

Simple Basin: B-BTW01

Scenario: Proposed_4-22
Node: N-BTW-01B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0800 ac
Curve Number: 88.7
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW02

Scenario: Proposed_4-22
Node: N-BTW-02B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1330 ac
Curve Number: 87.4
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW03

Scenario: Proposed_4-22
Node: N-BTW-03
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1350 ac
Curve Number: 86.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW04

Scenario: Proposed_4-22
Node: N-BTW-04
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2400 ac
Curve Number: 88.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW05

Scenario: Proposed_4-22
Node: N-BTW-05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.4400 ac
Curve Number: 89.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW06

Scenario: Proposed_4-22
Node: N-BTW-06
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4900 ac
Curve Number: 92.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW07

Scenario: Proposed_4-22
Node: N-BTW-07
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5600 ac
Curve Number: 89.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW08

Scenario: Proposed_4-22
Node: N-BTW-08
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3200 ac
Curve Number: 87.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW09

Scenario: Proposed_4-22
Node: N-BTW-09
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3700 ac
Curve Number: 90.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW10

Scenario: Proposed_4-22
Node: N-BTW-10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5600 ac
Curve Number: 88.4
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW11

Scenario: Proposed_4-22
Node: N-BTW-11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3400 ac
Curve Number: 87.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW12

Scenario: Proposed_4-22
Node: N-BTW-12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9900 ac
Curve Number: 88.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW13

Scenario: Proposed_4-22
Node: N-BTW-13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.3300 ac
Curve Number: 82.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW14

Scenario: Proposed_4-22
Node: N-BTW-14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.8100 ac
Curve Number: 85.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW15

Scenario: Proposed_4-22
Node: N-BTW-15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1300 ac
Curve Number: 86.5
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW16

Scenario: Proposed_4-22
Node: N-BTW-16B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4300 ac
Curve Number: 84.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW17

Scenario: Proposed_4-22
Node: N-BTW-17B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2100 ac
Curve Number: 85.5
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW18

Scenario: Proposed_4-22
Node: N-BTW-18B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3300 ac
Curve Number: 86.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW19

Scenario: Proposed_4-22
Node: N-BTW-19B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2800 ac
Curve Number: 83.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW20

Scenario: Proposed_4-22
Node: N-BTW-20B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5800 ac
Curve Number: 85.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW21

Scenario: Proposed_4-22
Node: N-BTW-21B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 16.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5100 ac
Curve Number: 83.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW22

Scenario: Proposed_4-22
Node: N-BTW-22
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1500 ac
Curve Number: 89.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW23

Scenario: Proposed_4-22
Node: N-BTW-23B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.6200 ac
Curve Number: 81.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW24

Scenario: Proposed_4-22
Node: N-BTW-24B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2300 ac
Curve Number: 78.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW25

Scenario: Proposed_4-22
Node: N-BTW-25B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1400 ac
Curve Number: 81.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW26

Scenario: Proposed_4-22
Node: N-BTW-26B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4800 ac
Curve Number: 82.7
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW27

Scenario: Proposed_4-22
Node: N-BTW-27B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6600 ac
Curve Number: 78.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW28

Scenario: Proposed_4-22
Node: N-BTW-28B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2200 ac
Curve Number: 86.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW30

Scenario: Proposed_4-22
Node: N-BTW-30B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4700 ac
Curve Number: 85.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW31

Scenario: Proposed_4-22
Node: N-BTW-31B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2400 ac
Curve Number: 86.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW32

Scenario: Proposed_4-22
Node: N-BTW-32B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2600 ac
Curve Number: 89.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW33

Scenario: Proposed_4-22
Node: N-BTW-33B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.3400 ac
Curve Number: 78.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW34

Scenario: Proposed_4-22
Node: N-BTW-34B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5000 ac
Curve Number: 88.5
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW35

Scenario: Proposed_4-22
Node: N-BTW-35B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 12.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6900 ac
Curve Number: 84.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW36

Scenario: Proposed_4-22
Node: N-BTW-36B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 17.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7000 ac
Curve Number: 85.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW37

Scenario: Proposed_4-22
Node: N-BTW-37
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2700 ac
Curve Number: 90.4
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW38

Scenario: Proposed_4-22
Node: N-BTW-38
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1500 ac
Curve Number: 97.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW39

Scenario: Proposed_4-22
Node: N-BTW-39
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4200 ac
Curve Number: 86.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW40

Scenario: Proposed_4-22
Node: N-BTW-40
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 24.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.7200 ac
Curve Number: 86.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW41

Scenario: Proposed_4-22
Node: N-BTW-41
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.8700 ac
Curve Number: 78.5
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW42

Scenario: Proposed_4-22
Node: N-BTW-42
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.2300 ac
Curve Number: 79.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW43

Scenario: Proposed_4-22
Node: N-BTW-43
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 12.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.6500 ac
Curve Number: 86.7
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW44

Scenario: Proposed_4-22
Node: N-BTW-44
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3300 ac
Curve Number: 86.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW45

Scenario: Proposed_4-22
Node: N-BTW-45
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4000 ac
Curve Number: 90.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW46

Scenario: Proposed_4-22
Node: N-BTW-46
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3100 ac
Curve Number: 89.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW47

Scenario: Proposed_4-22
Node: N-BTW-47
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2200 ac
Curve Number: 92.4
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW48A

Scenario: Proposed_4-22
Node: N-BTW-48
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0300 ac
Curve Number: 88.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW48B

Scenario: Proposed_4-22
Node: N-BTW-49
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4900 ac
Curve Number: 94.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW49

Scenario: Proposed_4-22
Node: N-BTW-49
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8100 ac
Curve Number: 91.5
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW50

Scenario: Proposed_4-22
Node: N-BTW-50
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 12.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.5000 ac
Curve Number: 84.7
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW51

Scenario: Proposed_4-22
Node: N-BTW-51
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8700 ac
Curve Number: 89.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW52

Scenario: Proposed_4-22
Node: N-BTW-52
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2800 ac
Curve Number: 82.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW53

Scenario: Proposed_4-22
Node: N-BTW-53
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6000 ac
Curve Number: 87.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW54

Scenario: Proposed_4-22
Node: N-BTW-54
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0900 ac
Curve Number: 81.7
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment: Tc based on ERP #43043470.002, area based on LiDAR and survey structure information

Simple Basin: B-BTW55

Scenario: Proposed_4-22
Node: N-BTW-51
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3300 ac
Curve Number: 97.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW56

Scenario: Proposed_4-22
Node: N-BTW-56B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4300 ac
Curve Number: 98.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW57

Scenario: Proposed_4-22
Node: N-BTW-57
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4800 ac
Curve Number: 92.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW58

Scenario: Proposed_4-22
Node: N-BTW-58
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4700 ac
Curve Number: 92.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW59

Scenario: Proposed_4-22
Node: N-BTW-59
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.9500 ac
Curve Number: 92.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: B-BTW60

Scenario: Proposed_4-22
Node: N-BTW-60
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9400 ac
Curve Number: 89.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-100

Scenario: Proposed_4-22
Node: S-100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2800 ac
Curve Number: 88.1
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-101

Scenario: Proposed_4-22
Node: S-101
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.0800 ac
Curve Number: 85.7
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-105

Scenario: Proposed_4-22
Node: S-105
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3700 ac
Curve Number: 87.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-107

Scenario: Proposed_4-22
Node: S-107
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: uh256
Peaking Factor: 256.0
Area: 0.2300 ac
Curve Number: 88.2
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-108

Scenario: Proposed_4-22
Node: S-108
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3200 ac
Curve Number: 88.8
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-110

Scenario: Proposed_4-22
Node: S-110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2800 ac
Curve Number: 90.0
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-114

Scenario: Proposed_4-22
Node: S-114
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4500 ac
Curve Number: 88.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-115

Scenario: Proposed_4-22
Node: S-115
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.4100 ac
Curve Number: 89.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-116

Scenario: Proposed_4-22
Node: S-116
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4700 ac
Curve Number: 89.9
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-117

Scenario: Proposed_4-22
Node: S-117
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4100 ac
Curve Number: 89.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-118

Scenario: Proposed_4-22
Node: S-118
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2600 ac
Curve Number: 86.5
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-119

Scenario: Proposed_4-22
Node: S-119
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2800 ac
Curve Number: 88.4
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-124

Scenario: Proposed_4-22
Node: S-124
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1700 ac
Curve Number: 88.6
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: S-125

Scenario: Proposed_4-22
Node: S-125
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1800 ac
Curve Number: 89.3
Ia/S: 0.00
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: BayIsles_TW

Scenario: Proposed_4-22
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft

Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.000
0	0	0	100.0000	1.000

Comment: Set based on estimates of TOB and water elevation from ERP APP #731077

Node: N-BTW-01

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-01B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.180 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.450	0.0001	4
2.500	0.0007	30
3.000	0.0634	2762
3.500	0.2164	9426
4.000	0.5624	24498
4.500	0.9108	39674
5.000	1.0082	43917
5.500	1.0310	44910
6.000	1.0609	46213
6.500	1.0826	47158
7.000	1.0839	47215
7.500	1.0839	47215

Comment:

Node: N-BTW-02

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-02B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.410 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.650	0.0001	4
3.000	0.0118	514
3.500	0.0399	1738
4.000	0.1085	4726
4.500	0.1304	5680
5.000	0.1326	5776
5.500	0.1326	5776

Comment:

Node: N-BTW-03

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.711	0.0001	4
1.750	0.0003	13
2.000	0.0116	505
2.250	0.0343	1494
2.500	0.0485	2113
2.750	0.0618	2692

Stage [ft]	Area [ac]	Area [ft2]
3.000	0.0785	3419
3.250	0.0826	3598
3.500	0.0865	3768
3.750	0.0869	3785
4.000	0.0869	3785
4.045	0.0869	3785

Comment: S-102

Node: N-BTW-04

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.170	0.0001	4
2.250	0.0011	48
2.500	0.0082	357
2.750	0.0349	1520
3.000	0.0677	2949
3.250	0.0871	3794
3.500	0.1057	4604
3.750	0.1296	5645
4.000	0.1603	6983
4.250	0.1992	8677
4.379	0.2038	8878

Comment: S-104

Node: N-BTW-05

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.429	0.0001	4
1.500	0.0001	4
1.750	0.0026	113

Stage [ft]	Area [ac]	Area [ft2]
2.000	0.0178	775
2.250	0.0845	3681
2.500	0.1712	7457
2.750	0.2086	9087
3.000	0.2400	10454
3.250	0.2631	11461
3.500	0.2973	12950
3.750	0.3253	14170
4.000	0.3396	14793
4.250	0.3468	15107
4.500	0.3531	15381
4.750	0.3606	15708
5.000	0.3862	16823
5.118	0.3862	16823

Comment:

Node: N-BTW-06

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.111	0.0001	4
2.250	0.0003	13
2.500	0.0086	375
2.750	0.0402	1751
3.000	0.0839	3655
3.250	0.1390	6055
3.500	0.2390	10411
3.750	0.3541	15425
4.000	0.4049	17637
4.226	0.4232	18435

Comment: s-110

Node: N-BTW-07

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.138	0.0001	4
2.250	0.0004	17
2.500	0.0218	950
2.750	0.0564	2457
3.000	0.1138	4957
3.250	0.1801	7845
3.500	0.2641	11504
3.750	0.3601	15686
4.000	0.4072	17738
4.250	0.4376	19062
4.500	0.4831	21044
4.750	0.4923	21445
4.789	0.4923	21445

Comment: S-109

Node: N-BTW-08

Scenario: Proposed_4-22

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 0.580 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.581	0.0001	4
1.750	0.0006	26
2.000	0.0020	87
2.250	0.0069	301
2.500	0.0179	780
2.750	0.0349	1520
3.000	0.0522	2274
3.250	0.0673	2932
3.500	0.0874	3807
3.750	0.1085	4726
4.000	0.1438	6264
4.250	0.1887	8220
4.500	0.2172	9461
4.750	0.2311	10067
5.000	0.2311	10067
5.100	0.2311	10067

Comment:

Node: N-BTW-09

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.775	0.0001	4
2.000	0.0032	139
2.250	0.0151	658
2.500	0.0330	1437
2.750	0.0498	2169
3.000	0.0710	3093
3.250	0.1258	5480
3.500	0.1742	7588
3.750	0.2056	8956
4.000	0.2337	10180
4.250	0.2583	11252
4.500	0.2676	11657
4.750	0.2729	11888
5.000	0.2768	12057
5.250	0.2809	12236
5.500	0.2848	12406
5.750	0.2887	12576
6.000	0.2926	12746
6.250	0.2960	12894
6.500	0.3099	13499
6.750	0.3171	13813
7.000	0.3215	14005
7.023	0.3215	14005

