.3	4.2	3.5	2.7	1.5
238	8.8	5.3	4.1	3.1	1.9
239	29.9	17.7	11.4	8.8	5.2
240	11.2	7.7	6.4	5.0	2.9
242	95.3	58.5	41.7	31.7	18.0
243	15.8	8.4	5.1	4.0	2.4
245	119.1	71.9	54.7	40.6	21.4
246	153.5	104.6	78.5	59.1	32.6
247	51.1	29.3	23.5	18.1	10.7
248	10.2	5.3	3.5	2.7	1.6
249	472.8	285.8	197.3	141.1	73.0
250	10.4	5.4	3.8	2.9	1.7
251	139.3	89.4	57.3	42.9	24.9
252	38.3	24.1	13.3	9.8	5.8
253	35.3	21.8	11.2	8.2	4.8
254	414.3	292.5	207.9	155.1	85.5
255	414.6	291.0	207.4	154.9	85.2
256	34.8	21.3	11.0	8.2	4.8

Junction Peak Flow Summary Table					
Junctions	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
257	3.2	1.8	1.5	1.1	0.7
258	19.0	17.7	18.8	51.9	17.7
259	139.0	88.7	57.0	42.8	24.8
260	472.3	285.3	195.8	139.0	71.4
261	9.8	4.6	3.4	2.2	1.0
262	4.1	3.1	2.6	2.0	1.2
263	1.5	0.8	0.6	0.5	0.3
264	15.7	10.2	8.4	6.5	3.8
265	846.4	455.1	250.7	170.5	85.7
268	850.9	457.6	252.0	170.8	85.5
270	1.4	0.9	0.7	0.6	0.3
272	15.8	10.2	8.4	6.5	3.8
273	10.5	6.8	5.6	4.3	2.6
274	13.3	8.7	7.1	5.5	3.3
275	1.3	0.7	0.5	0.4	0.2
276	1.5	1.0	0.9	0.7	0.4
277	17.8	9.5	4.3	3.3	2.0
278	19.2	12.6	9.4	7.1	4.0
279	20.1	13.3	9.8	7.3	4.1
280	36.0	22.1	14.3	10.6	5.9
281	28.7	16.8	11.4	8.8	5.2
283	1.6	0.7	0.4	0.3	0.2
286	35.7	20.5	15.4	11.4	6.4
287	21.7	32.2	15.7	20.2	19.4
288	5.6	3.6	2.9	2.2	1.3
289	165.7	81.8	53.1	39.5	21.0
290	6.8	3.5	2.3	1.8	1.1
291	6.8	3.5	2.3	1.8	1.1
298	34.6	19.6	8.1	6.3	3.7
299	4.4	3.5	2.9	2.2	1.3
301	95.7	56.2	43.4	33.1	19.0
302	623.4	342.0	242.6	185.2	106.7
303	12.8	7.0	4.5	3.5	2.1
304	116.2	70.6	49.3	36.5	19.5
305	54.9	31.6	21.2	15.9	8.7
306	7.0	3.3	2.7	2.1	1.2
307	55.2	35.4	21.3	16.3	9.6
308	109.1	66.5	37.0	22.6	10.7
309	6.5	3.0	7.0	6.3	7.6
310	62.0	39.5	29.7	22.8	13.4
311	36.3	34.7	42.6	33.0	3.8
312	35.3	19.6	16.3	12.5	7.3
313	21.1	10.9	8.7	6.7	4.0
314	8.6	4.9	2.6	2.0	1.2

