RESERVOIR - LAKE FANTASIA

LAKE FANTASIA

GAZEBO DOES NOT EXISTING ANY LONGER

GAZEBO

Y:1284162.4326
X:543472.6811
Z:21.3

EXISTING PUMP: EBARA MODEL NUMBER C-EFT6A
CAPACITY 1000 GPM @ HEAD 58
EXISTING MOTOR: BALDOR CAT. NUMBER EM2531T SPEC 40G048X793, FRAM 284 T HP 25, RPM 1770, PHASE 3, DES. B VOLTS 230/460, CODE G, AMPS 60/30 RATING 40C AMB-CONT, NEMA NAM. EFF. 93.6

PUMP

I-75

ALLIGATOR ALLEY

OCALA

NORTH
1"= 40'

TOP OF DECK
WOOD DECK
CONC. S/W
TOP OF DECK (CORNER OF DECK)
TOP OF DECK (CORNER OF DECK)
CONC. PAD
PIPE ELBOW EL. = 24.64'
PIPE INTO GROUND EL. = 22.47'
PIPE ELBOW EL. = 28.10'
PIPE ELBOW EL. = 25.34'
PIPE INTO GROUND EL. = 22.39'
TOP OF PUMP EL. = 28.10'
PIPE ELBOW EL. = 28.05'
PIPE INTO GROUND EL. = 24.38'
10

N: 1,284,177.29'
E: 543,305.56'

N 77°52'22" E 149.58'(P)
S 72°03'51" E 62.17'(P)
N 86°58'03" E 55.59'(P)

LOT 123

N: 1,284,192.51'
E: 543,566.47'

5.0' E.P.U.E.

CURB INLET
TOP EL. = 23.23'
BOTTOM EL. = 18.31'
(NW) INV. EL. = 17.34' (24" R.C.P.)
(NI) INV. EL. = 17.63' (24" R.C.P.)
(E) INV. EL. = 20.15' (24" R.C.P.)

CURB INLET
TOP EL. = 23.42'
BOTTOM EL. = 18.22'
(S) INV. EL. = 17.88'
(PIPE IS UNKNOWN)

Y:1284087.7520
X:543705.8749
Z:21.09

GAZEBO WAY
50' RIGHT OF WAY
ASPHALT PAVEMENT WIDTH VARIES

60.0'

CONNECT TO EXISTING STORM 4" FM

N. LINE OF LOT 69

11

10+00

ASSUMED EXISTING STORMWATER PIPE FROM LAKE

CURB INLET
TOP EL. = 22.77'
BOTTOM EL. = 16.71'
(NW) INV. EL. = 16.55' (PIPE IS UNKNOWN)
(SE) INV. EL. = 16.95' (PIPE IS UNKNOWN)

ASSUMED EXISTING
ORCE
MENT

EXISTING STORMWATER FORCE MAIN ALIGNMENT

E.P.C. WETLAND CONSERVATION AREA "A"
(UPLAND CUT-YAN MAA POND)

N 01°02'35" W 177.83'(P)

S 03°01'57" E 278.46'(P)

FANTASIA PARK WAY
60' RIGHT OF WAY
ASPHALT PAVEMENT

LOT 68
LOT 67
LOT 66
LOT 65
LOT 64

EASTERLY BOUNDARY OF LAKE FANTASIA
(PLAT BOOK 84, PAGE 39)

WEST RIGHT-OF-WAY LINE OF woodlawn way

EAST RIGHT-OF-WAY LINE OF woodlawn way

SURVEY CONTROL POINT #1
N:1,284,192.51'
E:543,760.07'
EL:23.39

11+00

12+00

13+00

14+00

15+00

16+00

17+00

18+00

19+00

20+00

21+00

N: 1,283,914.44'
E: 543,581.20'

S 88°57'25" W 160.28'(P)

N: 1,283,911.52'
E: 543,420.95'

N 01°02'35" W 30.00'(P)

LOT 25

LOT 24

5.0' E.P.U.E.

LAKE FANTASIA
(PLAT BOOK 84, PAGE 39)

WOOD DECK

PROPOSED STORMWATER FORCE MAIN ALIGNMENT

PROPOSED STORM 4" FM INSIDE EXISTING 24" PVC

EAST BORROW PIT

PIPES (TYPICAL)
SEE EPANET NETWORK MAP OUTPUT FOR NAMING CONVENTION

JUNCTION (TYPICAL)

RIVERVIEW DRIVE

13 Y:1283636.3583 X:543726.0161 Z:21.62

14 Y:1283629.5001 X:543726.1043 Z:21.63

15 Y:1283627.1950 X:543726.1141 Z:19.13

16 Y:1283600.1597 X:543726.3034 Z:19.13

17 Y:1283586.9073 X:543726.3962 Z:19.66

18 Y:1283558.7110 X:543726.5936 Z:19.66

19 Y:1283556.2899 X:543726.6191 Z:17.26

20 Y:1283535.8977 X:543726.7505 Z:17.18 CHANGE TO 6"

21 Y:1283534.2006 X:543744.8553 Z:15.43

22 Y:1283536.0459 X:543882.1555 Z:15.43

PROPOSED STORM 6" FM

23 Y:1283541.6573 X:544124.0719 Z:15.39

24 Y:1283546.3475 X:544274.3475 Z:14.69

25 Y:1283543.2310 X:544277.7707 Z:14.64

I-75 OVERPASS

SOUTH BOUND TRAFFIC DIRECTION

MEDIAN

NORTH BOUND TRAFFIC DIRECTION

INTERSTATE ROUTE #75

36" OVERPASS SUPPORT COLUMNS (TYPICAL)

EMBANKMENT

CONCRETE

ASPHALT

RIVERVIEW DRIVE

Structure (#2)
TOP=5.60
INV IN=11.76

INV. EL. = 20.08'
INV. EL. = 20.01'

39' RECEIVING PIT
CONNECT PROPOSED 6" FORCMAIN TO EX DBI STA 20+96.98

GRATE TOP DRAINAGE INLET
TOP EL. = 19.67
(N) INV. EL. = 10.17' (48" R.C.P.)
(S) INV. EL. = 10.07' (48" R.C.P.)
(W) INV. EL. = 16.33' (12" P.V.C.)