Comment:

Node: N-BTW-10

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.073	0.0001	4
2.250	0.0004	17
2.500	0.0027	118

Stage [ft]	Area [ac]	Area [ft2]
2.750	0.0286	1246
3.000	0.0748	3258
3.250	0.1207	5258
3.500	0.2002	8721
3.750	0.3019	13151
4.000	0.3801	16557
4.250	0.4303	18744
4.500	0.4465	19450
4.750	0.4465	19450
5.000	0.4465	19450
5.104	0.4465	19450

Comment:

Node: N-BTW-11

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.997	0.0001	4
2.000	0.0001	4
2.250	0.0047	205
2.500	0.0331	1442
2.750	0.1020	4443
3.000	0.1564	6813
3.250	0.1921	8368
3.500	0.2237	9744
3.750	0.2537	11051
4.000	0.2781	12114
4.067	0.2789	12149

Comment:

Node: N-BTW-12

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.946 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.980	0.0001	4
1.000	0.0002	9
1.500	0.0088	383
2.000	0.0535	2330
2.500	0.3581	15599
3.000	1.0309	44906
3.500	1.9718	85892
4.000	2.7070	117917
4.500	2.9082	126681
5.000	2.9398	128058
5.500	2.9591	128898
6.000	2.9769	129674
6.500	2.9897	130231
7.000	2.9930	130375
7.500	2.9930	130375

Comment:

Node: N-BTW-13

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.294	0.0001	4
1.500	0.0040	174
1.750	0.0234	1019
2.000	0.0634	2762
2.250	0.1442	6281
2.500	0.2710	11805
2.750	0.5316	23156
3.000	1.1292	49188
3.250	1.9242	83818
3.500	2.6662	116140
3.750	3.1316	136412
4.000	3.5425	154311
4.250	3.8199	166395
4.500	4.0133	174819
4.750	4.1190	179424
5.000	4.1736	181802
5.250	4.2190	183780
5.500	4.2598	185557

Stage [ft]	Area [ac]	Area [ft2]
5.750	4.2948	187081
6.000	4.3238	188345
6.250	4.3558	189739
6.500	4.3945	191424
6.750	4.4440	193581
7.000	4.4638	194443
7.250	4.4807	195179
7.500	4.4965	195868
7.750	4.5135	196608
8.000	4.5295	197305
8.250	4.5469	198063
8.500	4.5650	198851
8.750	4.5859	199762
9.000	4.6090	200768
9.250	4.6571	202863
9.500	4.7419	206557
9.750	4.9165	214163
10.000	5.0189	218623
10.250	5.0614	220475
10.500	5.0753	221080
10.750	5.0808	221320
11.000	5.0844	221476
11.220	5.0845	221481

Comment:

Node: N-BTW-14

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.993	0.0001	4
1.000	0.0001	4
1.250	0.0062	270
1.500	0.0151	658
1.750	0.0288	1255
2.000	0.0506	2204
2.250	0.0908	3955
2.500	0.1540	6708
2.750	0.2723	11861
3.000	0.3865	16836
3.250	0.4967	21636

Stage [ft]	Area [ac]	Area [ft2]
3.500	0.6111	26620
3.750	0.7500	32670
4.000	0.9049	39417
4.250	1.0401	45307
4.500	1.1392	49624
4.750	1.2029	52398
5.000	1.2418	54093
5.250	1.2582	54807
5.500	1.2751	55543
5.750	1.2943	56380
6.000	1.3134	57212
6.250	1.3268	57795
6.500	1.3338	58100
6.750	1.3411	58418
7.000	1.3483	58732
7.250	1.3550	59024
7.500	1.3603	59255
7.750	1.3668	59538
8.000	1.3718	59756
8.250	1.3778	60017
8.500	1.3862	60383
8.750	1.3956	60792
9.000	1.4136	61576
9.250	1.4771	64342
9.500	1.5599	67949
9.719	1.5816	68894

Comment:

Node: N-BTW-14A

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-14B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-15

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.873	0.0001	4
1.000	0.0011	48
1.250	0.0044	192
1.500	0.0088	383
1.750	0.0103	449
2.000	0.0126	549
2.250	0.0333	1451
2.500	0.0858	3737
2.750	0.1441	6277
3.000	0.2088	9095
3.250	0.2557	11138
3.500	0.2977	12968
3.750	0.3498	15237
4.000	0.4102	17868
4.250	0.4418	19245
4.500	0.4511	19650
4.750	0.4609	20077
5.000	0.4680	20386
5.250	0.5013	21837
5.500	0.6190	26964
5.750	0.7703	33554
6.000	0.8867	38625
6.250	0.9635	41970
6.500	1.0336	45024
6.750	1.0896	47463
7.000	1.1404	49676
7.250	1.1811	51449
7.500	1.2210	53187
7.750	1.2569	54751
8.000	1.2883	56118
8.250	1.3202	57508

Stage [ft]	Area [ac]	Area [ft2]
8.500	1.3523	58906
8.750	1.3807	60143
9.000	1.4170	61725
9.250	1.4682	63955
9.500	1.5629	68080
9.750	1.7708	77136
10.000	1.8579	80930
10.250	1.8822	81989
10.500	1.8915	82394
10.750	1.8941	82507
11.000	1.8949	82542
11.195	1.8952	82555

Comment:

Node: N-BTW-15A

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-16

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-16B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.280 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.300	0.0003	13
1.500	0.0043	187
2.000	0.0601	2618
2.500	0.2042	8895
3.000	0.4584	19968
3.500	0.7560	32931
4.000	1.0975	47807
4.500	1.2484	54380
5.000	1.3358	58187
5.500	1.3418	58449
6.000	1.3489	58758
6.500	1.3656	59486
7.000	1.3928	60670
7.500	1.4091	61380
8.000	1.4238	62021
8.500	1.4267	62147
9.000	1.4267	62147

Comment:

Node: N-BTW-17

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-17B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.310 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.280	0.0001	4
2.500	0.0017	74
3.000	0.0205	893
3.500	0.0482	2100
4.000	0.0871	3794
4.500	0.0974	4243
5.000	0.1001	4360
5.500	0.1042	4539
6.000	0.1085	4726
6.500	0.1161	5057
7.000	0.1286	5602
7.500	0.1690	7362
8.000	0.2026	8825
8.500	0.2073	9030
9.000	0.2090	9104
9.500	0.2090	9104

Comment:

Node: N-BTW-18

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-18B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.600 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.690	0.0003	13
2.000	0.0034	148
2.500	0.0260	1133
3.000	0.0865	3768
3.500	0.1343	5850

Stage [ft]	Area [ac]	Area [ft2]
4.000	0.1670	7275
4.500	0.2093	9117
5.000	0.2319	10102
5.500	0.2364	10298
6.000	0.2441	10633
6.500	0.2532	11029
7.000	0.2689	11713
7.500	0.2980	12981
8.000	0.3062	13338
8.500	0.3119	13586
9.000	0.3200	13939
9.500	0.3347	14580
10.000	0.3347	14580

Comment:

Node: N-BTW-19

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-19B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.810 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.410	0.0001	4
1.500	0.0004	17
2.000	0.0077	335
2.500	0.0426	1856
3.000	0.0980	4269
3.500	0.1400	6098
4.000	0.1623	7070
4.500	0.1801	7845

Stage [ft]	Area [ac]	Area [ft2]
5.000	0.1855	8080
5.500	0.1891	8237
6.000	0.1942	8459
6.500	0.1993	8682
7.000	0.2082	9069
7.500	0.2194	9557
8.000	0.2311	10067
8.500	0.2482	10812
9.000	0.2680	11674
9.500	0.2834	12345
10.000	0.2834	12345

Comment:

Node: N-BTW-20

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-20B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.087 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.000	0.0001	4
2.500	0.0122	531
3.000	0.0438	1908
3.500	0.1504	6551
4.000	0.3576	15577
4.500	0.4200	18295
5.000	0.4332	18870
5.500	0.4469	19467
6.000	0.4600	20038
6.500	0.4722	20569

Stage [ft]	Area [ac]	Area [ft2]
7.000	0.4845	21105
7.500	0.5068	22076
8.000	0.5365	23370
8.500	0.5832	25404
9.000	0.5844	25456
9.500	0.5844	25456

Comment:

Node: N-BTW-21

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-21B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.940 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.470	0.0001	4
1.500	0.0003	13
2.000	0.0046	200
2.500	0.0310	1350
3.000	0.0650	2831
3.500	0.1004	4373
4.000	0.1753	7636
4.500	0.4293	18700
5.000	0.5110	22259
5.500	0.5110	22259

Comment:

Node: N-BTW-22

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.780 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.752	0.0001	4
2.002	0.0400	1742
2.252	0.2042	8895
2.502	0.2472	10768
2.752	0.2891	12593
3.002	0.3538	15412
3.252	0.4395	19145
3.502	0.4820	20996
3.752	0.5310	23130
4.002	0.6841	29799
4.252	0.9837	42850
4.502	1.2920	56280
4.752	1.6179	70476
5.002	1.7552	76457
5.252	1.8634	81170
5.502	1.9631	85513
5.752	2.0565	89581
6.002	2.1519	93737
6.252	2.2495	97988
6.502	2.3218	101138
6.752	2.4073	104862
7.002	2.4970	108769
7.252	2.6063	113530
7.502	2.7145	118244
7.752	2.8373	123593
8.002	2.9435	128219
8.252	3.0134	131264
8.502	3.0822	134261
8.752	3.1194	135881
9.002	3.1457	137027
9.252	3.1541	137393
9.502	3.1541	137393
9.628	3.1541	137393

Comment:

Node: N-BTW-23

Scenario: Proposed_4-22

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-23B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.610 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.110	0.0001	4
1.500	0.0073	318
2.000	0.0347	1512
2.500	0.0735	3202
3.000	0.1676	7301
3.500	0.2575	11217
4.000	0.3475	15137
4.500	0.4359	18988
5.000	0.5580	24306
5.500	0.6012	26188
6.000	0.6122	26667
6.500	0.6166	26859
7.000	0.6166	26859

Comment:

Node: N-BTW-24

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.610 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-24B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.610 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.000	0.0389	1693
1.511	0.0390	1697
1.750	0.0411	1788
2.000	0.0644	2804
2.250	0.0736	3205
2.500	0.0835	3636
2.750	0.0920	4007
3.000	0.1013	4412
3.250	0.1105	4812
3.500	0.1203	5239
3.750	0.1343	5849
4.000	0.1507	6564
4.250	0.1903	8289
4.500	0.2150	9364
4.750	0.2221	9674
5.000	0.2289	9970
5.240	0.2300	10019

Comment:

Node: N-BTW-25

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.420 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-25B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.980 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.890	0.0003	13
3.000	0.0020	87
3.500	0.0382	1664
4.000	0.0740	3223
4.500	0.1004	4373
5.000	0.1078	4696
5.500	0.1112	4844
6.000	0.1154	5027
6.500	0.1193	5197
7.000	0.1233	5371
7.500	0.1272	5541
8.000	0.1441	6277
8.500	0.1441	6277

Comment:

Node: N-BTW-26

Scenario: Proposed_4-22

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 0.380 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Comment:

Node: N-BTW-26B

Scenario: Proposed_4-22

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 1.630 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.630	0.0001	4
2.000	0.0022	96
2.500	0.0336	1464
3.000	0.0986	4295
3.500	0.1884	8207

Stage [ft]	Area [ac]	Area [ft2]
4.000	0.2984	12998
4.500	0.3202	13948
5.000	0.3281	14292
5.500	0.3337	14536
6.000	0.3451	15033
6.500	0.3609	15721
7.000	0.3921	17080
7.500	0.4286	18670
8.000	0.4719	20556
8.500	0.4766	20761
9.000	0.4766	20761

Comment:

Node: N-BTW-27

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-27B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.770 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.770	0.0001	4
2.000	0.0031	135
2.500	0.0544	2370
3.000	0.1441	6277
3.500	0.2504	10907
4.000	0.3600	15682
4.500	0.4593	20007
5.000	0.5051	22002
5.500	0.5316	23156
6.000	0.5729	24956

Stage [ft]	Area [ac]	Area [ft2]
6.500	0.6102	26580
7.000	0.6250	27225
7.500	0.6444	28070
8.000	0.6569	28615
8.500	0.6600	28750
9.000	0.6600	28750

Comment:

Node: N-BTW-28

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-28B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.442 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.810	0.0001	4
3.000	0.0028	122
3.500	0.0303	1320
4.000	0.1178	5131
4.500	0.1882	8198
5.000	0.2186	9522
5.500	0.2186	9522

Comment:

Node: N-BTW-29

Scenario: Proposed_4-22

Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-30

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-30B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.500 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.000	0.0539	2349
1.323	0.0540	2353
1.500	0.0543	2367
1.750	0.0581	2532
2.000	0.0835	3637
2.250	0.0911	3968
2.500	0.0971	4230
2.750	0.1073	4674
3.000	0.1221	5319
3.250	0.1351	5885
3.500	0.1465	6382
3.750	0.1621	7061
4.000	0.1750	7623
4.250	0.2049	8925
4.500	0.2509	10929
4.750	0.2874	12519

Stage [ft]	Area [ac]	Area [ft2]
5.000	0.3410	14854
5.250	0.3680	16030
5.500	0.3720	16204
5.750	0.3739	16287
6.000	0.3760	16379
6.250	0.3785	16487
6.500	0.3814	16614
6.750	0.3842	16736
7.000	0.3875	16880
7.250	0.3923	17089
7.500	0.3990	17380
7.750	0.4172	18173
8.000	0.4435	19319
8.250	0.4510	19646
8.500	0.4550	19820
8.750	0.4557	19850
9.000	0.4612	20090
9.250	0.4657	20286
9.500	0.4698	20464
9.605	0.4700	20473

Comment:

Node: N-BTW-31

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-31B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.500 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.000	0.0674	2934

Stage [ft]	Area [ac]	Area [ft2]
1.616	0.0675	2939
1.750	0.0697	3035
2.000	0.0983	4282
2.250	0.1142	4975
2.500	0.1293	5632
2.750	0.1396	6081
3.000	0.1534	6682
3.250	0.1739	7575
3.500	0.2350	10237
3.750	0.3129	13630
4.000	0.3946	17189
4.250	0.4943	21532
4.500	0.6204	27025
4.750	0.7546	32870
5.000	0.8778	38237
5.250	0.9780	42602
5.500	1.0421	45394
5.750	1.0846	47245
6.000	1.1166	48639
6.250	1.1404	49676
6.500	1.1599	50525
6.750	1.1725	51074
7.000	1.1795	51379
7.250	1.1867	51693
7.500	1.1950	52054
7.750	1.2223	53243
8.000	1.2292	53544
8.250	1.2331	53714
8.500	1.2364	53858
8.750	1.2395	53993
9.000	1.2400	54014
9.250	1.2400	54014
9.500	1.2400	54014
9.750	1.2400	54014
10.000	1.2400	54014
10.250	1.2400	54014
10.277	1.2400	54014

Comment: This stage area accounts for Pyrula ditch regrading

Node: N-BTW-32

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft

Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-32B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.500 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.000	0.0931	4055
1.586	0.0932	4060
1.750	0.0934	4069
2.000	0.1246	5428
2.250	0.1521	6625
2.500	0.1747	7610
2.750	0.1892	8242
3.000	0.2107	9178
3.250	0.2414	10515
3.500	0.2774	12084
3.750	0.3253	14170
4.000	0.3852	16779
4.250	0.4532	19741
4.500	0.5942	25883
4.750	0.8233	35863
5.000	1.0112	44048
5.250	1.1050	48134
5.500	1.1698	50956
5.750	1.1902	51845
6.000	1.2031	52407
6.250	1.2110	52751
6.500	1.2176	53039
6.750	1.2262	53413
7.000	1.2357	53827
7.250	1.2377	53914
7.500	1.2396	53997
7.750	1.2416	54084
8.000	1.2424	54119
8.250	1.2455	54254
8.500	1.2469	54315
8.750	1.2489	54402
9.000	1.2495	54428

Stage [ft]	Area [ac]	Area [ft2]
9.225	1.2600	54886

Comment:

Node: N-BTW-33

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-33B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.108 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.658	0.0001	4
1.750	0.0009	39
2.000	0.0092	401
2.250	0.0291	1268
2.500	0.0336	1464
2.750	0.0396	1725
3.000	0.0515	2243
3.250	0.0670	2919
3.500	0.0815	3550
3.750	0.1042	4539
4.000	0.1370	5968
4.250	0.1804	7858
4.500	0.2254	9818
4.750	0.3035	13220
5.000	0.3406	14837
5.014	0.3406	14837

Comment:

Node: N-BTW-34

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-34B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.140 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.720	0.0001	4
1.750	0.0001	4
2.000	0.0062	270
2.250	0.0561	2444
2.500	0.1210	5271
2.750	0.1545	6730
3.000	0.2059	8969
3.250	0.2693	11731
3.500	0.3037	13229
3.750	0.3274	14262
4.000	0.3558	15499
4.250	0.3844	16744
4.500	0.4135	18012
4.750	0.4389	19118
5.000	0.4669	20338
5.250	0.4860	21170
5.500	0.4896	21327
5.750	0.4908	21379
6.000	0.4919	21427
6.250	0.4927	21462
6.500	0.4929	21471
6.750	0.4934	21493
7.000	0.4943	21532
7.250	0.4950	21562
7.500	0.4962	21614
7.750	0.4962	21614
8.000	0.4966	21632

Stage [ft]	Area [ac]	Area [ft2]
8.149	0.4967	21636

Comment:

Node: N-BTW-35

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-35B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.210 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.250	0.0001	4
0.500	0.0030	131
1.000	0.0088	383
1.500	0.0202	880
2.000	0.0580	2526
2.500	0.1987	8655
3.000	0.2472	10768
3.500	0.3012	13120
4.000	0.3512	15298
4.500	0.3785	16487
5.000	0.4860	21170
5.500	0.5670	24699
6.000	0.6438	28044
6.500	0.6913	30113
7.000	0.6913	30113

Comment:

Node: N-BTW-36

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: N-BTW-36B

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.990 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.200	0.0001	4
0.500	0.0011	48
1.000	0.0028	122
1.500	0.0204	889
2.000	0.1257	5475
2.500	0.4733	20617
3.000	0.7458	32487
3.500	0.9583	41744
4.000	1.2052	52499
4.500	1.4195	61833
5.000	1.5999	69692
5.500	1.7012	74104
6.000	1.7012	74104

Comment:

Node: N-BTW-37

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.010	0.0001	4
2.500	0.0109	475
3.000	0.0861	3751
3.500	0.1606	6996
4.000	0.2162	9418
4.500	0.2367	10311
5.000	0.2652	11552
5.500	0.2652	11552

Comment:

Node: N-BTW-38

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.310	0.0003	13
2.500	0.0055	240
3.000	0.0428	1864
3.500	0.0806	3511
4.000	0.1202	5236
4.500	0.1324	5767
5.000	0.1455	6338
5.500	0.1455	6338

Comment:

Node: N-BTW-39

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.670	0.0001	4
1.000	0.0007	30
1.500	0.0090	392
2.000	0.0453	1973

Stage [ft]	Area [ac]	Area [ft2]
2.500	0.1752	7632
3.000	0.3686	16056
3.500	0.6342	27626
4.000	1.0398	45294
4.500	1.4753	64264
5.000	1.9970	86989
5.500	2.1852	95187
6.000	2.3021	100279
6.500	2.4072	104858
7.000	2.4209	105454
7.500	2.4209	105454

Comment:

Node: N-BTW-39B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-40

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.520 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.520	0.0001	4
2.000	0.0659	2871
2.500	0.2443	10642
3.000	0.6276	27338
3.500	1.5339	66817
4.000	3.0871	134474
4.500	3.9258	171008
5.000	4.4046	191864
5.500	4.5486	198137
6.000	4.5859	199762

Stage [ft]	Area [ac]	Area [ft2]
6.500	4.5975	200267
7.000	4.6070	200681
7.500	4.6155	201051
8.000	4.6317	201757
8.500	4.6445	202314
9.000	4.6565	202837
9.500	4.6700	203425
10.000	4.6848	204070
10.500	4.7000	204732
11.000	4.7183	205529
11.500	4.7242	205786
12.000	4.7242	205786

Comment:

Node: N-BTW-41

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 4.480 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.910	0.0001	4
3.000	0.0011	48
3.500	0.1076	4687
4.000	0.3947	17193
4.500	0.6141	26750
5.000	0.7460	32496
5.500	0.8163	35558
6.000	0.8455	36830
6.500	0.8602	37470
7.000	0.8664	37740
7.500	0.8676	37793
8.000	0.8676	37793

Comment:

Node: N-BTW-42

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 2.040 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.120	0.0001	4
2.500	0.0019	83
3.000	0.0099	431
3.500	0.0495	2156
4.000	0.1796	7823
4.500	0.2296	10001
5.000	0.2327	10136
5.500	0.2327	10136

Comment:

Node: N-BTW-42B

Scenario: Proposed_4-22

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 0.580 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Comment:

Node: N-BTW-43

Scenario: Proposed_4-22

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 0.580 ft

Warning Stage: 0.000 ft

Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.310	0.0001	4
2.500	0.0118	514
3.000	0.0799	3480
3.500	0.2280	9932
4.000	0.8112	35336
4.500	1.1081	48269
5.000	1.1866	51688
5.500	1.2288	53527
6.000	1.2727	55439
6.500	1.3230	57630

Stage [ft]	Area [ac]	Area [ft2]
7.000	1.5050	65558
7.500	1.5701	68394
8.000	1.5915	69326
8.500	1.6078	70036
9.000	1.6246	70768
9.500	1.6401	71443
10.000	1.6454	71674
10.500	1.6454	71674

Comment:

Node: N-BTW-44

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.580	0.0001	4
2.000	0.0207	902
2.500	0.0590	2570
3.000	0.1686	7344
3.500	0.4457	19415
4.000	0.7076	30823
4.500	0.8452	36817
5.000	0.9351	40733
5.500	0.9692	42218
6.000	0.9969	43425
6.500	1.0269	44732
7.000	1.0574	46060
7.500	1.0900	47480
8.000	1.1206	48813
8.500	1.1448	49867
9.000	1.1712	51017
9.500	1.2430	54145
10.000	1.3324	58039
10.500	1.3324	58039

Comment:

Node: N-BTW-45

Scenario: Proposed_4-22

Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.310	0.0003	13
2.500	0.0040	174
3.000	0.0211	919
3.500	0.0349	1520
4.000	0.1466	6386
4.500	0.3478	15150
5.000	0.3888	16936
5.500	0.4024	17529
6.000	0.4024	17529

Comment:

Node: N-BTW-46

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.780	0.0003	13
3.000	0.0092	401
3.500	0.0499	2174
4.000	0.1884	8207
4.500	0.2961	12898
5.000	0.3070	13373
5.500	0.3070	13373

Comment:

Node: N-BTW-47

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.260	0.0001	4
3.500	0.0056	244
4.000	0.1198	5218
4.500	0.1964	8555
5.000	0.2154	9383
5.500	0.2242	9766
6.000	0.2242	9766

Comment:

Node: N-BTW-48

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.030	0.0001	4
2.500	0.0341	1485
3.000	0.2167	9439
3.500	0.4424	19271
4.000	0.6461	28144
4.500	0.7543	32857
5.000	0.8213	35776
5.500	0.8754	38132
6.000	0.9199	40071
6.500	0.9632	41957
7.000	0.9986	43499
7.500	1.0227	44549
8.000	1.0244	44623
8.500	1.0244	44623

Comment:

Node: N-BTW-49

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.410	0.0001	4
2.500	0.0004	17
3.000	0.0083	362
3.500	0.1327	5780
4.000	0.6965	30340
4.500	1.6150	70349
5.000	1.9172	83513
5.500	2.0687	90113
6.000	2.1720	94612
6.500	2.2168	96564
7.000	2.2623	98546
7.500	2.3069	100489
8.000	2.3075	100515
8.500	2.3075	100515

Comment:

Node: N-BTW-50

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.520	0.0001	4
2.000	0.0122	531
2.500	0.0703	3062
3.000	0.1511	6582
3.500	0.2897	12619
4.000	0.4511	19650
4.500	0.6609	28789
5.000	0.8394	36564
5.500	0.9801	42693
6.000	1.1474	49981
6.500	1.2078	52612
7.000	1.2417	54088
7.500	1.3045	56824
8.000	1.3829	60239
8.500	1.3879	60457
9.000	1.3947	60753
9.500	1.4131	61555
10.000	1.4461	62992
10.500	1.4832	64608

Stage [ft]	Area [ac]	Area [ft2]
11.000	1.4948	65113
11.500	1.4948	65113

Comment:

Node: N-BTW-51

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
0.080	0.0001	4
0.500	0.0405	1764
1.000	0.1342	5846
1.500	0.1690	7362
2.000	0.1994	8686
2.500	0.2297	10006
3.000	0.2573	11208
3.500	0.3554	15481
4.000	0.4619	20120
4.500	1.1055	48156
5.000	1.9780	86162
5.500	2.0496	89281
6.000	2.1076	91807
6.500	2.1538	93820
7.000	2.1894	95370
7.500	2.2060	96093
8.000	2.2106	96294
8.500	2.2106	96294