Junction Peak Flow Summary Table					
Junctions	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
315	75.8	51.5	38.4	29.4	17.1
316	70.9	48.4	34.0	26.0	15.1
317	97.8	62.0	42.3	32.3	18.7
319	158.5	111.8	80.4	61.1	34.7
320	127.1	83.9	51.5	38.8	22.8
321	48.3	125.8	125.8	112.7	111.6
326	9.8	5.5	3.1	2.4	1.4
327	5.7	3.3	2.8	2.1	1.3
328	78.0	52.9	39.9	30.5	17.7
329	5.2	7.1	3.5	6.9	6.7
330	5.3	3.5	2.9	2.2	1.3
333	35.6	20.5	15.4	11.4	6.4
334	10.4	7.7	6.4	4.9	2.9
335	107.1	65.7	48.9	36.9	20.3
336	17.0	16.8	16.6	16.5	16.1
337	144.8	88.8	64.0	43.2	21.3
338	850.9	457.6	252.0	170.8	85.5
339	51.1	29.3	23.5	18.1	10.7
340	10.2	5.3	3.5	2.7	1.6
341	173.9	87.7	48.7	33.7	16.7
342	20.4	10.5	4.9	2.3	1.1
343	39.7	24.5	13.8	10.3	6.1
344	33.1	20.1	10.7	8.1	4.7
346	6.2	35.9	2.3	2.9	6.5
350	375.4	232.0	176.1	130.2	68.2
351	385.3	248.1	189.2	143.4	79.4
352	397.6	267.1	193.8	147.4	83.9
400	101.4	55.0	37.6	23.7	5.1

Link Peak Flow Summary Table					
Links	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
1	9.0	4.8	2.1	1.6	1.5
2	64.7	61.7	55.9	4.0	19.2
3	383.0	279.3	203.8	152.1	82.8
4	412.9	289.9	206.9	154.5	84.9
5	34.8	21.3	11.0	8.2	4.8
6	33.1	20.1	10.7	8.1	4.7
7	3.2	1.8	1.5	1.1	0.7
8	38.2	24.0	13.2	9.8	5.8
9	39.7	24.5	13.8	10.3	6.1
10	19.0	17.7	18.8	19.3	17.7
11	139.0	88.7	57.0	42.8	24.8
12	20.4	10.5	4.9	2.3	1.1
13	19.2	10.8	4.8	2.6	1.4
14	472.3	285.3	195.8	139.0	71.4
15	10.2	5.3	3.5	2.7	1.6
16	51.1	29.3	23.5	18.1	10.7
17	173.9	87.7	48.7	33.7	16.7
18	9.8	4.6	3.4	2.2	1.0
19	4.1	3.1	2.6	2.0	1.2
20	846.3	455.0	250.3	170.0	85.1
22	850.9	457.6	252.0	170.8	85.5
24	837.3	449.4	247.6	169.0	84.9
25	824.2	442.2	244.2	168.0	84.5
26	802.9	429.8	240.4	166.1	84.0
29	1.4	0.9	0.7	0.6	0.3
30	15.8	10.2	8.4	6.5	3.8
31	15.7	10.2	8.4	6.5	3.8
32	10.1	6.7	5.6	4.3	2.5
33	13.3	8.7	7.1	5.5	3.2
34	1.3	0.7	0.5	0.4	0.2
35	1.5	1.0	0.9	0.7	0.4
36	17.6	9.3	4.3	3.3	2.0
37	17.6	9.2	4.3	3.3	2.0
38	385.3	248.1	189.2	143.4	79.4
39	375.4	232.0	176.1	130.2	68.2
40	1.5	0.8	0.6	0.5	0.3
41	371.4	225.0	167.8	121.0	63.0
42_PF	16.6	12.0	8.6	6.4	3.6
42_SF	2.1	0.0	0.0	0.0	0.0
43_PF	19.2	12.6	9.4	7.0	4.0
43_SF	0.0	0.0	0.0	0.0	0.0
44_PF	1.5	0.7	0.4	0.3	0.2
46_PF	19.4	13.2	9.8	7.3	4.1
46_SF	1.2	0.0	0.0	0.0	0.0