GRATE TOP DRAINAGE INLET
TOP EL. = 21.38'
(E) INV. EL. = 10.42' (48" R.C.P.)
(S) INV. EL. = 10.52' (48" R.C.P.)
(W) INV. EL. = 11.76' (30" R.C.P.)

GRATE TOP DRAINAGE INLET
TOP EL. = 20.00'
(E, W) INV. EL. = 15.90' (30" R.C.P.)

MARTINEZ EASEMENT STRUCTURE S-6 WHERE FORCE MAIN WILL DISCHARGE

N:1283545.3171
E:544283.3453

RESERVOIR - S-6

SURVEY CONTROL POINT #2
N:1,283,577.04
E:543,803.81
EL:23.76

F.I.P. 1/2"

I-75 RIGHT-OF-WAY LINE

RIGHT-OF-WAY LINE (AS MONUMENTED)

PARCEL "D" 637

CONCRETE SIDEWALK

WAY LINE PER PLAT (PLAT BOOK 84, PAGE 39)

BRICK WALL LOT 63 BRICK CHIMNEY (TYPICAL)

GATE

EDGE OF PAVEMENT

EDGE OF PAVEMENT (TYPICAL)

PROPOSED 6" FORCMAIN TO MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION FROM SUPPORT COLUMNS

PREPARED FOR
PERMITTING
CONSTRUCTION

JIM ZINNER PE LLC
CIVIL ENGINEERING SERVICES
James Y. Zinner, Professional Engineer
1103 North Wheeler Street, Suite D
Plant City, Florida 33563
813-480-8708
jimzinner@gmail.com

SHEET NAME:

PROPOSED STORM-WATER FORCE MAIN INPUT DIAGRAM

PROJECT NAME:

LAKE FANTASIA DRAINAGE IMPROVEMENTS

PREPARED FOR:
LAKE FANTASIA HOA
8350 FANTASIA PARK WAY,
RIVERVIEW, FL 33578

Scale:		Designed:	CM
Start Date:	8/29/23	Drawn:	CM
Job No.:		Checked:	JZ
File:		Approved:	

No.	Revision Description	Date
1		
2		
3		
4		
5		
6		

JAMES YANCEY ZINNER, PE #44211

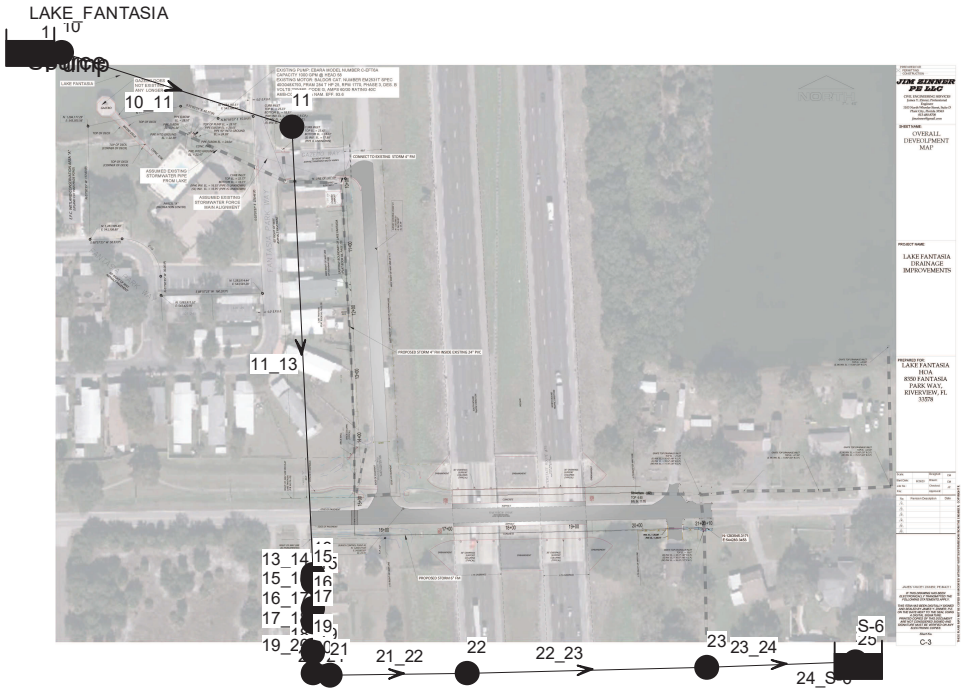
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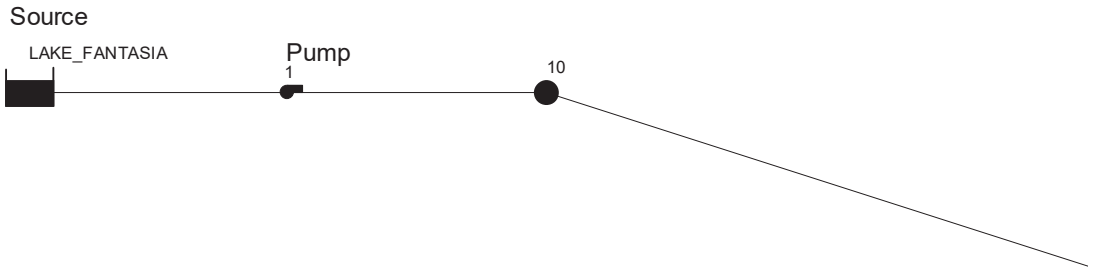
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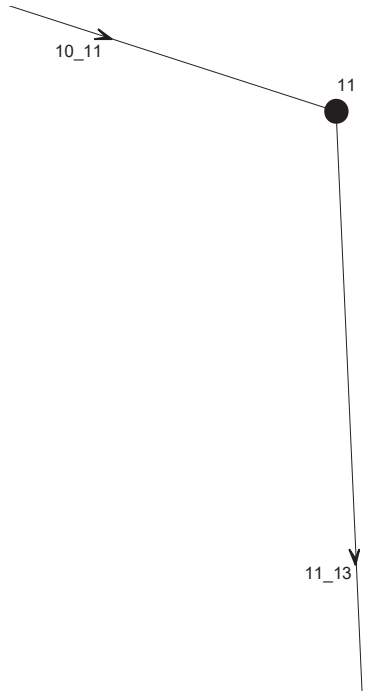
LAKE FANTASIA STORMWATER FORCE MAIN