Comment:

Node: N-BTW-52

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.400	0.0003	13
2.500	0.0023	100
3.000	0.0293	1276
3.500	0.1702	7414
4.000	0.5748	25038
4.500	0.9973	43442
5.000	1.1596	50512
5.500	1.2283	53505
6.000	1.2467	54306
6.500	1.2702	55330
7.000	1.2769	55622
7.500	1.2781	55674
8.000	1.2791	55718
8.500	1.2791	55718

Comment:

Node: N-BTW-53

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.260	0.0001	4
3.500	0.0109	475
4.000	0.1189	5179
4.500	0.2296	10001
5.000	0.3349	14588
5.500	0.3719	16200
6.000	0.3946	17189
6.500	0.4144	18051
7.000	0.4320	18818
7.500	0.4471	19476
8.000	0.4606	20064
8.500	0.4766	20761
9.000	0.4937	21506
9.500	0.5238	22817
10.000	0.5906	25727
10.500	0.6018	26214
11.000	0.6018	26214

Comment:

Node: N-BTW-54

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.850 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.850	0.2380	10367
3.600	0.3380	14723

Comment: Stage area based on ERP #43043470.002

Node: N-BTW-56

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: N-BTW-56B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 3.470 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.400	0.0001	4
3.500	0.0013	57
4.000	0.0494	2152
4.500	0.1782	7762
5.000	0.2825	12306
5.500	0.3617	15756
6.000	0.4181	18212
6.500	0.4330	18861
7.000	0.4347	18936
7.500	0.4347	18936
8.000	0.4347	18936

Comment:

Node: N-BTW-57

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.400	0.0001	4
3.500	0.0011	48
4.000	0.0733	3193
4.500	0.2449	10668
5.000	0.3730	16248
5.500	0.4339	18901
6.000	0.4604	20055
6.500	0.4743	20661
7.000	0.4814	20970
7.500	0.4829	21035
8.000	0.4829	21035

Comment:

Node: N-BTW-58

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 1.000 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.410	0.0003	13
3.500	0.0013	57
4.000	0.0719	3132
4.500	0.2690	11718
5.000	0.3736	16274
5.500	0.4162	18130
6.000	0.4412	19219
6.500	0.4580	19950
7.000	0.4627	20155
7.500	0.4638	20203

Stage [ft]	Area [ac]	Area [ft2]
8.000	0.4656	20282
8.500	0.4666	20325
9.000	0.4678	20377
9.500	0.4678	20377

Comment:

Node: N-BTW-59

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.560	0.0001	4
4.000	0.0366	1594
4.500	0.2069	9013
5.000	0.4192	18260
5.500	0.5358	23339
6.000	0.6115	26637
6.500	0.6843	29808
7.000	0.7349	32012
7.500	0.7757	33789
8.000	0.8441	36769
8.500	0.8698	37888
9.000	0.8876	38664
9.500	0.9054	39439
10.000	0.9438	41112
10.500	0.9510	41426
11.000	0.9510	41426

Comment:

Node: N-BTW-60

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.000 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
3.550	0.0001	4
4.000	0.0409	1782
4.500	0.2735	11914
5.000	0.4459	19423
5.500	0.4990	21736
6.000	0.5544	24150
6.500	0.6313	27499
7.000	0.6944	30248
7.500	0.7635	33258
8.000	0.8768	38193
8.500	0.8873	38651
9.000	0.8942	38951
9.500	0.9068	39500
10.000	0.9371	40820
10.500	0.9409	40986
11.000	0.9409	40986

Comment:

Node: N_BNDY

Scenario: Proposed_4-22
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft
 Boundary Stage: N_BNDY

Comment: Changed to MHHW 5/30/24

Node: S-100

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.734	0.0001	4
1.750	0.0001	4
2.000	0.0383	1668
2.250	0.1013	4413

Stage [ft]	Area [ac]	Area [ft2]
2.500	0.1247	5432
2.750	0.1392	6064
3.000	0.1555	6774
3.250	0.1725	7514
3.500	0.1954	8512
3.750	0.2083	9074
4.000	0.2155	9387
4.250	0.2211	9631
4.500	0.2263	9858
4.750	0.2311	10067
5.000	0.2415	10520
5.011	0.2415	10520

Comment:

Node: S-101

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.135	0.0001	4
2.250	0.0009	39
2.500	0.0075	327
2.750	0.0176	767
3.000	0.0284	1237
3.250	0.0430	1873
3.500	0.0498	2169
3.750	0.0509	2217
3.878	0.0512	2230

Comment:

Node: S-103B

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: S-105

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.037	0.0001	4
2.250	0.0022	96
2.500	0.0103	449
2.750	0.0258	1124
3.000	0.0498	2169
3.250	0.0811	3533
3.500	0.1088	4739
3.750	0.1491	6495
4.000	0.1970	8581
4.250	0.2623	11426
4.500	0.3300	14375
4.750	0.3383	14736
4.809	0.3383	14736

Comment:

Node: S-106

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: S-107

Scenario: Proposed_4-22
Type: Stage/Area

Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.893	0.0001	4
2.000	0.0017	74
2.250	0.0418	1821
2.500	0.0864	3764
2.750	0.1119	4874
3.000	0.1375	5990
3.250	0.1623	7070
3.500	0.1852	8067
3.750	0.2004	8729
4.000	0.2004	8729
4.250	0.2004	8729
4.298	0.2004	8729

Comment:

Node: S-108

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.127	0.0001	4
2.250	0.0075	327
2.500	0.0283	1233
2.750	0.0542	2361
3.000	0.0897	3907
3.250	0.1290	5619
3.500	0.1641	7148
3.750	0.1950	8494
4.000	0.2369	10319
4.250	0.2712	11813
4.500	0.2852	12423
4.556	0.2884	12563

Comment:

Node: S-109

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Comment:

Node: S-110

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
1.760	0.0001	4
2.010	0.0014	61
2.260	0.0090	392
2.510	0.0370	1612
2.760	0.0717	3123
3.010	0.1096	4774
3.260	0.1548	6743
3.510	0.2076	9043
3.760	0.2410	10498
4.010	0.2428	10576
4.097	0.2436	10611

Comment:

Node: S-114

Scenario: Proposed_4-22
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.580 ft
Warning Stage: 0.000 ft
Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.488	0.0001	4
2.500	0.0004	17

Stage [ft]	Area [ac]	Area [ft2]
2.750	0.0149	649
3.000	0.0438	1908
3.250	0.0805	3507
3.500	0.1529	6660
3.750	0.2689	11713
4.000	0.3279	14283
4.250	0.3581	15599
4.500	0.3761	16383
4.750	0.3769	16418
4.820	0.3769	16418

Comment:

Node: S-115

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.468	0.0001	4
2.500	0.0004	17
2.750	0.0095	414
3.000	0.0407	1773
3.250	0.0812	3537
3.500	0.1442	6281
3.750	0.2126	9261
4.000	0.2881	12550
4.250	0.3158	13756
4.500	0.3352	14601
4.740	0.3357	14623

Comment:

Node: S-116

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.466	0.0001	4
2.500	0.0001	4
2.750	0.0211	919
3.000	0.0674	2936
3.250	0.1297	5650
3.500	0.2109	9187
3.750	0.3033	13212
4.000	0.3514	15307
4.250	0.3680	16030
4.500	0.3772	16431
4.750	0.3888	16936
5.000	0.3933	17132
5.029	0.3950	17206

Comment:

Node: S-117

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.490	0.0001	4
2.500	0.0003	13
2.750	0.0044	192
3.000	0.0463	2017
3.250	0.1040	4530
3.500	0.1812	7893
3.750	0.2621	11417
4.000	0.3403	14823
4.250	0.3862	16823
4.500	0.3956	17232
4.750	0.3956	17232
4.837	0.3956	17232

Comment:

Node: S-118

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs

Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.232	0.0001	4
2.250	0.0007	30
2.500	0.0046	200
2.750	0.0132	575
3.000	0.0227	989
3.250	0.0331	1442
3.500	0.0466	2030
3.750	0.0684	2980
4.000	0.0954	4156
4.250	0.1165	5075
4.500	0.1360	5924
4.750	0.1544	6726
5.000	0.1716	7475
5.250	0.1875	8168
5.500	0.2058	8965
5.750	0.2151	9370
5.829	0.2161	9413

Comment:

Node: S-119

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.195	0.0001	4
2.250	0.0001	4
2.500	0.0033	144
2.750	0.0152	662
3.000	0.0356	1551
3.250	0.0587	2557
3.500	0.0772	3363
3.750	0.0917	3994
4.000	0.1099	4787
4.250	0.1265	5510
4.500	0.1413	6155
4.750	0.1521	6625
5.000	0.1608	7004

Stage [ft]	Area [ac]	Area [ft2]
5.250	0.1692	7370
5.500	0.1759	7662
5.750	0.1827	7958
6.000	0.1904	8294
6.250	0.1980	8625
6.500	0.2075	9039
6.750	0.2174	9470
7.000	0.2343	10206
7.250	0.2416	10524
7.500	0.2416	10524
7.725	0.2416	10524

Comment:

Node: S-121

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Comment:

Node: S-124

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.133	0.0001	4
2.250	0.0009	39
2.500	0.0079	344
2.750	0.0128	558
3.000	0.0194	845
3.250	0.0286	1246
3.500	0.0386	1681
3.750	0.0538	2344
4.000	0.0852	3711
4.250	0.1205	5249

Stage [ft]	Area [ac]	Area [ft2]
4.500	0.1442	6281
4.750	0.1466	6386
4.948	0.1478	6438

Comment:

Node: S-125

Scenario: Proposed_4-22
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 0.580 ft
 Warning Stage: 0.000 ft
 Alert Stage: 0.000 ft

Stage [ft]	Area [ac]	Area [ft2]
2.621	0.0001	4
2.750	0.0007	30
3.000	0.0115	501
3.250	0.0333	1451
3.500	0.0552	2405
3.750	0.0748	3258
4.000	0.0958	4173
4.250	0.1178	5131
4.500	0.1334	5811
4.750	0.1429	6225
5.000	0.1478	6438
5.113	0.1491	6495

Comment:

Pipe Link: L-0920P	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -0.880 ft	Invert: -0.860 ft
From Node: N-BTW-31	Manning's N: 0.0090	Manning's N: 0.0090
To Node: N-BTW-30	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 92.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-0940P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.630 ft	Invert: -0.880 ft
From Node:	N-BTW-32	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-31	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	90.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-0950P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.630 ft	Invert: -0.620 ft
From Node:	N-BTW-34	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-32	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	93.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-0960P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.000 ft	Invert: -0.710 ft
From Node:	N-BTW-35	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-34	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	93.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.			

Pipe Link: L-0970P	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -0.200 ft	Invert: -0.200 ft
From Node: N-BTW-33	Manning's N: 0.0090	Manning's N: 0.0090
To Node: N-BTW-34	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.		

Pipe Link: L-0980P	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -0.460 ft	Invert: -0.710 ft
From Node: N-BTW-36	Manning's N: 0.0090	Manning's N: 0.0090
To Node: N-BTW-35	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 72.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.		

Weir Link: L-0990W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-30B	Default: 0.00 ft
To Node:	N-BTW-30	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	1.500 ft	Discharge Coefficients
Control Elevation:	1.500 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Revised based on proposed

Weir Link: L-1000W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-31B	Default: 0.00 ft
To Node:	N-BTW-31	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	1.500 ft	Discharge Coefficients
Control Elevation:	1.500 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Revised based on proposed

Weir Link: L-1010W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-32B	Default: 0.00 ft
To Node:	N-BTW-32	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	1.500 ft	Discharge Coefficients
Control Elevation:	1.500 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Revised based on proposed

Weir Link: L-1020W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-34B	Default: 0.00 ft
To Node:	N-BTW-34	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.140 ft	Discharge Coefficients
Control Elevation:	2.140 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Based on Survey Data by Hyatt collected on 07-2025.