Link Peak Flow Summary Table					
Links	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
47_SF	1.0	0.6	0.3	0.2	0.1
48_PF	1.4	1.4	1.4	1.3	1.3
48_SF	13.4	6.5	1.8	0.9	0.0
49_PF	35.2	20.2	14.9	11.0	6.1
50	35.6	20.5	15.4	11.4	6.4
51_PF	15.7	15.5	14.3	10.6	5.9
51_SF	18.9	4.4	0.0	0.0	0.0
55	21.7	32.2	15.7	29.9	30.8
56_SF	3.3	2.3	1.9	1.4	0.9
57	5.3	3.5	2.9	2.2	1.3
59_SF	0.0	0.0	0.0	0.0	0.0
63	161.5	80.9	49.1	36.4	18.8
64	171.4	86.8	48.5	33.8	17.0
66	108.2	54.4	32.5	24.0	12.6
68	23.1	11.3	8.5	6.5	3.9
70	6.8	3.5	2.3	1.8	1.1
71	6.8	3.5	2.3	1.8	1.1
72	5.4	2.7	1.4	0.9	0.5
83	4.9	2.4	1.8	1.4	0.8
84	29.0	16.7	7.2	4.9	2.9
85	6.2	35.9	2.5	3.0	6.5
86	29.0	16.7	7.2	4.9	2.9
87	1.4	0.7	0.4	0.3	0.2
88	9.3	4.7	1.9	1.4	0.8
90	29.1	16.7	7.2	4.9	2.9
93	18.9	10.6	4.6	3.3	2.0
99	95.7	56.2	43.4	33.1	19.0
100	7.5	3.6	2.2	1.5	0.7
102	11.9	5.8	4.4	3.4	2.0
103	9.4	4.6	3.5	2.7	1.6
104	7.1	3.4	2.7	2.1	1.3
108	776.6	415.7	235.4	162.2	82.7
109	773.1	413.7	235.1	161.9	82.7
111	764.0	408.4	233.6	160.8	82.5
113	616.8	326.7	217.1	160.9	82.3
114	36.3	17.8	10.8	8.3	4.9
115	52.5	25.5	16.8	12.9	7.6
116	12.8	7.0	4.5	3.5	2.1
117	116.2	70.6	49.3	36.5	19.5
118	54.9	31.6	21.2	15.9	8.7
122	6.5	3.0	7.0	6.3	7.6
124	34.4	22.5	16.6	12.8	7.5
125	5.9	3.1	2.6	2.0	1.2
126	27.8	16.1	13.3	10.2	6.0

Link Peak Flow Summary Table					
Links	SWMM Results - Peak Discharge (cfs)				
	100-yr	50-yr	25-yr	10-yr	2-yr
127	35.3	19.6	16.3	12.5	7.3
128	36.3	34.7	42.6	27.8	3.8
129	21.1	10.9	8.7	6.7	4.0
130	4.4	3.5	2.9	2.2	1.3
131	8.6	4.9	2.6	2.0	1.2
132	9.8	5.5	3.1	2.4	1.4
133	75.7	51.1	38.3	29.3	17.0
134	5.7	3.3	2.8	2.1	1.3
135	76.2	51.5	38.4	29.4	17.1
136	12.0	7.7	5.2	4.0	2.4
137	5.2	7.1	3.5	6.9	6.7
138	8.5	5.2	4.1	3.1	1.9
139	28.7	16.8	11.4	8.8	5.2
140	10.4	7.7	6.4	4.9	2.9
141	70.3	47.0	33.9	25.8	14.9
142	95.3	58.5	41.7	31.7	18.0
143	15.3	8.2	5.1	4.0	2.4
145	106.5	64.5	47.5	35.5	19.2
146	94.7	57.4	41.3	31.2	17.5
147_PF	17.0	16.8	16.6	16.5	16.1
148	144.8	88.8	64.0	43.2	21.3
149	153.5	104.6	78.5	59.1	32.6
150	41.2	26.2	16.3	12.3	7.1
151	108.5	69.7	47.7	35.8	19.8
152	13.7	7.1	4.8	3.7	2.2
255	119.4	75.5	49.8	37.7	21.7
J-3.48	62.0	39.5	29.7	22.8	13.4
J-3.62	109.1	66.5	37.0	22.6	10.7
J-3.68	55.2	35.4	21.3	16.3	9.6
J-3.74	7.0	3.3	2.7	2.1	1.2
147_SF	101.4	55.0	37.6	23.7	5.1