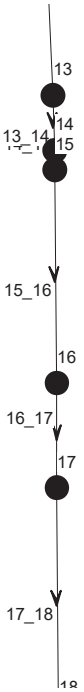
LAKE FANTASIA STORMWATER FORCE MAIN



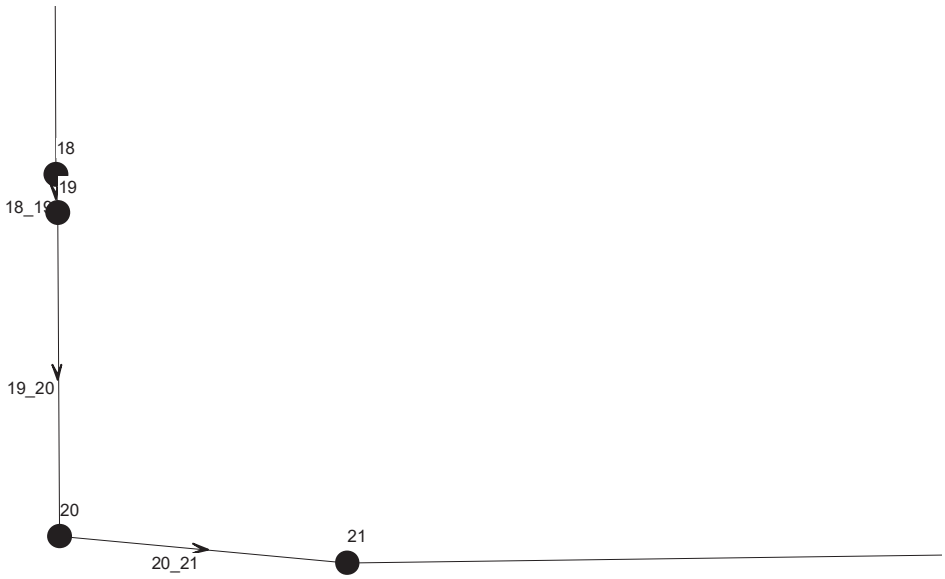
LAKE FANTASIA STORMWATER FORCE MAIN



LAKE FANTASIA STORMWATER FORCE MAIN



LAKE FANTASIA STORMWATER FORCE MAIN



LAKE FANTASIA STORMWATER FORCE MAIN



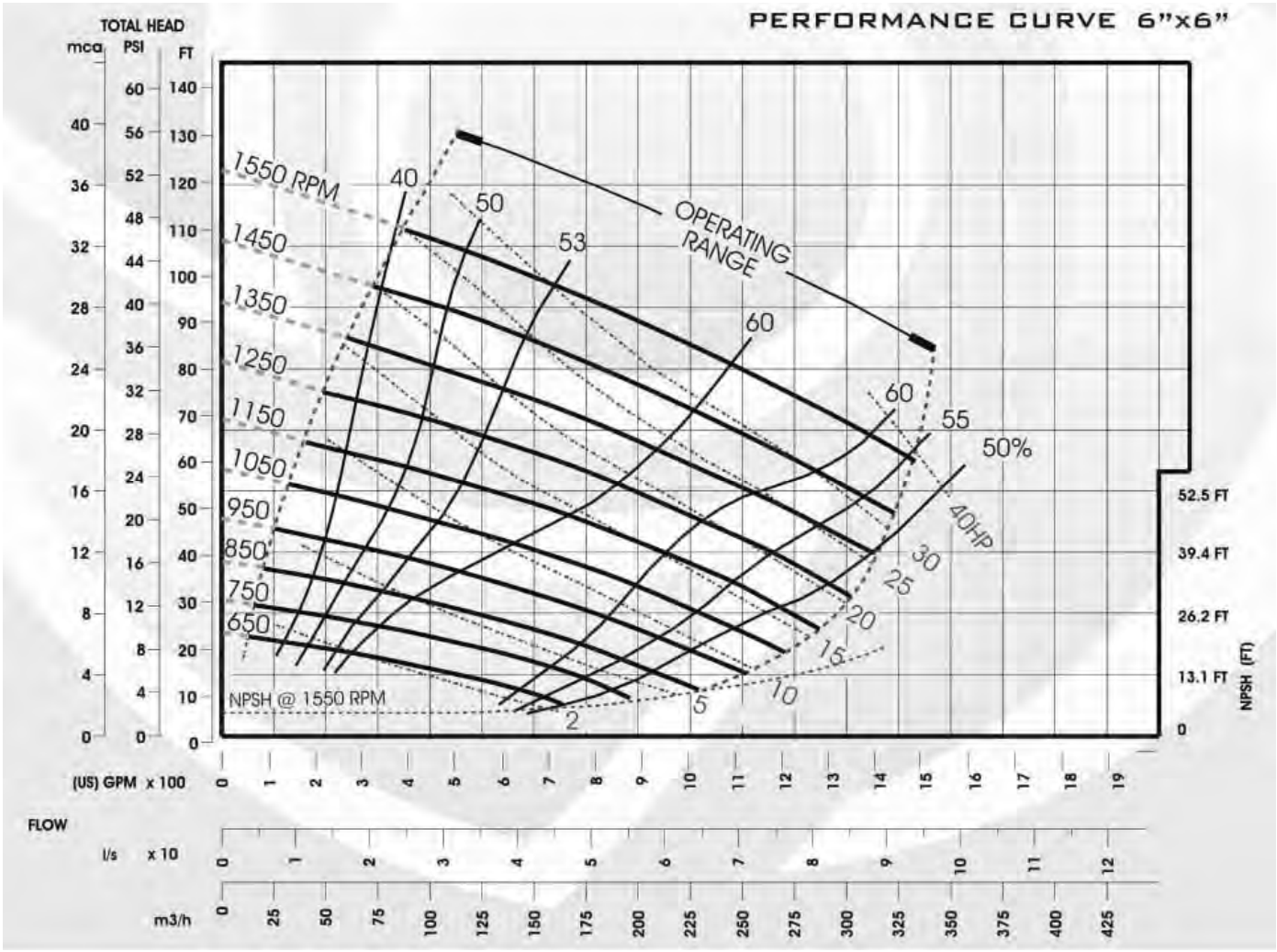
LAKE FANTASIA STORMWATER FORCE MAIN



Performance Curves

Project: GPM: TDH: EFF: HP: Chk'd: Date:

EFQT6 **Impeller Diameter: 12.375"** **S.G.: 1.0**



Data Sheet

Net Weight: 802 lbs. (364kg)
Shipping Weight: 862 lbs. (391kg)
Impeller Dia.: 12-3/8" (314.32mm)
R.P.M.: From 650 RPM to 1550 RPM
Max. Solids: 3" (76.2mm)

Repriming Lifts

'()	0+,	.+,	3+,	4+,	*,+,	**+,5*%+,	*/+,	*-+,	*++,
"!!$	3	4	*%	*-	*3	%*	%%	%/	%+
)!$!'1	%2	%2	/2	-2%	+2+	02	02	.2,	.20

Figure NPSH prior to using above chart. DO NOT use as NPSH Suction Lift.
3.0" Dia. Max. Spherical Solids.