Weir Link: L-1030W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-35B	Default: 0.00 ft
To Node:	N-BTW-35	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.210 ft	Discharge Coefficients
Control Elevation:	2.210 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-1040W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-36B	Default: 0.00 ft
To Node:	N-BTW-36	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping:	0.0000 ft	
Weir Type:	Horizontal	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	1.990 ft	Ref Node:
Control Elevation:	1.990 ft	Discharge Coefficients
Max Depth:	3.00 ft	Weir Default: 2.600
Max Width:	4.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-1050W

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-33B	Default: 0.00 ft
To Node:	N-BTW-33	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.210 ft	Discharge Coefficients
Control Elevation:	2.210 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Pipe Link: L-1060P

	Upstream	Downstream
Scenario:	Proposed_4-22	
	Invert: -0.640 ft	Invert: -0.400 ft
From Node:	N-BTW-37	Manning's N: 0.0090
To Node:	N-BTW-36	Manning's N: 0.0090
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Max Depth: 2.00 ft
Length:	38.00 ft	Bottom Clip
FHWA Code:	1	Default: 0.00 ft
Entr Loss Coef:	1	Op Table:
Exit Loss Coef:	0	Ref Node:
Bend Loss Coef:	0	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip
Energy Switch:	Energy	Default: 0.00 ft
	Manning's N: 0.0000	Op Table:
		Ref Node:
		Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-1070P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.400 ft	Invert: -0.410 ft
From Node:	N-BTW-38	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-37	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	24.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-1090P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.890 ft	Invert: -3.840 ft
From Node:	N-BTW-30	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-24	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	49.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-1100P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.830 ft	Invert: 0.520 ft
From Node:	N-BTW-52	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-53	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	29.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	0	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 11-2025.

Pipe Link: L-1110P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.130 ft	Invert: -0.860 ft
From Node:	N-BTW-56	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-57	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	73.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	0	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information based on Survey Data by Hyatt collected on 11-2025.

Pipe Link: L-1120P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -2.560 ft	Invert: -2.050 ft
From Node:	N-BTW-51	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-57	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	47.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	0	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information based on Survey Data by Hyatt collected on 11-2025.

Weir Link: L-1130W

Scenario: Proposed_4-22

Bottom Clip

From Node:	N-BTW-56B	
To Node:	N-BTW-56	Default: 0.00 ft
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Horizontal	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	3.470 ft	Ref Node:
Control Elevation:	3.470 ft	Discharge Coefficients
Max Depth:	3.00 ft	Weir Default: 2.600
Max Width:	2.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Pipe Link: L-1410P	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -1.750 ft	Invert: -1.850 ft
From Node: N-BTW-11	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N_BNDY	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Positive	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 61.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe not found during survey exploration

Weir Link: L-1420W	
Scenario: Proposed_4-22	Bottom Clip
From Node: N-BTW-21B	Default: 0.00 ft
To Node: N-BTW-21	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Horizontal	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 1.940 ft	Discharge Coefficients
Control Elevation: 1.940 ft	Weir Default: 2.600
Max Depth: 3.00 ft	Weir Table:
Max Width: 4.00 ft	Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Added based on Hyatt Survey 07/2025
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Weir Link: L-1430W

Scenario: Proposed_4-22	Bottom Clip
From Node: N-BTW-23B	Default: 0.00 ft
To Node: N-BTW-23	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Horizontal	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 2.070 ft	Discharge Coefficients
Control Elevation: 2.070 ft	Weir Default: 2.600
Max Depth: 3.00 ft	Weir Table:
Max Width: 4.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment: Added based on Hyatt Survey 07/2025
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Weir Link: L-1440W

Scenario: Proposed_4-22	Bottom Clip
From Node: N-BTW-24B	Default: 0.00 ft
To Node: N-BTW-24	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Horizontal	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 1.500 ft	Discharge Coefficients
Control Elevation: 1.500 ft	Weir Default: 2.600
Max Depth: 3.00 ft	Weir Table:
Max Width: 4.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: L-1450P

	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -1.200 ft	Invert: -0.400 ft
From Node: N-BTW-39B	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N-BTW-38	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	13.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: L-1460P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -2.300 ft	Invert: -2.220 ft
From Node:	N-BTW-58	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-57	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:	
FHWA Code:	10	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment: Based on Hyatt Survey 11/2025			

Drop Structure Link: L-1480DS		Upstream Pipe	Downstream Pipe
Scenario:	Proposed_4-22	Invert: 0.900 ft	Invert: 0.780 ft
From Node:	N-BTW-54	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-51	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Pipe Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default:	0.00 ft
Increments:	0	Op Table:	
Pipe Count:	1	Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000
Length:	9.00 ft	Top Clip	
FHWA Code:	10	Default:	0.00 ft
Entr Loss Coef:	1	Op Table:	
Exit Loss Coef:	1	Ref Node:	
Bend Loss Coef:	0	Manning's N:	0.0000
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Pipe Comment:

Weir Component	
Weir: 1	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 2.370 ft	Op Table:
Control Elevation: 2.370 ft	Ref Node:
Max Depth: 0.70 ft	Discharge Coefficients
Max Width: 2.00 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Weir Component	
Weir: 2	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Horizontal	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 3.620 ft	Op Table:
Control Elevation: 3.620 ft	Ref Node:
Max Depth: 3.00 ft	Discharge Coefficients
Max Width: 2.00 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Drop Structure Comment: Based on topographic survey from Hyatt 11/2025
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Pipe Link: L-1490P	Upstream	Downstream
Scenario: Proposed_4-22	Invert: 0.250 ft	Invert: 0.280 ft
From Node: N-BTW-50	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N-BTW-51	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 72.00 ft	Op Table:	Op Table:
FHWA Code: 10	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: DS invert from survey, US from erp

Pipe Link: L-1500P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -2.030 ft	Invert: -1.620 ft
From Node:	N-BTW-49	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-51	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	24.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Information from Hyatt Survey 11/2025

Pipe Link: L-1540P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -4.150 ft	Invert: -4.150 ft
From Node:	N-BTW-58	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-59	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	68.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Estimated based on Hyatt survey and estimates

Pipe Link: L-1570P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -2.320 ft	Invert: -2.360 ft

From Node:	N-BTW-45	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-46	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: From Hyatt Survey 11/2025

Pipe Link:	L-1580P	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.750 ft	Invert:	-2.350 ft
From Node:	N-BTW-47	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-46	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	L-1590P	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.650 ft	Invert:	-1.750 ft
From Node:	N-BTW-48	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N-BTW-47	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Estimated information

Pipe Link: L-1600P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -3.590 ft	Invert: -4.080 ft
From Node:	N-BTW-46	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-53	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	197.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: L-1610P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -4.090 ft	Invert: -4.090 ft
From Node:	N-BTW-53	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-59	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	598.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Estimated information			

Pipe Link: L-1620P		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -4.200 ft	Invert: -4.200 ft
From Node:	N-BTW-59	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-60	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	10	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Estimated information					

Pipe Link:	L-1630P	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-4.500 ft	Invert:	-4.500 ft
From Node:	N-BTW-60	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	BayIsles_TW	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	166.00 ft	Op Table:		Op Table:	
FHWA Code:	10	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Estimated					

Pipe Link:	L-1640P	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.950 ft	Invert:	-2.600 ft
From Node:	N-BTW-43	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-44	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	470.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: estimated, need to verify

Pipe Link: L-1650P	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -2.600 ft	Invert: 0.500 ft
From Node: N-BTW-44	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N-BTW-14	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 200.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: info estimated

Channel Link: L-2130C	Upstream	Downstream
Scenario: Proposed_4-22	Invert: 0.800 ft	Invert: 0.600 ft
From Node: N-BTW-14B	Manning's N: 0.0350	Manning's N: 0.0350
To Node: N-BTW-14	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: X-2130C-A	Cross Section: X-2130C-B
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 345.00 ft		
Contraction Coef: 0		
Expansion Coef: 0		
Entr Loss Coef: 0		
Exit Loss Coef: 0		
Bend Loss Coef: 0		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: L-BTWC-13	Upstream	Downstream
Scenario: Proposed_4-22	Invert: 0.600 ft	Invert: 0.300 ft
From Node: N-BTW-14	Manning's N: 0.0400	Manning's N: 0.0400
To Node: N-BTW-13	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: L-BTWC-13A	Cross Section: L-BTWC-13B
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 345.00 ft
 Contraction Coef: 0
 Expansion Coef: 0
 Entr Loss Coef: 0
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment: Information based on 2018 LiDAR

Channel Link: L-BTWC-15		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.150 ft	Invert: -0.250 ft
From Node:	N-BTW-15A	Manning's N: 0.0400	Manning's N: 0.0400
To Node:	N-BTW-15	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: L-BTWC-15A	Cross Section: L-BTWC-15B
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	270.00 ft		
Contraction Coef:	0		
Expansion Coef:	0		
Entr Loss Coef:	0		
Exit Loss Coef:	0		
Bend Loss Coef:	0		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment: Information based on 2018 LiDAR

Drop Structure Link: L-BTWDS-01		Upstream Pipe	Downstream Pipe
Scenario:	Proposed_4-22	Invert: 1.060 ft	Invert: 1.020 ft
From Node:	N-BTW-22	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-14A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Pipe Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	0	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	14.00 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	1	Op Table:	Op Table:
Exit Loss Coef:	0	Ref Node:	Ref Node:
Bend Loss Coef:	0	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Pipe Comment: Pipe information from Hyatt Survey Services (02/2022)

Weir Component	
Weir: 1	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Horizontal	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 3.910 ft	Op Table:
Control Elevation: 3.910 ft	Ref Node:
Max Depth: 4.00 ft	Discharge Coefficients
Max Width: 3.00 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Weir Component	
Weir: 2	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 2.780 ft	Op Table:
Control Elevation: 2.780 ft	Ref Node:
Max Depth: 1.10 ft	Discharge Coefficients
Max Width: 3.25 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Drop Structure Comment: Information from Hyatt Survey Services (02/2022)

Pipe Link: L-BTWP-01	Upstream	Downstream
Scenario: Proposed_4-22	Invert: 0.350 ft	Invert: 0.100 ft
From Node: N-BTW-01	Manning's N: 0.0090	Manning's N: 0.0090
To Node: N_BNDY	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 110.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-02		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.010 ft	Invert: -0.034 ft
From Node:	N-BTW-02	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-01	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	37.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-03		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.350 ft	Invert: -0.480 ft
From Node:	N-BTW-03	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-02	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	153.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-04		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.100 ft	Invert: 0.000 ft

From Node:	N-BTW-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-03	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed new structure at a similar location					

Pipe Link:	L-BTWP-05	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.400 ft	Invert:	-1.500 ft
From Node:	N-BTW-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	S-103B	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed new structure at a similar location					

Pipe Link:	L-BTWP-06	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.000 ft	Invert:	-2.250 ft
From Node:	N-BTW-06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N_BNDY	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	128.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Proposed pipe

Pipe Link: L-BTWP-07

Scenario: Proposed_4-22
 From Node: N-BTW-07
 To Node: N-BTW-06
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 26.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.080 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: -0.130 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Proposed new structure at a similar location

Pipe Link: L-BTWP-08

Scenario: Proposed_4-22
 From Node: S-121
 To Node: N_BNDY
 Link Count: 1
 Flow Direction: Positive
 Damping: 0.0000 ft
 Length: 5.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -2.450 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: -2.500 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Proposed new structure at a similar location

Pipe Link: L-BTWP-09

Scenario: Proposed_4-22
 From Node: N-BTW-09
 To Node: N-BTW-08

Upstream

Invert: 0.080 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse

Downstream

Invert: 0.000 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	1.16 ft	Max Depth:	1.16 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed new structure at a similar location					

Pipe Link: L-BTWP-10		Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-3.600 ft	Invert:	-3.700 ft
From Node:	N-BTW-10	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-11	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.16 ft	Max Depth:	1.16 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed new structure at a similar location					

Pipe Link: L-BTWP-13		Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	0.300 ft	Invert:	0.150 ft
From Node:	N-BTW-13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-15A	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Revised for PCM

Pipe Link: L-BTWP-15	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -2.200 ft	Invert: -2.300 ft
From Node: N-BTW-15	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N_BNDY	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Positive	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 17.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed

Pipe Link: L-BTWP-16	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -0.470 ft	Invert: -0.460 ft
From Node: N-BTW-16	Manning's N: 0.0090	Manning's N: 0.0090
To Node: N-BTW-17	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 93.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-17	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -1.210 ft	Invert: -1.260 ft
From Node: N-BTW-17	Manning's N: 0.0090	Manning's N: 0.0090
To Node: N-BTW-18	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-18		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -1.370 ft	Invert: -1.350 ft
From Node:	N-BTW-18	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-19	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N:	0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-19		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -1.410 ft	Invert: -1.250 ft
From Node:	N-BTW-19	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-20	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N:	0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-20		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -1.410 ft	Invert: -1.410 ft
From Node:	N-BTW-20	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-28	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	197.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-21		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.730 ft	Invert: -1.350 ft
From Node:	N-BTW-21	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-29	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	142.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added based on Hyatt Survey 07/2025, pipe size and material from ERP #44.28959.0