Subcatchment Input Values

Jamestown SWMM Model

Name	Rain Gage	Outlet	Area	%Imperv	Width	%Slope	CurbLen	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	RouteTo	MaxRate	MinRate	Decay	DryTime	MaxInfil
1	R1	135	3.59	12	244	21	0	0.02	0.05	0.1	0.4	0	OUTLET	3.5	0.6	6.48	7	0
2	R1	137	9.09	12	500	44	0	0.02	0.05	0.1	0.4	0	OUTLET	3.8	0.7	6.48	7	0
3	R1	140	6.72	12	500	44	0	0.02	0.05	0.1	0.4	0	OUTLET	3.2	0.6	6.48	7	0
4	R1	138	1.57	20	343	10	0	0.02	0.05	0.1	0.4	0	OUTLET	5	1	6.48	7	0
5	R1	139	0.73	20	158	15	0	0.02	0.05	0.1	0.4	0	OUTLET	4.9	1	6.48	7	0
6	R1	141	2.38	20	460	8	0	0.02	0.05	0.1	0.4	0	OUTLET	5	1	6.48	7	0
7	R1	142	2.27	20	450	8	0	0.02	0.05	0.1	0.4	0	OUTLET	5	1	6.48	7	0
8	R1	144	4.2	12	366	42	0	0.02	0.05	0.1	0.4	0	OUTLET	3.4	0.6	6.48	7	0
9	R1	289	10.47	12	422	29	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
10	R1	154	13.56	12	500	30	0	0.02	0.05	0.1	0.4	0	OUTLET	4	0.6	6.48	7	0
11	R1	155	19.06	12	639	31	0	0.02	0.05	0.1	0.4	0	OUTLET	3.8	0.6	6.48	7	0
12	R1	156	29.5	12	918	28	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
13	R1	289	2.66	20	227	23	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
14	R1	152	3.94	20	344	23	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
15	R1	157	2.19	20	201	17	0	0.02	0.05	0.1	0.4	0	OUTLET	4	0.6	6.48	7	0
16	R1	157	2.91	20	352	42	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
17	R1	289	4.2	20	305	36	0	0.02	0.05	0.1	0.4	0	OUTLET	4.4	0.6	6.48	7	0
18	R1	150	2.46	20	316	29	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
19	R1	144	2.03	20	227	13	0	0.02	0.05	0.1	0.4	0	OUTLET	4.8	0.8	6.48	7	0
20	R1	146	4.22	20	417	5	0	0.02	0.05	0.1	0.4	0	OUTLET	5	1	6.48	7	0
21	R1	147	1.37	40	249	13	0	0.02	0.05	0.1	0.4	0	OUTLET	5	1	6.48	7	0
22	R1	268	2.89	20	218	36	0	0.02	0.05	0.1	0.4	0	OUTLET	4.4	0.7	6.48	7	0
23	R1	268	0.75	40	182	15	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
24	R1	210	0.32	40	115	13	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
25	R1	160	0.27	40	109	13	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
27	R1	274	0.81	40	195	15	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
28	R1	272	0.29	40	105	8	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
29	R1	159	5.6	12	813	38	0	0.02	0.05	0.1	0.4	0	OUTLET	4.2	0.8	6.48	7	0
30	R1	179	7.62	12	500	38	0	0.02	0.05	0.1	0.4	0	OUTLET	3.8	0.7	6.48	7	0
31	R1	167	2.28	12	221	35	0	0.02	0.05	0.1	0.4	0	OUTLET	4	0.7	6.48	7	0
32	R1	166	2.91	12	300	38	0	0.02	0.05	0.1	0.4	0	OUTLET	4.1	0.7	6.48	7	0
33	R1	165	6.96	12	489	38	0	0.02	0.05	0.1	0.4	0	OUTLET	4	0.7	6.48	7	0
34	R1	177	34.47	12	834	36	0	0.02	0.05	0.1	0.4	0	OUTLET	3.4	0.5	6.48	7	0
35	R1	177	73.29	12	1277	35	0	0.02	0.05	0.1	0.4	0	OUTLET	3.8	0.6	6.48	7	0
36	R1	302	650.42	8	5346	35	0	0.02	0.05	0.1	0.4	0	OUTLET	3.6	0.5	6.48	7	0
37	R1	177	5.46	12	310	35	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
38	R1	167	9.5	12	517	35	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
39	R1	167	7.18	12	328	36	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
40	R1	179	1.81	20	349	25	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
41	R1	167	1.17	20	199	25	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
42	R1	171	0.98	20	169	25	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
43	R1	172	0.83	20	181	25	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
44	R1	173	2.87	20	208	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
45	R1	181	1.89	20	185	25	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
46	R1	159	6.11	20	731	40	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
52	R1	56	2.35	20	444	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
54	R1	283	0.39	20	130	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
56	R1	277	4.05	20	504	20	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
58	R1	62	0.37	60	107	13	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
59	R1	273	2.95	40	379	18	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0