Junction 10

Property	Value
*Junction ID	10
X-Coordinate	543472.681
Y-Coordinate	1284162.433
Description	
Tag	
*Elevation	21.3
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 13

Property	Value
*Junction ID	13
X-Coordinate	543726.016
Y-Coordinate	1283636.358
Description	
Tag	
*Elevation	21.62
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 11

Property	Value
*Junction ID	11
X-Coordinate	543705.875
Y-Coordinate	1284087.752
Description	
Tag	
*Elevation	21.09
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 14

Property	Value
*Junction ID	14
X-Coordinate	543726.104
Y-Coordinate	1283629.500
Description	
Tag	
*Elevation	21.63
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 14

Property	Value
*Junction ID	14
X-Coordinate	543726.104
Y-Coordinate	1283629.500
Description	
Tag	
*Elevation	21.63
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 17

Property	Value
*Junction ID	17
X-Coordinate	543726.396
Y-Coordinate	1283586.907
Description	
Tag	
*Elevation	19.66
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 16

Property	Value
*Junction ID	16
X-Coordinate	543726.303
Y-Coordinate	1283600.160
Description	
Tag	
*Elevation	19.13
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 18

Property	Value
*Junction ID	18
X-Coordinate	543726.594
Y-Coordinate	1283558.711
Description	
Tag	
*Elevation	19.66
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 19

Property	Value
*Junction ID	19
X-Coordinate	543726.619
Y-Coordinate	1283556.290
Description	
Tag	
*Elevation	17.26
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 21

Property	Value
*Junction ID	21
X-Coordinate	543744.855
Y-Coordinate	1283534.201
Description	
Tag	
*Elevation	15.43
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 20

Property	Value
*Junction ID	20
X-Coordinate	543726.751
Y-Coordinate	1283535.898
Description	
Tag	
*Elevation	17.18
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 22

Property	Value
*Junction ID	22
X-Coordinate	543882.156
Y-Coordinate	1283536.046
Description	
Tag	
*Elevation	15.43
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 23

Property	Value
*Junction ID	23
X-Coordinate	544124.072
Y-Coordinate	1283541.657
Description	
Tag	
*Elevation	15.39
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 25

Property	Value
*Junction ID	25
X-Coordinate	544277.771
Y-Coordinate	1283543.231
Description	
Tag	
*Elevation	14.64
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Junction 24

Property	Value
*Junction ID	24
X-Coordinate	544274.348
Y-Coordinate	1283546.348
Description	
Tag	
*Elevation	14.69
Base Demand	0
Demand Pattern	
Demand Categories	1
Emitter Coeff.	
Initial Quality	
Source Quality	
Actual Demand	0.00
Total Head	3.022335E08
Pressure	1.309578E08
Quality	0.00

Pipe 10_11

Property	Value
*Pipe ID	10_11
*Start Node	10
*End Node	11
Description	
Tag	
*Length	245
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	15.75
Velocity	0.40
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 11_13

Property	Value
*Pipe ID	11_13
*Start Node	11
*End Node	13
Description	
Tag	
*Length	453
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	15.64
Velocity	0.40
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 14_15

Property	Value
*Pipe ID	14_15
*Start Node	14
*End Node	15
Description	
Tag	
*Length	3
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	19.63
Velocity	0.50
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 13_14

Property	Value
*Pipe ID	13_14
*Start Node	13
*End Node	14
Description	
Tag	
*Length	7
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	16.71
Velocity	0.43
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 15_16

Property	Value
*Pipe ID	15_16
*Start Node	15
*End Node	16
Description	
Tag	
*Length	27
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	15.52
Velocity	0.40
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 16_17

Property	Value
*Pipe ID	16_17
*Start Node	16
*End Node	17
Description	
Tag	
*Length	13
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	15.99
Velocity	0.41
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 18_19

Property	Value
*Pipe ID	18_19
*Start Node	18
*End Node	19
Description	
Tag	
*Length	3
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	15.95
Velocity	0.41
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 17_18

Property	Value
*Pipe ID	17_18
*Start Node	17
*End Node	18
Description	
Tag	
*Length	28
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	15.56
Velocity	0.40
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 19_20

Property	Value
*Pipe ID	19_20
*Start Node	19
*End Node	20
Description	
Tag	
*Length	20
*Diameter	4
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	13.47
Velocity	0.34
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 20_21

Property	Value
*Pipe ID	20_21
*Start Node	20
*End Node	21
Description	
Tag	
*Length	18
*Diameter	6
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	11.58
Velocity	0.13
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 22_23

Property	Value
*Pipe ID	22_23
*Start Node	22
*End Node	23
Description	
Tag	
*Length	242
*Diameter	6
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	9.27
Velocity	0.11
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 21_22

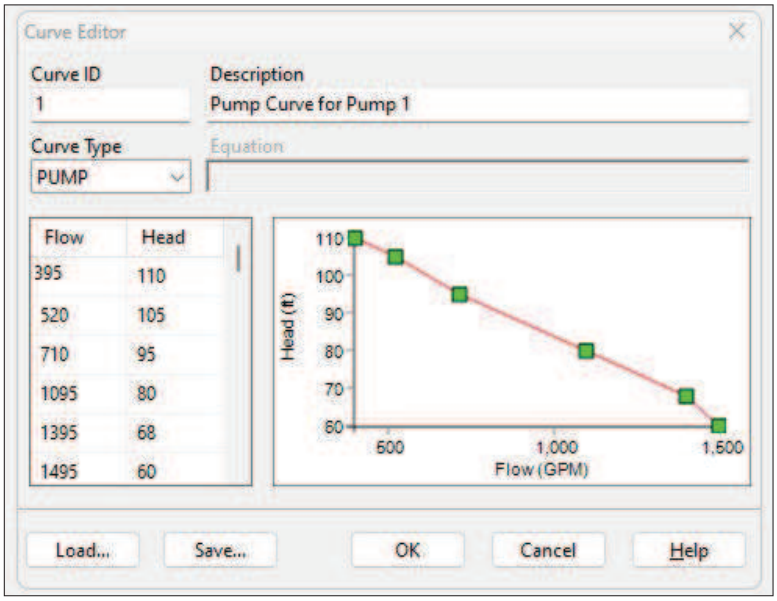
Property	Value
*Pipe ID	21_22
*Start Node	21
*End Node	22
Description	
Tag	
*Length	137
*Diameter	6
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	9.76
Velocity	0.11
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 23_24