Pipe Link: L-BTWP-2180		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.150 ft	Invert: 0.000 ft
From Node:	S-101	Manning's N: 0.0220	Manning's N: 0.0220
To Node:	N-BTW-03	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	105.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: L-BTWP-2190		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -1.100 ft	Invert: -1.400 ft
From Node:	S-100	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-05	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	116.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2200		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.830 ft	Invert: -1.000 ft
From Node:	S-105	Manning's N: 0.0220	Manning's N: 0.0220
To Node:	S-106	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	13.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2230		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -0.050 ft	Invert: -0.100 ft

From Node:	S-109	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	S-108	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	22.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: L-BTWP-2240		Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.650 ft	Invert:	-2.100 ft
From Node:	S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	S-109	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	249.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: L-BTWP-2250		Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-2.150 ft	Invert:	-2.250 ft
From Node:	S-110	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-07	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	56.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2260

Scenario: Proposed_4-22
 From Node: S-114
 To Node: S-115
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 17.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream
 Invert: 1.000 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream
 Invert: 0.000 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2270

Scenario: Proposed_4-22
 From Node: S-115
 To Node: N-BTW-07
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 251.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream
 Invert: -1.200 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream
 Invert: -1.700 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2280

Scenario: Proposed_4-22
 From Node: S-116
 To Node: S-117

Upstream
 Invert: 0.150 ft
 Manning's N: 0.0220
 Geometry: Circular

Downstream
 Invert: -0.400 ft
 Manning's N: 0.0220
 Geometry: Circular

Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	19.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: L-BTWP-2290		Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-0.850 ft	Invert:	-1.150 ft
From Node:	S-117	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	S-119	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: L-BTWP-23		Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-0.510 ft	Invert:	-0.710 ft
From Node:	N-BTW-23	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-21	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Pipe information based on Survey Data by Hyatt collected on 07-2025. Pipe size and material from ERP #44.28959.0

Pipe Link: L-BTWP-2300	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -0.300 ft	Invert: -0.650 ft
From Node: S-118	Manning's N: 0.0220	Manning's N: 0.0220
To Node: S-119	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 19.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2310	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -1.150 ft	Invert: -1.350 ft
From Node: S-119	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N-BTW-09	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 92.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2320	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -1.150 ft	Invert: -1.350 ft
From Node: S-124	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N-BTW-09	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	97.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: L-BTWP-2330	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -1.500 ft	Invert: -1.750 ft
From Node: S-125	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N-BTW-11	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 129.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2350	Upstream	Downstream
Scenario: Proposed_4-22	Invert: -2.400 ft	Invert: -2.450 ft
From Node: N-BTW-08	Manning's N: 0.0120	Manning's N: 0.0120
To Node: S-121	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 21.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-24		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -3.840 ft	Invert: -4.380 ft
From Node:	N-BTW-24	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-29	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	85.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: L-BTWP-25		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.420 ft	Invert: 0.590 ft
From Node:	N-BTW-25	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-14A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	80.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.			

Pipe Link: L-BTWP-26		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: 0.380 ft	Invert: 0.490 ft
From Node:	N-BTW-26	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	N-BTW-25	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	104.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	

Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Pipe information from ERP #44.28959.0, with NGVD29 to NAVD88 conversion of -1.08

Pipe Link: L-BTWP-2610		Upstream	Downstream
Scenario: Proposed_4-22		Invert: -4.500 ft	Invert: -4.600 ft
From Node: N-BTW-04		Manning's N: 0.0120	Manning's N: 0.0120
To Node: S-103B		Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1		Max Depth: 1.16 ft	Max Depth: 1.16 ft
Flow Direction: Both		Bottom Clip	
Damping: 0.0000 ft		Default: 0.00 ft	Default: 0.00 ft
Length: 22.00 ft		Op Table:	Op Table:
FHWA Code: 1		Ref Node:	Ref Node:
Entr Loss Coef: 1		Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0		Top Clip	
Bend Loss Coef: 0		Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec		Op Table:	Op Table:
Energy Switch: Energy		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2620		Upstream	Downstream
Scenario: Proposed_4-22		Invert: -1.500 ft	Invert: -1.650 ft
From Node: S-103B		Manning's N: 0.0120	Manning's N: 0.0120
To Node: S-106		Geometry: Circular	Geometry: Circular
Link Count: 1		Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both		Bottom Clip	
Damping: 0.0000 ft		Default: 0.00 ft	Default: 0.00 ft
Length: 49.00 ft		Op Table:	Op Table:
FHWA Code: 1		Ref Node:	Ref Node:
Entr Loss Coef: 1		Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0		Top Clip	
Bend Loss Coef: 0		Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec		Op Table:	Op Table:
Energy Switch: Energy		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-2630		Upstream	Downstream
Scenario: Proposed_4-22		Invert: 0.000 ft	Invert: -1.000 ft

From Node:	S-107	Manning's N:	0.0220	Manning's N:	0.0220
To Node:	S-106	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	4.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	L-BTWP-2640	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-2.100 ft	Invert:	-2.150 ft
From Node:	S-109	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	S-110	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	L-BTWP-2650	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	0.250 ft	Invert:	0.000 ft
From Node:	S-114	Manning's N:	0.0220	Manning's N:	0.0220
To Node:	S-115	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	19.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: L-BTWP-27

Scenario: Proposed_4-22
 From Node: N-BTW-27
 To Node: N-BTW-26
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 93.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.190 ft
 Manning's N: 0.0090

Geometry: Circular

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: 0.550 ft
 Manning's N: 0.0090

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment: Pipe information from ERP #44.28959.0, with NGVD29 to NAVD88 conversion of -1.08

Pipe Link: L-BTWP-28

Scenario: Proposed_4-22
 From Node: N-BTW-28
 To Node: N-BTW-14A
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 60.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 0
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -1.010 ft
 Manning's N: 0.0090

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: -1.540 ft
 Manning's N: 0.0090

Geometry: Circular

Max Depth: 2.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Pipe Link: L-BTWP-29

Scenario: Proposed_4-22
 From Node: N-BTW-29
 To Node: N-BTW-17

Upstream

Invert: -1.350 ft
 Manning's N: 0.0090

Geometry: Circular

Downstream

Invert: -0.990 ft
 Manning's N: 0.0090

Geometry: Circular

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	118.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.					

Pipe Link:	L-BTWP-3050	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-1.100 ft	Invert:	-2.700 ft
From Node:	N-BTW-28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-15	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	1066.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	L-BTWP-3090	Upstream		Downstream	
Scenario:	Proposed_4-22	Invert:	-0.800 ft	Invert:	-1.000 ft
From Node:	S-108	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N-BTW-06	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: L-BTWP-43		Upstream	Downstream
Scenario:	Proposed_4-22	Invert: -1.900 ft	Invert: -1.950 ft
From Node:	N-BTW-42B	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N-BTW-43	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Information from Hyatt Survey 11/2025. Length and DS invert estimated
--

Weir Link: L-BTWW-01			
Scenario:	Proposed_4-22	Bottom Clip	
From Node:	N-BTW-01B	Default:	0.00 ft
To Node:	N-BTW-01	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Horizontal	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	2.180 ft	Discharge Coefficients	
Control Elevation:	2.180 ft	Weir Default:	2.600
Max Depth:	2.00 ft	Weir Table:	
Max Width:	3.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.
--

Weir Link: L-BTWW-02			
Scenario:	Proposed_4-22	Bottom Clip	
From Node:	N-BTW-02B	Default:	0.00 ft
To Node:	N-BTW-02	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.410 ft
Control Elevation: 2.410 ft
Max Depth: 2.00 ft
Max Width: 2.00 ft
Fillet: 0.00 ft

Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-02B

Scenario: Proposed_4-22
From Node: N-BTW-02B
To Node: N-BTW-01B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.741 ft
Control Elevation: 2.741 ft
Cross Section: X-BTWW-02B

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-04B

Scenario: Proposed_4-22
From Node: N-BTW-04
To Node: N-BTW-03
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.137 ft
Control Elevation: 2.137 ft
Cross Section: X-BTWW-04B

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation from 2018 LiDAR

Weir Link: L-BTWW-04C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-108	Default: 0.00 ft
To Node:	N-BTW-06	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.212 ft	Discharge Coefficients
Control Elevation:	2.212 ft	Weir Default: 2.600
Cross Section:	X-BTWW-04C	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: invert and control elevation based off 2018 lidar

Weir Link: L-BTWW-04D

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-04	Default: 0.00 ft
To Node:	N-BTW-01B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.665 ft	Discharge Coefficients
Control Elevation:	2.665 ft	Weir Default: 2.600
Cross Section:	X-BTWW-04D	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: invert and control elevation based ON 2018 LIDAR

Weir Link: L-BTWW-04E

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-108	Default: 0.00 ft
To Node:	N_BNDY	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.750 ft	Discharge Coefficients
Control Elevation:	2.750 ft	Weir Default: 2.600
Cross Section:	X-BTWW-04E	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based off proposed.

Weir Link: L-BTWW-05B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-05	Default: 0.00 ft
To Node:	N-BTW-04	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.600 ft	Discharge Coefficients
Control Elevation:	2.600 ft	Weir Default: 2.600
Cross Section:	X-BTWW-05B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-05C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-05	Default: 0.00 ft
To Node:	N-BTW-03	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Paved Road Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.600 ft	Discharge Coefficients
Control Elevation:	2.600 ft	Weir Default: 2.600
Cross Section:	X-BTWW-05C	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on Proposed.

Weir Link: L-BTWW-05D

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-110	Default: 0.00 ft
To Node:	N-BTW-07	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.347 ft
Control Elevation: 2.347 ft
Cross Section: X-BTWW-05D

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based off 2018 LIDAR.

Weir Link: L-BTWW-08B

Scenario: Proposed_4-22
From Node: S-114
To Node: S-116
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.060 ft
Control Elevation: 3.060 ft
Cross Section: X-BTWW-08B

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-08C

Scenario: Proposed_4-22
From Node: N-BTW-08
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.860 ft
Control Elevation: 2.860 ft
Cross Section: X-BTWW-08C

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-09B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-09	Default: 0.00 ft
To Node:	N-BTW-08	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.720 ft	Discharge Coefficients
Control Elevation:	2.720 ft	Weir Default: 2.600
Cross Section:	X-BTWW-09B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-09C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-07	Default: 0.00 ft
To Node:	S-115	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.523 ft	Discharge Coefficients
Control Elevation:	2.523 ft	Weir Default: 2.600
Cross Section:	X-BTWW-09C	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-09D

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-125	Default: 0.00 ft
To Node:	N-BTW-15	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.149 ft	Discharge Coefficients
Control Elevation:	3.149 ft	Weir Default: 2.600
Cross Section:	X-BTWW-09D	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-10B

Scenario: Proposed_4-22
From Node: N-BTW-10
To Node: N-BTW-11
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.858 ft
Control Elevation: 2.858 ft
Cross Section: X-BTWW-10B

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-10C

Scenario: Proposed_4-22
From Node: N-BTW-08
To Node: N-BTW-10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.280 ft
Control Elevation: 3.280 ft
Cross Section: X-BTWW-10C

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-10D

Scenario: Proposed_4-22
From Node: N-BTW-10
To Node: N_BNDY
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.696 ft
Control Elevation: 2.696 ft
Cross Section: X-BTWW-10D

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-11

Scenario: Proposed_4-22
From Node: N-BTW-11
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.049 ft
Control Elevation: 2.049 ft
Cross Section: X-BTWW-11

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-12

Scenario: Proposed_4-22
From Node: N-BTW-12
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 0.946 ft
Control Elevation: 0.946 ft
Cross Section: X-BTWW-12

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-13

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-13	Default: 0.00 ft
To Node:	N-BTW-15A	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.644 ft	Discharge Coefficients
Control Elevation:	3.644 ft	Weir Default: 2.600
Cross Section:	X-BTWW-13	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-13B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-13	Default: 0.00 ft
To Node:	N-BTW-09	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.810 ft	Discharge Coefficients
Control Elevation:	2.810 ft	Weir Default: 2.600
Cross Section:	X-BTWW-13B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-14

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-14	Default: 0.00 ft
To Node:	N-BTW-13	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.153 ft	Discharge Coefficients
Control Elevation:	3.153 ft	Weir Default: 2.600
Cross Section:	X-BTWW-14	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-14A

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-14A	Default: 0.00 ft
To Node:	N-BTW-14B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	0.800 ft	Discharge Coefficients
Control Elevation:	0.800 ft	Weir Default: 3.200
Max Depth:	3.45 ft	Weir Table:
Max Width:	4.33 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Proposed