Subcatchment Input Values

Jamestown SWMM Model

Name	Rain Gage	Outlet	Area	%Imperv	Width	%Slope	CurbLen	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	RouteTo	MaxRate	MinRate	Decay	DryTime	MaxInfil
60	R1	270	0.38	40	167	5	0	0.02	0.05	0.1	0.4	0	OUTLET	4.7	0.8	6.48	7	0
61	R1	212	0.45	40	194	5	0	0.02	0.05	0.1	0.4	0	OUTLET	4.9	0.9	6.48	7	0
62	R1	206	0.69	60	184	8	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
63	R1	286	0.14	80	149	7	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
64	R1	208	0.21	60	66	14	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
65	R1	209	0.66	60	159	14	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
66	R1	288	0.24	40	141	35	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
67	R1	288	0.19	60	202	6	0	0.02	0.05	0.1	0.4	0	OUTLET	4.8	0.8	6.48	7	0
68	R1	280	0.33	80	145	7	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
69	R1	278	0.3	60	86	28	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
70	R1	203	0.27	40	89	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
71	R1	202	0.74	20	161	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
72	R1	198	1.32	20	319	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
73	R1	298	1.93	20	559	35	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
74	R1	197	0.41	20	120	36	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
76	R1	174	2.97	20	215	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.1	0.6	6.48	7	0
77	R1	213	6.8	20	494	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.4	0.6	6.48	7	0
80	R1	189	3.25	12	283	41	0	0.02	0.05	0.1	0.4	0	OUTLET	3.7	0.5	6.48	7	0
81	R1	71	0.98	20	186	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.4	0.6	6.48	7	0
83	R1	189	2.56	20	319	38	0	0.02	0.05	0.1	0.4	0	OUTLET	3.4	0.5	6.48	7	0
86	R1	72	1	20	312	40	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
87	R1	192	3.56	12	443	33	0	0.02	0.05	0.1	0.4	0	OUTLET	3.7	0.5	6.48	7	0
90	R1	193	1.57	20	342	30	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
91	R1	254	228.23	20	2367	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3.1	0.5	6.48	7	0
92	R1	255	0.57	20	167	26	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.7	6.48	7	0
93	R1	253	11.16	20	513	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3	0.5	6.48	7	0
94	R1	252	13.45	20	482	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3	0.5	6.48	7	0
95	R1	251	59.87	20	1043	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3	0.5	6.48	7	0
96	R1	250	3.95	20	278	60	0	0.02	0.05	0.1	0.4	0	OUTLET	4	0.8	6.48	7	0
97	R1	249	50.46	20	1293	46	0	0.02	0.05	0.1	0.4	0	OUTLET	3.5	0.5	6.48	7	0
98	R1	248	3.69	20	333	60	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
99	R1	247	24.86	20	773	50	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
100	R1	319	69.6	25	1123	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.5	0.5	6.48	7	0
101	R1	245	4.12	40	500	60	0	0.02	0.05	0.1	0.4	0	OUTLET	4.3	0.6	6.48	7	0
102	R1	317	3.49	20	355	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.4	0.5	6.48	7	0
103	R1	243	5.4	20	501	60	0	0.02	0.05	0.1	0.4	0	OUTLET	4.3	0.6	6.48	7	0
104	R1	316	29.04	25	633	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.6	0.5	6.48	7	0
105	R1	335	4.25	40	487	50	0	0.02	0.05	0.1	0.4	0	OUTLET	4.2	0.6	6.48	7	0
106	R1	239	7.71	20	373	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.7	0.5	6.48	7	0
107	R1	238	2.15	40	225	50	0	0.02	0.05	0.1	0.4	0	OUTLET	4.4	0.6	6.48	7	0
108	R1	240	2.26	60	983	4	0	0.02	0.05	0.1	0.4	0	OUTLET	4.7	0.8	6.48	7	0
109	R1	237	0.93	80	195	6	0	0.02	0.05	0.1	0.4	0	OUTLET	4.9	0.9	6.48	7	0
110	R1	328	0.45	80	140	4	0	0.02	0.05	0.1	0.4	0	OUTLET	4.9	0.9	6.48	7	0
111	R1	235	0.73	80	637	12	0	0.02	0.05	0.1	0.4	0	OUTLET	5	1	6.48	7	0
112	R1	315	28.32	25	617	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
113	R1	234	2.76	40	261	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
114	R1	233	3.24	20	244	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3.7	0.6	6.48	7	0
115	R1	231	3.15	20	250	50	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
116	R1	215	1.06	60	149	5	0	0.02	0.05	0.1	0.4	0	OUTLET	4.9	1	6.48	7	0
117	R1	216	2.72	20	257	25	0	0.02	0.05	0.1	0.4	0	OUTLET	3.4	0.6	6.48	7	0