Property	Value
*Pipe ID	23_24
*Start Node	23
*End Node	24
Description	
Tag	
*Length	150
*Diameter	6
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	10.28
Velocity	0.12
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open

Pipe 24_S-6

Property	Value
*Pipe ID	24_S-6
*Start Node	24
*End Node	25
Description	
Tag	
*Length	4.63
*Diameter	6
*Roughness	100
Loss Coeff.	0
Initial Status	Open
Bulk Coeff.	
Wall Coeff.	
Flow	0.00
Velocity	0.00
Unit Headloss	0.00
Friction Factor	0.000
Reaction Rate	0.00
Quality	0.00
Status	Open



Pump 1

Property	Value
*Pump ID	1
*Start Node	1
*End Node	10
Description	
Tag	
Pump Curve	1
Power	25
Speed	1550
Pattern	
Initial Status	Open
Effic. Curve	
Energy Price	
Price Pattern	
Flow	15.74
Headloss	-3.022335E08
Quality	0.00
Status	Open

Reservoir LAKE_FANTASIA

Property	Value
*Reservoir ID	LAKE_FANTASIA
X-Coordinate	543440.000
Y-Coordinate	1284162.433
Description	Lake Fantasia
Tag	
*Total Head	24
Head Pattern	
Initial Quality	
Source Quality	
Net Inflow	-15.74
Elevation	24.00
Pressure	0.00
Quality	0.00

Reservoir S-6

Property	Value
*Reservoir ID	S-6
X-Coordinate	544277.771
Y-Coordinate	1283543.231
Description	ME DBI S-6
Tag	
*Total Head	14.64
Head Pattern	
Initial Quality	
Source Quality	
Net Inflow	0.00
Elevation	14.64
Pressure	0.00
Quality	0.00