Weir Link: L-BTWW-14B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-14A	Default: 0.00 ft
To Node:	N-BTW-14B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.320 ft	Discharge Coefficients
Control Elevation:	4.320 ft	Weir Default: 2.600
Max Depth:	3.33 ft	Weir Table:
Max Width:	4.50 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Information from Hyatt Survey Services (02/2022)

Weir Link: L-BTWW-15B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-11	Default: 0.00 ft
To Node:	N-BTW-15	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.459 ft
Control Elevation: 2.459 ft
Cross Section: X-BTWW-15B

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-16

Scenario: Proposed_4-22
From Node: N-BTW-16B
To Node: N-BTW-05
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.386 ft
Control Elevation: 2.386 ft
Cross Section: X-BTWW-16

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 lidar

Weir Link: L-BTWW-16B

Scenario: Proposed_4-22
From Node: N-BTW-16B
To Node: N-BTW-16
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 1.280 ft
Control Elevation: 1.280 ft
Max Depth: 3.00 ft
Max Width: 4.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-16C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-16B	Default: 0.00 ft
To Node:	N-BTW-17B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.387 ft	Discharge Coefficients
Control Elevation:	3.387 ft	Weir Default: 2.600
Cross Section:	X-BTWW-16C	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-17

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-17B	Default: 0.00 ft
To Node:	N-BTW-18B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.764 ft	Discharge Coefficients
Control Elevation:	2.764 ft	Weir Default: 2.600
Cross Section:	X-L-BTWW-17	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-17B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-17B	Default: 0.00 ft
To Node:	N-BTW-17	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.310 ft	Discharge Coefficients
Control Elevation:	2.310 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-17C

Scenario: Proposed_4-22
From Node: N-BTW-17B
To Node: S-110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.475 ft
Control Elevation: 3.475 ft
Cross Section: X-BTWW-17C

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-18

Scenario: Proposed_4-22
From Node: N-BTW-18B
To Node: N-BTW-07
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.043 ft
Control Elevation: 3.043 ft
Cross Section: X-BTWW-18

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-18B

Scenario: Proposed_4-22
From Node: N-BTW-18B
To Node: N-BTW-19B
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.141 ft
Control Elevation: 2.141 ft
Cross Section: X-BTWW-18B

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-18C

Scenario: Proposed_4-22
From Node: N-BTW-18B
To Node: N-BTW-18
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 1.600 ft
Control Elevation: 1.600 ft
Max Depth: 3.00 ft
Max Width: 4.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-19

Scenario: Proposed_4-22
From Node: N-BTW-19B
To Node: N-BTW-20B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.087 ft
Control Elevation: 2.087 ft
Cross Section: X-BTWW-19

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-19B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-19B	Default: 0.00 ft
To Node:	N-BTW-07	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.189 ft	Discharge Coefficients
Control Elevation:	3.189 ft	Weir Default: 2.600
Cross Section:	X-BTWW-19B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-19C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-19B	Default: 0.00 ft
To Node:	N-BTW-19	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	1.810 ft	Discharge Coefficients
Control Elevation:	1.810 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Invert data and control elevation based on Survey Data collected 07-2025, by Hyatt.

Weir Link: L-BTWW-20

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-20B	Default: 0.00 ft
To Node:	N-BTW-28B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.442 ft	Discharge Coefficients
Control Elevation:	3.442 ft	Weir Default: 2.600
Cross Section:	X-BTWW-20	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-20B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-20B	Default: 0.00 ft
To Node:	N-BTW-07	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.540 ft	Discharge Coefficients
Control Elevation:	3.540 ft	Weir Default: 2.600
Cross Section:	X-BTWW-20B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-20C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-20B	Default: 0.00 ft
To Node:	N-BTW-20	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.750 ft	Discharge Coefficients
Control Elevation:	2.750 ft	Weir Default: 2.600
Max Depth:	3.00 ft	Weir Table:
Max Width:	4.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Weir Link: L-BTWW-21

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-21B	Default: 0.00 ft
To Node:	N-BTW-16B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.035 ft
Control Elevation: 3.035 ft
Cross Section: X-BTWW-21

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-2120

Scenario: Proposed_4-22
From Node: N-BTW-41
To Node: N-BTW-40
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.475 ft
Control Elevation: 4.475 ft
Cross Section: X-BTWW-41

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-2140

Scenario: Proposed_4-22
From Node: S-125
To Node: N-BTW-11
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.836 ft
Control Elevation: 2.836 ft
Cross Section: X-BTWW-2140

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-2150

Scenario: Proposed_4-22
From Node: N-BTW-24B
To Node: N-BTW-30B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 1.000 ft
Control Elevation: 1.000 ft
Cross Section: X-BTWW-2150

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2160

Scenario: Proposed_4-22
From Node: N-BTW-30B
To Node: N-BTW-31B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 1.000 ft
Control Elevation: 1.000 ft
Cross Section: X-BTWW-2160

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2161

Scenario: Proposed_4-22
From Node: N-BTW-39
To Node: N-BTW-39B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 1.200 ft
Control Elevation: 1.200 ft
Max Depth: 3.00 ft
Max Width: 2.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Weir Link: L-BTWW-2170

Scenario: Proposed_4-22
From Node: N-BTW-31B
To Node: N-BTW-32B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 1.000 ft
Control Elevation: 1.000 ft
Cross Section: X-BTWW-2170

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2180

Scenario: Proposed_4-22
From Node: N-BTW-32B
To Node: N-BTW-34B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 1.877 ft
Control Elevation: 1.877 ft
Cross Section: X-BTWW-2180

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2190

Scenario: Proposed_4-22
From Node: N-BTW-32B
To Node: N-BTW-33B
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.108 ft
Control Elevation: 2.108 ft
Cross Section: X-BTWW-2190

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-22

Scenario: Proposed_4-22
From Node: N-BTW-28B
To Node: N-BTW-22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.463 ft
Control Elevation: 3.463 ft
Cross Section: X-BTWW-22

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-2200

Scenario: Proposed_4-22
From Node: N-BTW-34B
To Node: N-BTW-35B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.385 ft
Control Elevation: 2.385 ft
Cross Section: X-BTWW-2200

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-2210

Scenario: Proposed_4-22
From Node: N-BTW-34B
To Node: N-BTW-33B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.154 ft
Control Elevation: 2.154 ft
Cross Section: X-BTWW-2210

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2220

Scenario: Proposed_4-22
From Node: N-BTW-35B
To Node: N-BTW-36B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 0.288 ft
Control Elevation: 0.288 ft
Cross Section: X-BTWW-2220

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2230

Scenario: Proposed_4-22
From Node: N-BTW-36B
To Node: N-BTW-37
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.604 ft
Control Elevation: 2.604 ft
Cross Section: X-BTWW-2230

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-23B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-23B	Default: 0.00 ft
To Node:	N-BTW-24B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	1.610 ft	Discharge Coefficients
Control Elevation:	1.610 ft	Weir Default: 2.600
Cross Section:	X-BTWW-23B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-25

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-25B	Default: 0.00 ft
To Node:	N-BTW-14	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.594 ft	Discharge Coefficients
Control Elevation:	3.594 ft	Weir Default: 2.600
Cross Section:	X-BTWW-25	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-25B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-25B	Default: 0.00 ft
To Node:	N-BTW-25	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping:	0.0000 ft	
Weir Type:	Horizontal	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	2.980 ft	Ref Node:
Control Elevation:	2.980 ft	Discharge Coefficients
Max Depth:	3.00 ft	Weir Default: 2.600
Max Width:	4.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Weir Link: L-BTWW-26

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-26B	Default: 0.00 ft
To Node:	N-BTW-25B	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.994 ft	Discharge Coefficients
Control Elevation:	2.994 ft	Weir Default: 2.600
Cross Section:	X-BTWW-26	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-2660

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-101	Default: 0.00 ft
To Node:	S-100	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.920 ft	Discharge Coefficients
Control Elevation:	2.920 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2660	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2670

Scenario: Proposed_4-22
From Node: S-100
To Node: N-BTW-05
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 1.844 ft
Control Elevation: 1.844 ft
Cross Section: X-BTWW-2670

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2690

Scenario: Proposed_4-22
From Node: S-115
To Node: S-117
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.137 ft
Control Elevation: 3.137 ft
Cross Section: X-BTWW-2690

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-26B

Scenario: Proposed_4-22
From Node: N-BTW-26B
To Node: N-BTW-26
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.240 ft
Control Elevation: 2.240 ft
Max Depth: 3.00 ft
Max Width: 4.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Information from ERP #44.28959.0, with NGVD29 to NAVD88 conversion of -1.08

Weir Link: L-BTWW-26C

Scenario: Proposed_4-22
From Node: N-BTW-26B
To Node: N-BTW-44
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.337 ft
Control Elevation: 3.337 ft
Cross Section: X-BTWW-26C

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-27

Scenario: Proposed_4-22
From Node: N-BTW-27B
To Node: N-BTW-26B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 1.796 ft
Control Elevation: 1.796 ft
Cross Section: X-BTWW-27

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-2700

Scenario: Proposed_4-22
From Node: S-114
To Node: S-115
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.060 ft
Control Elevation: 3.060 ft
Cross Section: X-BTWW-2700

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2710

Scenario: Proposed_4-22
From Node: S-116
To Node: S-117
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.970 ft
Control Elevation: 2.970 ft
Cross Section: X-BTWW-2710

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2720

Scenario: Proposed_4-22
From Node: S-124
To Node: N-BTW-13
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.966 ft
Control Elevation: 3.966 ft
Cross Section: X-BTWW-2720

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2730

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-101	Default: 0.00 ft
To Node:	N-BTW-03	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.920 ft	Discharge Coefficients
Control Elevation:	2.920 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2730	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2740

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-04	Default: 0.00 ft
To Node:	S-105	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.600 ft	Discharge Coefficients
Control Elevation:	2.600 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2740	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2750

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-105	Default: 0.00 ft
To Node:	S-107	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.790 ft	Discharge Coefficients
Control Elevation:	2.790 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2750	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2770

Scenario: Proposed_4-22
From Node: S-107
To Node: S-110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.037 ft
Control Elevation: 2.037 ft
Cross Section: X-BTWW-2770

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2780

Scenario: Proposed_4-22
From Node: S-105
To Node: S-108
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.850 ft
Control Elevation: 2.850 ft
Cross Section: X-BTWW-2780

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2790

Scenario: Proposed_4-22
From Node: N-BTW-05
To Node: S-107
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.059 ft
Control Elevation: 2.059 ft
Cross Section: X-BTWW-2790

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-27B

Scenario: Proposed_4-22
From Node: N-BTW-27B
To Node: N-BTW-27
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Horizontal
Geometry Type: Rectangular
Invert: 2.020 ft
Control Elevation: 2.020 ft
Max Depth: 3.00 ft
Max Width: 4.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Information from ERP #44.28959.0, with NGVD29 to NAVD88 conversion of -1.08

Weir Link: L-BTWW-27C

Scenario: Proposed_4-22
From Node: N-BTW-27B
To Node: N-BTW-43
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.705 ft
Control Elevation: 2.705 ft
Cross Section: X-BTWW-27C

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-27D

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-27B	Default: 0.00 ft
To Node:	N-BTW-44	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.523 ft	Discharge Coefficients
Control Elevation:	3.523 ft	Weir Default: 2.600
Cross Section:	X-BTWW-27D	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-28

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-28B	Default: 0.00 ft
To Node:	S-115	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.469 ft	Discharge Coefficients
Control Elevation:	3.469 ft	Weir Default: 2.600
Cross Section:	X-BTWW-28	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-2800

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-108	Default: 0.00 ft
To Node:	S-110	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.690 ft	Discharge Coefficients
Control Elevation:	2.690 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2800	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2810

Scenario: Proposed_4-22
From Node: N-BTW-20B
To Node: S-115
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.152 ft
Control Elevation: 3.152 ft
Cross Section: X-BTWW-2810

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2820

Scenario: Proposed_4-22
From Node: S-117
To Node: N-BTW-14
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.172 ft
Control Elevation: 3.172 ft
Cross Section: X-BTWW-2820

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2830

Scenario: Proposed_4-22
From Node: N-BTW-06
To Node: S-114
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.530 ft
Control Elevation: 2.530 ft
Cross Section: X-BTWW-2830

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2840

Scenario: Proposed_4-22
From Node: S-116
To Node: S-118
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.371 ft
Control Elevation: 2.371 ft
Cross Section: X-BTWW-2840

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2850

Scenario: Proposed_4-22
From Node: S-117
To Node: S-119
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.781 ft
Control Elevation: 2.781 ft
Cross Section: X-BTWW-2850

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2860

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-118	Default: 0.00 ft
To Node:	S-119	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.560 ft	Discharge Coefficients
Control Elevation:	2.560 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2860	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2870

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-118	Default: 0.00 ft
To Node:	N-BTW-08	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.560 ft	Discharge Coefficients
Control Elevation:	2.560 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2870	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2880

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-125	Default: 0.00 ft
To Node:	N-BTW-13	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	4.217 ft	Discharge Coefficients
Control Elevation:	4.217 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2880	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-2890

Scenario: Proposed_4-22
From Node: S-125
To Node: S-124
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.280 ft
Control Elevation: 3.280 ft
Cross Section: X-BTWW-2890

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-28B

Scenario: Proposed_4-22
From Node: N-BTW-28B
To Node: N-BTW-14
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.582 ft
Control Elevation: 3.582 ft
Cross Section: X-BTWW-28B

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LiDAR

Weir Link: L-BTWW-28C

Scenario: Proposed_4-22
From Node: N-BTW-28B
To Node: N-BTW-28
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping:	0.0000 ft	
Weir Type:	Horizontal	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	3.790 ft	Ref Node:
Control Elevation:	3.790 ft	Discharge Coefficients
Max Depth:	3.00 ft	Weir Default: 2.600
Max Width:	4.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment: Pipe information estimated based on Survey Data by Hyatt collected on 07-2025.