Subcatchment Input Values																		
Jamestown SWMM Model																		
Name	Rain Gage	Outlet	Area	%Imperv	Width	%Slope	CurbLen	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	RouteTo	MaxRate	MinRate	Decay	DryTime	MaxInfil
118	R1	217	9.16	20	633	20	0	0.02	0.05	0.1	0.4	0	OUTLET	4.2	0.7	6.48	7	0
119	R1	214	77.73	12	1129	28	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
120	R1	230	11.42	20	394	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
121	R1	232	7.43	20	500	13	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0
122	R1	229	2.7	20	273	30	0	0.02	0.05	0.1	0.4	0	OUTLET	4.9	0.9	6.48	7	0
123	R1	228	14.13	25	440	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
124	R1	227	11.03	25	453	50	0	0.02	0.05	0.1	0.4	0	OUTLET	4.2	0.6	6.48	7	0
125	R1	226	2.65	20	258	50	0	0.02	0.05	0.1	0.4	0	OUTLET	4.7	0.8	6.48	7	0
126	R1	320	42.91	25	1246	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.1	0.5	6.48	7	0
127	R1	224	17.94	25	651	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3.3	0.5	6.48	7	0
128	R1	223	2.81	20	250	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
129	R1	222	13.81	25	474	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3	0.5	6.48	7	0
130	R1	221	6.1	20	389	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.3	0.6	6.48	7	0
131	R1	220	3.89	20	287	33	0	0.02	0.05	0.1	0.4	0	OUTLET	4.6	0.7	6.48	7	0
132	R1	219	41.74	25	909	60	0	0.02	0.05	0.1	0.4	0	OUTLET	3	0.5	6.48	7	0
133	R1	218	4.72	20	278	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3.9	0.6	6.48	7	0
200	R1	352	209.51	20	3042	50	0	0.02	0.05	0.1	0.4	0	OUTLET	3.6	0.5	6.48	7	0
680	R1	202	0.08	80	44	8	0	0.02	0.05	0.1	0.4	0	OUTLET	4.5	0.6	6.48	7	0