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**********************************************************************
*                            E P A N E T                             *
*                    Hydraulic and Water Quality                     *
*                    Analysis for Pipe Networks                      *
*                          Version 2.2                               *
**********************************************************************
```

Input File: LAKE.FANTASIA.FM.2024.01.02.net

LAKE FANTASIA STORMWATER FORCE MAIN

Link - Node Table:

Link ID	Start Node	End Node	Length ft	Diameter in	
10_11	10	11	245	4	
14_15	14	15	3	4	
11_13	11	13	453	4	
13_14	13	14	7	4	
15_16	15	16	27	4	
16_17	16	17	13	4	
17_18	17	18	28	4	
18_19	18	19	3	4	
19_20	19	20	20	4	
20_21	20	21	18	6	
21_22	21	22	137	6	
22_23	22	23	242	6	
23_24	23	24	150	6	
24_S-6	24	25	4.63	6	
1	LAKE_FANTASIA	10	#N/A	#N/A	Pump

Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /Mgal	Avg. Kw	Peak Kw	Cost /day
1	100.00	75.00	1266012800.00	2251201.75	19199560.00	0.00

Demand Charge: 0.00
Total Cost: 0.00

Node Results at 0:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022335E08	1.309578E08		0.00	
11	0.003.022335E08	1.309578E08		0.00	
13	0.003.022335E08	1.309578E08		0.00	
14	0.003.022335E08	1.309578E08		0.00	
15	0.003.022335E08	1.309578E08		0.00	
16	0.003.022335E08	1.309578E08		0.00	
17	0.003.022335E08	1.309578E08		0.00	
18	0.003.022335E08	1.309578E08		0.00	
20	0.003.022335E08	1.309578E08		0.00	
21	0.003.022335E08	1.309578E08		0.00	
22	0.003.022335E08	1.309578E08		0.00	
23	0.003.022335E08	1.309578E08		0.00	
24	0.003.022335E08	1.309578E08		0.00	
25	0.003.022335E08	1.309578E08		0.00	
19	0.003.022335E08	1.309578E08		0.00	
LAKE_FANTASIA	-15.74	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 0:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	15.75	0.40	0.00	Open	
14_15	19.63	0.50	0.00	Open	
11_13	15.64	0.40	0.00	Open	
13_14	16.71	0.43	0.00	Open	
15_16	15.52	0.40	0.00	Open	
16_17	15.99	0.41	0.00	Open	
17_18	15.56	0.40	0.00	Open	
18_19	15.95	0.41	0.00	Open	
19_20	13.47	0.34	0.00	Open	
20_21	11.58	0.13	0.00	Open	
21_22	9.76	0.11	0.00	Open	
22_23	9.27	0.11	0.00	Open	
23_24	10.28	0.12	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	15.74	0.00	-3.022335E08	Open	Pump

Node Results at 1:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022345E08	1.309582E08		0.00	
11	0.003.022345E08	1.309582E08		0.00	
13	0.003.022345E08	1.309582E08		0.00	
14	0.003.022345E08	1.309582E08		0.00	
15	0.003.022345E08	1.309582E08		0.00	
16	0.003.022345E08	1.309582E08		0.00	
17	0.003.022345E08	1.309582E08		0.00	
18	0.003.022345E08	1.309582E08		0.00	
20	0.003.022345E08	1.309582E08		0.00	
21	0.003.022345E08	1.309582E08		0.00	
22	0.003.022345E08	1.309582E08		0.00	
23	0.003.022345E08	1.309582E08		0.00	
24	0.003.022345E08	1.309582E08		0.00	
25	0.003.022345E08	1.309582E08		0.00	
19	0.003.022345E08	1.309582E08		0.00	
LAKE_FANTASIA	0.01	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 1:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	0.00	0.00	0.00	Open	
14_15	0.00	0.00	0.00	Open	
11_13	0.01	0.00	0.00	Open	
13_14	0.00	0.00	0.00	Open	
15_16	-0.21	0.01	0.00	Open	
16_17	-0.29	0.01	0.00	Open	
17_18	0.00	0.00	0.00	Open	
18_19	0.00	0.00	0.00	Open	
19_20	-0.11	0.00	0.00	Open	
20_21	0.00	0.00	0.00	Open	
21_22	0.34	0.00	0.00	Open	
22_23	0.35	0.00	0.00	Open	
23_24	0.55	0.01	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	-0.01	0.00	-3.022345E08	Open	Pump

Node Results at 2:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022345E08	1.309582E08		0.00	
11	0.003.022345E08	1.309582E08		0.00	
13	0.003.022345E08	1.309582E08		0.00	
14	0.003.022345E08	1.309582E08		0.00	
15	0.003.022345E08	1.309582E08		0.00	
16	0.003.022345E08	1.309582E08		0.00	
17	0.003.022345E08	1.309582E08		0.00	
18	0.003.022345E08	1.309582E08		0.00	
20	0.003.022345E08	1.309582E08		0.00	
21	0.003.022345E08	1.309582E08		0.00	
22	0.003.022345E08	1.309582E08		0.00	
23	0.003.022345E08	1.309582E08		0.00	
24	0.003.022345E08	1.309582E08		0.00	
25	0.003.022345E08	1.309582E08		0.00	
19	0.003.022345E08	1.309582E08		0.00	
LAKE_FANTASIA	0.00	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 2:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	0.00	0.00	0.00	Open	
14_15	0.00	0.00	0.00	Open	
11_13	0.00	0.00	0.00	Open	
13_14	0.00	0.00	0.00	Open	
15_16	0.00	0.00	0.00	Open	
16_17	0.00	0.00	0.00	Open	
17_18	0.00	0.00	0.00	Open	
18_19	0.00	0.00	0.00	Open	
19_20	0.00	0.00	0.00	Open	
20_21	0.00	0.00	0.00	Open	
21_22	0.00	0.00	0.00	Open	
22_23	0.00	0.00	0.00	Open	
23_24	0.00	0.00	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	0.00	0.00	-3.022345E08	Open	Pump

Node Results at 3:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022354E08	1.309586E08		0.00	
11	0.003.022354E08	1.309586E08		0.00	
13	0.003.022354E08	1.309586E08		0.00	
14	0.003.022354E08	1.309586E08		0.00	
15	0.003.022354E08	1.309586E08		0.00	
16	0.003.022354E08	1.309586E08		0.00	
17	0.003.022354E08	1.309586E08		0.00	
18	0.003.022354E08	1.309586E08		0.00	
20	0.003.022354E08	1.309586E08		0.00	
21	0.003.022354E08	1.309586E08		0.00	
22	0.003.022354E08	1.309586E08		0.00	
23	0.003.022354E08	1.309586E08		0.00	
24	0.003.022354E08	1.309586E08		0.00	
25	0.003.022354E08	1.309586E08		0.00	
19	0.003.022354E08	1.309586E08		0.00	
LAKE_FANTASIA	14.06	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 3:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	-14.04	0.36	0.00	Open	
14_15	-16.05	0.41	0.00	Open	
11_13	-13.97	0.36	0.00	Open	
13_14	-12.91	0.33	0.00	Open	
15_16	-27.20	0.69	0.00	Open	