Weir Link: L-BTWW-2900

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-08	Default: 0.00 ft
To Node:	S-124	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.264 ft	Discharge Coefficients
Control Elevation:	2.264 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2900	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2910

Scenario:	Proposed_4-22	Bottom Clip
From Node:	S-125	Default: 0.00 ft
To Node:	N-BTW-10	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	2.667 ft	Discharge Coefficients
Control Elevation:	2.667 ft	Weir Default: 2.600
Cross Section:	X-BTWW-2910	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2930

Scenario: Proposed_4-22
From Node: N-BTW-09
To Node: S-124
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.860 ft
Control Elevation: 2.860 ft
Cross Section: X-BTWW-2930

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2940

Scenario: Proposed_4-22
From Node: S-119
To Node: N-BTW-09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.580 ft
Control Elevation: 2.580 ft
Cross Section: X-BTWW-2940

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Weir Link: L-BTWW-2950

Scenario: Proposed_4-22
From Node: S-119
To Node: N-BTW-14
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.181 ft
Control Elevation: 3.181 ft
Cross Section: X-BTWW-2950

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2960

Scenario: Proposed_4-22
From Node: S-107
To Node: N-BTW-16B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.345 ft
Control Elevation: 2.345 ft
Cross Section: X-BTWW-2960

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2970

Scenario: Proposed_4-22
From Node: S-110
To Node: N-BTW-16B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.388 ft
Control Elevation: 2.388 ft
Cross Section: X-BTWW-2970

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2980

Scenario: Proposed_4-22
From Node: S-105
To Node: N-BTW-01B
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.719 ft
Control Elevation: 2.719 ft
Cross Section: X-BTWW-2980

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-2990

Scenario: Proposed_4-22
From Node: N-BTW-01B
To Node: S-108
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.179 ft
Control Elevation: 3.179 ft
Cross Section: X-BTWW-2990

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-3000

Scenario: Proposed_4-22
From Node: N-BTW-03
To Node: N-BTW-02B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.842 ft
Control Elevation: 2.842 ft
Cross Section: X-BTWW-3000

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Invert and control elevation based on 2018 LIDAR

Weir Link: L-BTWW-3010

Scenario: Proposed_4-22
From Node: N-BTW-06
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.996 ft
Control Elevation: 2.996 ft
Cross Section: X-BTWW-3010

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-3020

Scenario: Proposed_4-22
From Node: S-114
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.503 ft
Control Elevation: 3.503 ft
Cross Section: X-BTWW-3020

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-3030

Scenario: Proposed_4-22
From Node: S-116
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.143 ft
Control Elevation: 3.143 ft
Cross Section: X-BTWW-3030

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-3040

Scenario: Proposed_4-22
From Node: S-118
To Node: N_BNDY
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.651 ft
Control Elevation: 3.651 ft
Cross Section: X-BTWW-3040

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-39

Scenario: Proposed_4-22
From Node: N-BTW-39
To Node: N-BTW-40
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.530 ft
Control Elevation: 2.530 ft
Cross Section: X-BTWW-39

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-40

Scenario: Proposed_4-22
From Node: N-BTW-40
To Node: N-BTW-42B
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.861 ft
Control Elevation: 3.861 ft
Cross Section: X-BTWW-40

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-40B

Scenario: Proposed_4-22
From Node: N-BTW-40
To Node: N-BTW-27B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.631 ft
Control Elevation: 3.631 ft
Cross Section: X-BTWW-40B

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-40C

Scenario: Proposed_4-22
From Node: N-BTW-40
To Node: N-BTW-49
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.391 ft
Control Elevation: 3.391 ft
Cross Section: X-BTWW-40C

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-42

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-42B	Default: 0.00 ft
To Node:	N-BTW-42	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Horizontal	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	2.040 ft	Discharge Coefficients
Control Elevation:	2.040 ft	Weir Default: 2.600
Max Depth:	2.00 ft	Weir Table:
Max Width:	3.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Grate size is estimated, info based on Hyatt Survey 11/2025

Weir Link: L-BTWW-42B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-42B	Default: 0.00 ft
To Node:	N-BTW-43	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.653 ft	Discharge Coefficients
Control Elevation:	3.653 ft	Weir Default: 2.600
Cross Section:	X-BTWW-42B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-43

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-43	Default: 0.00 ft
To Node:	N-BTW-44	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.270 ft	Discharge Coefficients
Control Elevation:	3.270 ft	Weir Default: 2.600
Cross Section:	X-BTWW-43	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-43B

Scenario: Proposed_4-22
From Node: N-BTW-43
To Node: N-BTW-45
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.602 ft
Control Elevation: 3.602 ft
Cross Section: X-BTWW-43B

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-44

Scenario: Proposed_4-22
From Node: N-BTW-44
To Node: N-BTW-14
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.742 ft
Control Elevation: 2.742 ft
Cross Section: X-BTWW-44

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-45

Scenario: Proposed_4-22
From Node: N-BTW-44
To Node: N-BTW-45
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.115 ft
Control Elevation: 4.115 ft
Cross Section: X-BTWW-45

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-45B

Scenario: Proposed_4-22
From Node: N-BTW-45
To Node: N-BTW-46
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.718 ft
Control Elevation: 2.718 ft
Cross Section: X-BTWW-45B

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-45C

Scenario: Proposed_4-22
From Node: N-BTW-47
To Node: N-BTW-45
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.273 ft
Control Elevation: 4.273 ft
Cross Section: X-BTWW-45C

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-46

Scenario: Proposed_4-22
From Node: N-BTW-46
To Node: N-BTW-53
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.768 ft
Control Elevation: 3.768 ft
Cross Section: X-BTWW-46

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-46B

Scenario: Proposed_4-22
From Node: N-BTW-46
To Node: N-BTW-13
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.896 ft
Control Elevation: 3.896 ft
Cross Section: X-BTWW-46B

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-47B

Scenario: Proposed_4-22
From Node: N-BTW-47
To Node: N-BTW-52
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.776 ft
Control Elevation: 3.776 ft
Cross Section: X-BTWW-47B

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-48

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-48	Default: 0.00 ft
To Node:	N-BTW-52	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.520 ft	Discharge Coefficients
Control Elevation:	3.520 ft	Weir Default: 2.600
Cross Section:	X-BTWW-48	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-48B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-48	Default: 0.00 ft
To Node:	N-BTW-47	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.786 ft	Discharge Coefficients
Control Elevation:	3.786 ft	Weir Default: 2.600
Cross Section:	X-BTWW-48B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-48C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-47	Default: 0.00 ft
To Node:	N-BTW-46	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.588 ft
Control Elevation: 3.588 ft
Cross Section: X-BTWW-48C

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-49

Scenario: Proposed_4-22
From Node: N-BTW-49
To Node: N-BTW-51
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.915 ft
Control Elevation: 3.915 ft
Cross Section: X-BTWW-49

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-49B

Scenario: Proposed_4-22
From Node: N-BTW-49
To Node: N-BTW-48
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.184 ft
Control Elevation: 4.184 ft
Cross Section: X-BTWW-49B

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-50

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-50	Default: 0.00 ft
To Node:	N-BTW-54	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.400 ft	Discharge Coefficients
Control Elevation:	3.400 ft	Weir Default: 2.600
Cross Section:	X-BTWW-50	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment: Elevation based on ERP #43043470.002

Weir Link: L-BTWW-50B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-50	Default: 0.00 ft
To Node:	N-BTW-49	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	4.220 ft	Discharge Coefficients
Control Elevation:	4.220 ft	Weir Default: 2.600
Cross Section:	X-BTWW-50B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-50C

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-50	Default: 0.00 ft
To Node:	N-BTW-51	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	3.046 ft	Discharge Coefficients
Control Elevation:	3.046 ft	Weir Default: 2.600
Cross Section:	X-BTWW-50C	Weir Table:
		Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-51

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-51	Default: 0.00 ft
To Node:	N-BTW-52	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	4.418 ft	Discharge Coefficients
Control Elevation:	4.418 ft	Weir Default: 2.600
Cross Section:	X-BTWW-51	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-51B

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-56B	Default: 0.00 ft
To Node:	N-BTW-51	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Irregular	Ref Node:
Invert:	5.039 ft	Discharge Coefficients
Control Elevation:	5.039 ft	Weir Default: 2.600
Cross Section:	X-BTWW-51B	Weir Table:
		Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: L-BTWW-52

Scenario:	Proposed_4-22	Bottom Clip
From Node:	N-BTW-52	Default: 0.00 ft
To Node:	N-BTW-53	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.597 ft
Control Elevation: 3.597 ft
Cross Section: X-BTWW-52

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-53

Scenario: Proposed_4-22
From Node: N-BTW-53
To Node: N-BTW-13
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.687 ft
Control Elevation: 3.687 ft
Cross Section: X-BTWW-53

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-54

Scenario: Proposed_4-22
From Node: N-BTW-54
To Node: N-BTW-51
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.040 ft
Control Elevation: 2.040 ft
Cross Section: X-BTWW-54

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: L-BTWW-56

Scenario: Proposed_4-22
From Node: N-BTW-56B
To Node: N-BTW-57
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.134 ft
Control Elevation: 4.134 ft
Cross Section: X-BTWW-56

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-BTWW-57

Scenario: Proposed_4-22
From Node: N-BTW-57
To Node: N-BTW-58
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.126 ft
Control Elevation: 4.126 ft
Cross Section: X-BTWW-57

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: L-L-BTWW-07B

Scenario: Proposed_4-22
From Node: N-BTW-07
To Node: N-BTW-06
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.530 ft
Control Elevation: 2.530 ft
Cross Section: X-BTWW-07B

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Invert and control elevation based on proposed.

Simulation: a. 100YR24HR

Scenario: Proposed_4-22
Run Date/Time: 4/23/2026 10:04:44 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: 25YR24HR-MHHWL
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	Ia/S: 0.20 dec
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
Max dZ: 1.5000 ft	Opt:
Link Optimizer Tol: 0.0001 ft	
	Rainfall Name: ~FLMOD
	Rainfall Amount: 12.30 in
	Storm Duration: 24.0000 hr
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 100 ft2
	(1D):
	Energy Switch (1D): Energy

Comment: Rainfall from NOAA Atlas 14

Simulation: b. 25YR24HR

Scenario: Proposed_4-22
 Run Date/Time: 4/23/2026 10:17:14 AM
 Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
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Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: 25YR24HR-MHHWL

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.5000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Global

Opt:

Rainfall Name: ~FLMOD

Rainfall Amount: 8.88 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 100 ft2

(1D):

Energy Switch (1D): Energy

Comment: Rainfall from NOAA Atlas 14

Simulation: c. 10YR24HR

Scenario: Proposed_4-22

Run Date/Time: 4/23/2026 10:30:10 AM

Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time: 0 0 0 30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: 25YR24HR-MHHWL
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.5000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain: Global
Opt:

Rainfall Name: ~FLMOD
Rainfall Amount: 7.06 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area: 100 ft2
(1D):
Energy Switch (1D): Energy

Comment: Rainfall from NOAA Atlas 14

Simulation: d. 2.33YR24HR

Scenario: Proposed_4-22
Run Date/Time: 4/23/2026 10:42:01 AM
Program Version: StormWise 4.08.03

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: 25YR24HR-MHHWL
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.5000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec
Smp/Man Basin Rain Global
Opt:
Rainfall Name: ~FLMOD
Rainfall Amount: 4.82 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment: Rainfall from NOAA Atlas 14