16_17	-28.12	0.72	0.00	Open	
17_18	-29.86	0.76	0.00	Open	
18_19	-31.89	0.81	0.00	Open	
19_20	-29.14	0.74	0.00	Open	
20_21	-32.77	0.37	0.00	Open	
21_22	-30.09	0.34	0.00	Open	
22_23	-29.48	0.33	0.00	Open	
23_24	-30.35	0.34	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	-14.06	0.00	-3.022354E08	Open	Pump

Node Results at 4:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022356E08	1.309587E08		0.00	
11	0.003.022356E08	1.309587E08		0.00	
13	0.003.022356E08	1.309587E08		0.00	
14	0.003.022356E08	1.309587E08		0.00	
15	0.003.022356E08	1.309587E08		0.00	
16	0.003.022356E08	1.309587E08		0.00	
17	0.003.022356E08	1.309587E08		0.00	
18	0.003.022356E08	1.309587E08		0.00	
20	0.003.022356E08	1.309587E08		0.00	
21	0.003.022356E08	1.309587E08		0.00	
22	0.003.022356E08	1.309587E08		0.00	
23	0.003.022356E08	1.309587E08		0.00	
24	0.003.022356E08	1.309587E08		0.00	
25	0.003.022356E08	1.309587E08		0.00	
19	0.003.022356E08	1.309587E08		0.00	
LAKE_FANTASIA	18.10	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 4:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	-18.10	0.46	0.00	Open	
14_15	-18.10	0.46	0.00	Open	
11_13	-18.10	0.46	0.00	Open	
13_14	-18.10	0.46	0.00	Open	
15_16	-18.10	0.46	0.00	Open	
16_17	-18.10	0.46	0.00	Open	
17_18	-18.10	0.46	0.00	Open	
18_19	-18.11	0.46	0.00	Open	
19_20	-18.11	0.46	0.00	Open	
20_21	-18.11	0.21	0.00	Open	
21_22	-18.11	0.21	0.00	Open	
22_23	-18.11	0.21	0.00	Open	
23_24	-18.11	0.21	0.00	Open	
24_S-6	-15.62	0.18	0.00	Open	
1	-18.10	0.00	-3.022356E08	Open	Pump

Node Results at 5:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022341E08	1.30958E08		0.00	
11	0.003.022341E08	1.30958E08		0.00	
13	0.003.022341E08	1.30958E08		0.00	
14	0.003.022341E08	1.30958E08		0.00	
15	0.003.022341E08	1.30958E08		0.00	
16	0.003.022341E08	1.30958E08		0.00	
17	0.003.022341E08	1.30958E08		0.00	
18	0.003.022341E08	1.30958E08		0.00	
20	0.003.022341E08	1.30958E08		0.00	
21	0.003.022341E08	1.30958E08		0.00	
22	0.003.022341E08	1.30958E08		0.00	
23	0.003.022341E08	1.30958E08		0.00	
24	0.003.022341E08	1.30958E08		0.00	
25	0.003.022341E08	1.30958E08		0.00	
19	0.003.022341E08	1.30958E08		0.00	
LAKE_FANTASIA	-7.07	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 5:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	7.07	0.18	0.00	Open	
14_15	10.66	0.27	0.00	Open	
11_13	7.07	0.18	0.00	Open	
13_14	7.07	0.18	0.00	Open	
15_16	14.98	0.38	0.00	Open	
16_17	14.98	0.38	0.00	Open	
17_18	14.98	0.38	0.00	Open	
18_19	14.98	0.38	0.00	Open	
19_20	14.98	0.38	0.00	Open	
20_21	14.98	0.17	0.00	Open	
21_22	14.98	0.17	0.00	Open	
22_23	14.98	0.17	0.00	Open	
23_24	14.98	0.17	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	7.07	0.00	-3.02234E08	Open	Pump

Node Results at 6:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022188E08	1.309514E08		0.00	
11	0.003.022188E08	1.309514E08		0.00	
13	0.003.022188E08	1.309514E08		0.00	
14	0.003.022188E08	1.309514E08		0.00	
15	0.003.022188E08	1.309514E08		0.00	
16	0.003.022188E08	1.309514E08		0.00	
17	0.003.022188E08	1.309514E08		0.00	
18	0.003.022188E08	1.309514E08		0.00	
20	0.003.022188E08	1.309514E08		0.00	
21	0.003.022188E08	1.309514E08		0.00	
22	0.003.022188E08	1.309514E08		0.00	
23	0.003.022188E08	1.309514E08		0.00	
24	0.003.022188E08	1.309514E08		0.00	
25	0.003.022188E08	1.309514E08		0.00	
19	0.003.022188E08	1.309514E08		0.00	
LAKE_FANTASIA	-252.77	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 6:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	252.77	6.45	0.00	Open	
14_15	252.77	6.45	0.00	Open	
11_13	252.77	6.45	0.00	Open	
13_14	252.77	6.45	0.00	Open	
15_16	252.77	6.45	0.00	Open	
16_17	252.77	6.45	0.00	Open	
17_18	252.77	6.45	0.00	Open	
18_19	252.77	6.45	0.00	Open	
19_20	252.77	6.45	0.00	Open	
20_21	252.77	2.87	0.00	Open	
21_22	252.77	2.87	0.00	Open	
22_23	252.77	2.87	0.00	Open	
23_24	252.77	2.87	0.00	Open	
24_S-6	267.52	3.04	0.00	Open	
1	252.77	0.00	-3.022188E08	Open	Pump

Max flow calc'd

Node Results at 7:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022335E08	1.309578E08		0.00	
11	0.003.022335E08	1.309578E08		0.00	
13	0.003.022335E08	1.309578E08		0.00	
14	0.003.022335E08	1.309578E08		0.00	
15	0.003.022335E08	1.309578E08		0.00	
16	0.003.022335E08	1.309578E08		0.00	
17	0.003.022335E08	1.309578E08		0.00	
18	0.003.022335E08	1.309578E08		0.00	
20	0.003.022335E08	1.309578E08		0.00	
21	0.003.022335E08	1.309578E08		0.00	
22	0.003.022335E08	1.309578E08		0.00	
23	0.003.022335E08	1.309578E08		0.00	
24	0.003.022335E08	1.309578E08		0.00	
25	0.003.022335E08	1.309578E08		0.00	
19	0.003.022335E08	1.309578E08		0.00	
LAKE_FANTASIA	-15.74	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 7:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	15.75	0.40	0.00	Open	
14_15	19.63	0.50	0.00	Open	
11_13	15.64	0.40	0.00	Open	
13_14	16.71	0.43	0.00	Open	
15_16	15.52	0.40	0.00	Open	
16_17	15.99	0.41	0.00	Open	
17_18	15.56	0.40	0.00	Open	
18_19	15.95	0.41	0.00	Open	
19_20	13.47	0.34	0.00	Open	
20_21	11.58	0.13	0.00	Open	
21_22	9.76	0.11	0.00	Open	
22_23	9.27	0.11	0.00	Open	
23_24	10.28	0.12	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	15.74	0.00	-3.022335E08	Open	Pump

Node Results at 8:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022345E08	1.309582E08		0.00	
11	0.003.022345E08	1.309582E08		0.00	
13	0.003.022345E08	1.309582E08		0.00	
14	0.003.022345E08	1.309582E08		0.00	
15	0.003.022345E08	1.309582E08		0.00	
16	0.003.022345E08	1.309582E08		0.00	
17	0.003.022345E08	1.309582E08		0.00	
18	0.003.022345E08	1.309582E08		0.00	
20	0.003.022345E08	1.309582E08		0.00	
21	0.003.022345E08	1.309582E08		0.00	
22	0.003.022345E08	1.309582E08		0.00	
23	0.003.022345E08	1.309582E08		0.00	
24	0.003.022345E08	1.309582E08		0.00	
25	0.003.022345E08	1.309582E08		0.00	
19	0.003.022345E08	1.309582E08		0.00	
LAKE_FANTASIA	0.01	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 8:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	0.00	0.00	0.00	Open	
14_15	0.00	0.00	0.00	Open	
11_13	0.01	0.00	0.00	Open	
13_14	0.00	0.00	0.00	Open	
15_16	-0.21	0.01	0.00	Open	
16_17	-0.29	0.01	0.00	Open	
17_18	0.00	0.00	0.00	Open	
18_19	0.00	0.00	0.00	Open	
19_20	-0.11	0.00	0.00	Open	
20_21	0.00	0.00	0.00	Open	
21_22	0.34	0.00	0.00	Open	
22_23	0.35	0.00	0.00	Open	
23_24	0.55	0.01	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	-0.01	0.00	-3.022345E08	Open	Pump

Node Results at 9:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022345E08	1.309582E08		0.00	
11	0.003.022345E08	1.309582E08		0.00	
13	0.003.022345E08	1.309582E08		0.00	
14	0.003.022345E08	1.309582E08		0.00	
15	0.003.022345E08	1.309582E08		0.00	
16	0.003.022345E08	1.309582E08		0.00	
17	0.003.022345E08	1.309582E08		0.00	
18	0.003.022345E08	1.309582E08		0.00	
20	0.003.022345E08	1.309582E08		0.00	
21	0.003.022345E08	1.309582E08		0.00	
22	0.003.022345E08	1.309582E08		0.00	
23	0.003.022345E08	1.309582E08		0.00	
24	0.003.022345E08	1.309582E08		0.00	
25	0.003.022345E08	1.309582E08		0.00	
19	0.003.022345E08	1.309582E08		0.00	
LAKE_FANTASIA	0.00	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 9:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	0.00	0.00	0.00	Open	
14_15	0.00	0.00	0.00	Open	
11_13	0.00	0.00	0.00	Open	
13_14	0.00	0.00	0.00	Open	
15_16	0.00	0.00	0.00	Open	
16_17	0.00	0.00	0.00	Open	
17_18	0.00	0.00	0.00	Open	
18_19	0.00	0.00	0.00	Open	
19_20	0.00	0.00	0.00	Open	
20_21	0.00	0.00	0.00	Open	
21_22	0.00	0.00	0.00	Open	
22_23	0.00	0.00	0.00	Open	
23_24	0.00	0.00	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	0.00	0.00	-3.022345E08	Open	Pump

Node Results at 10:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022354E08	1.309586E08		0.00	
11	0.003.022354E08	1.309586E08		0.00	
13	0.003.022354E08	1.309586E08		0.00	
14	0.003.022354E08	1.309586E08		0.00	
15	0.003.022354E08	1.309586E08		0.00	
16	0.003.022354E08	1.309586E08		0.00	
17	0.003.022354E08	1.309586E08		0.00	
18	0.003.022354E08	1.309586E08		0.00	
20	0.003.022354E08	1.309586E08		0.00	
21	0.003.022354E08	1.309586E08		0.00	
22	0.003.022354E08	1.309586E08		0.00	
23	0.003.022354E08	1.309586E08		0.00	
24	0.003.022354E08	1.309586E08		0.00	
25	0.003.022354E08	1.309586E08		0.00	
19	0.003.022354E08	1.309586E08		0.00	
LAKE_FANTASIA	14.06	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 10:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	-14.04	0.36	0.00	Open	
14_15	-16.05	0.41	0.00	Open	
11_13	-13.97	0.36	0.00	Open	
13_14	-12.91	0.33	0.00	Open	
15_16	-27.20	0.69	0.00	Open	
16_17	-28.12	0.72	0.00	Open	
17_18	-29.86	0.76	0.00	Open	
18_19	-31.89	0.81	0.00	Open	
19_20	-29.14	0.74	0.00	Open	
20_21	-32.77	0.37	0.00	Open	
21_22	-30.09	0.34	0.00	Open	
22_23	-29.48	0.33	0.00	Open	
23_24	-30.35	0.34	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	-14.06	0.00	-3.022354E08	Open	Pump

Node Results at 11:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022356E08	1.309587E08		0.00	
11	0.003.022356E08	1.309587E08		0.00	
13	0.003.022356E08	1.309587E08		0.00	
14	0.003.022356E08	1.309587E08		0.00	
15	0.003.022356E08	1.309587E08		0.00	
16	0.003.022356E08	1.309587E08		0.00	
17	0.003.022356E08	1.309587E08		0.00	
18	0.003.022356E08	1.309587E08		0.00	
20	0.003.022356E08	1.309587E08		0.00	
21	0.003.022356E08	1.309587E08		0.00	
22	0.003.022356E08	1.309587E08		0.00	
23	0.003.022356E08	1.309587E08		0.00	
24	0.003.022356E08	1.309587E08		0.00	
25	0.003.022356E08	1.309587E08		0.00	
19	0.003.022356E08	1.309587E08		0.00	
LAKE_FANTASIA	18.10	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 11:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	-18.10	0.46	0.00	Open	
14_15	-18.10	0.46	0.00	Open	
11_13	-18.10	0.46	0.00	Open	
13_14	-18.10	0.46	0.00	Open	
15_16	-18.10	0.46	0.00	Open	
16_17	-18.10	0.46	0.00	Open	
17_18	-18.10	0.46	0.00	Open	
18_19	-18.11	0.46	0.00	Open	
19_20	-18.11	0.46	0.00	Open	
20_21	-18.11	0.21	0.00	Open	
21_22	-18.11	0.21	0.00	Open	
22_23	-18.11	0.21	0.00	Open	
23_24	-18.11	0.21	0.00	Open	
24_S-6	-15.62	0.18	0.00	Open	
1	-18.10	0.00	-3.022356E08	Open	Pump

Node Results at 12:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality mg/L	
10	0.003.022341E08	1.30958E08		0.00	
11	0.003.022341E08	1.30958E08		0.00	
13	0.003.022341E08	1.30958E08		0.00	
14	0.003.022341E08	1.30958E08		0.00	
15	0.003.022341E08	1.30958E08		0.00	
16	0.003.022341E08	1.30958E08		0.00	
17	0.003.022341E08	1.30958E08		0.00	
18	0.003.022341E08	1.30958E08		0.00	
20	0.003.022341E08	1.30958E08		0.00	
21	0.003.022341E08	1.30958E08		0.00	
22	0.003.022341E08	1.30958E08		0.00	
23	0.003.022341E08	1.30958E08		0.00	
24	0.003.022341E08	1.30958E08		0.00	
25	0.003.022341E08	1.30958E08		0.00	
19	0.003.022341E08	1.30958E08		0.00	
LAKE_FANTASIA	-7.07	24.00	0.00	0.00	Reservoir
S-6	0.00	14.64	0.00	0.00	Reservoir

Link Results at 12:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status	
10_11	7.07	0.18	0.00	Open	
14_15	10.66	0.27	0.00	Open	
11_13	7.07	0.18	0.00	Open	
13_14	7.07	0.18	0.00	Open	
15_16	14.98	0.38	0.00	Open	
16_17	14.98	0.38	0.00	Open	
17_18	14.98	0.38	0.00	Open	
18_19	14.98	0.38	0.00	Open	
19_20	14.98	0.38	0.00	Open	
20_21	14.98	0.17	0.00	Open	
21_22	14.98	0.17	0.00	Open	
22_23	14.98	0.17	0.00	Open	
23_24	14.98	0.17	0.00	Open	
24_S-6	0.00	0.00	0.00	Open	
1	7.07	0.00	-3.02234E08	Open	Pump