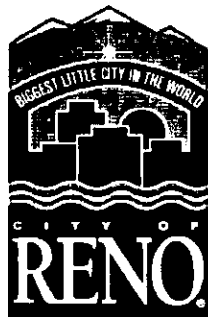


Drainage Master Plan Stead, Nevada

Prepared for:



Prepared by:



Stantec

August 2000

Project No. 80100208

Appendices

APPENDIX 1 – Volume 2

1. Existing Conditions Hydrologic Model Parameters (alphabetized by basin)
2. Existing Conditions 100-Year, 24-Hour Event HEC-1 Model
3. Existing Conditions 5-Year, 24-Hour Event HEC-1 Model

APPENDIX 2 – Volume 3 (under a separate cover)

1. Proposed Conditions Hydrologic Model Parameters (alphabetized by basin)
2. Proposed Conditions 100-Year, 24-Hour Event HEC-1 Model
3. Proposed Conditions 5-Year, 24-Hour Event HEC-1 model

APPENDIX 3 – Volume 4 (under a separate cover)

1. Correspondence
2. Previous Studies
3. Existing Conditions Hydrologic and Hydraulic Backup Data (alphabetized by basin)
4. Proposed Conditions Hydrologic Backup Data (alphabetized by basin)
5. Proposed Conditions Hydraulic Backup Data
6. Quantities and Cost Estimates
7. Survey Data
8. References

**Existing Conditions HEC-1
Parameters**

1

**Existing Conditions 100Year,
24Hour Event Model HEC-1
Model**

2

**Existing Conditions 5Year,
24Hour Event HEC-1 Model**

3

**Existing Conditions HEC-1
Parameters**

1

**Existing Conditions 100Year,
24Hour Event Model HEC-1
Model**

2

**Existing Conditions 5Year,
24Hour Event HEC-1 Model**

3

Summary of HEC-1 Parameters for Stead Master Drainage Plan

Basin	Area (mi ²)	CN	Lag (hr)
AW1	0.04	69	0.26
AW2	0.36	68	0.82
AW3	0.11	77	0.18
BER	0.59	72	0.66
ESB	0.39	72	0.27
FR1	13.01	75	2.22
FR2	6.84	74	1.64
GC1	0.25	78	0.36
GC2	0.18	78	0.45
GC3	0.12	75	0.27
GR1	0.58	74	0.32
GR2	0.10	75	0.37
GR3	0.11	67	0.35
GR4	0.39	73	0.35
GV1	3.13	74	1.24
GV2	0.58	72	0.54
GV3	0.34	73	0.55
HR1	0.09	75	0.25
HR2	0.03	88	0.12
HR3	0.10	84	0.20
LD1	0.33	74	0.52
LD2	0.21	70	0.39
LD3	0.80	67	1.27
LEA	0.14	90	0.52
LLK	3.34	85	0.33
LV1	0.85	73	0.46
LV2	7.02	70	1.63
LV3	2.50	73	0.96
LV4	5.22	73	1.41
LV5	2.56	69	1.53
MA1	0.41	75	0.74
MA2	0.06	68	0.24
MG1	0.18	82	0.26
ML1	1.06	75	1.16
ML2	0.63	65	0.82
ML3	0.17	64	0.56
MOY	1.17	84	1.24
NV1	0.06	85	0.15
PA1	0.41	67	0.40
PA2	0.25	69	0.28
PA3	0.10	69	0.27
PA4	0.02	73	0.14
PA5	0.005	71	0.10
PA6	0.01	71	0.12
PA7	0.02	74	0.26

Summary of HEC-1 Parameters for Stead Master Drainage Plan

Basin	Area (mi ²)	CN	Lag (hr)
PAT	1.02	71	0.98
PE1a	0.05	72	0.24
PE1b	0.11	72	0.30
PE2	0.35	73	0.62
PE3	0.09	78	0.30
PE4	1.85	75	0.93
PE5	2.53	68	1.51
PE6	0.10	71	0.19
PE7	0.99	74	0.49
PH1	0.11	74	0.35
PW1	0.42	70	0.59
PW2	0.23	69	0.48
PW3	1.02	70	0.92
PW4	1.55	66	0.87
PW5	0.90	66	1.19
PW6	1.21	66	1.11
PW7	1.25	69	1.31
RH1	0.69	80	0.35
RR1	4.23	79	1.64
RRI	0.02	71	0.17
RSD	0.02	86	0.18
SE1	0.08	74	0.32
SE2	0.09	87	0.19
SE3	0.05	90	0.22
SE4	0.01	85	0.18
SGP	0.26	84	0.45
SI1	0.04	74	0.19
SI2	0.01	74	0.13
SK1	1.60	74	0.87
SK2	2.40	78	1.35
SK3	7.81	80	1.58
SK4	6.25	74	1.34
SLE	0.13	82	0.31
SLK	1.32	93	0.30
SL1	0.02	79	0.12
SL2	0.04	82	0.27
SL3a	0.08	81	0.24
SL3b	0.05	85	0.22
SRS	0.03	74	0.26
SS1a	0.02	71	0.20
SS1b	0.01	85	0.06
SS2	0.10	71	0.31
SS3	0.36	88	0.39
ST1	0.02	87	0.32

Summary of HEC-1 Parameters for Stead Master Drainage Plan

Basin	Area (mi ²)	CN	Lag (hr)
ST2	0.40	87	0.51
ST3	0.53	86	0.83
SV3	0.28	85	0.59
SV4	0.11	83	0.22
SV5	0.03	91	0.04
SV6	0.32	84	0.47
SV7	0.07	79	0.29
TP1	0.05	82	0.20
TP2	0.10	83	0.22
UPR	0.14	91	0.43

Parameters for basins
SV3-SV7 from Sky Vista
Drainageway Master Plan
dated August 1994

Basin Areas

BASIN	ACRES	MILES sq
AW1	24.1	0.038
AW2	231.1	0.361
AW3	73.4	0.115
BER	378.5	0.591
ESB	247.0	0.386
FR1	8324.7	13.007
FR2	4375.7	6.837
GC1	160.1	0.250
GC2	116.4	0.182
GC3	79.7	0.125
GR1	372.4	0.582
GR2	61.9	0.097
GR3	72.2	0.113
GR4	247.4	0.387
GV1	2002.0	3.128
GV2	373.4	0.583
GV3	218.7	0.342
HR1	59.8	0.093
HR2	20.5	0.032
HR3	64.3	0.100
LD1	213.9	0.334
LD2	134.4	0.210
LD3	509.2	0.796
LEA	90.8	0.142
LLK	2137.9	3.340
LV1	542.9	0.848
LV2	4492.7	7.020
LV3	1598.9	2.498
LV4	3342.8	5.223
LV5	1641.0	2.564
MA1	265.5	0.415
MA2	38.3	0.060
MG1	112.5	0.176
ML1	676.1	1.056
ML2	405.5	0.634
ML3	109.8	0.172
MOY	749.2	1.171
NV1	38.9	0.061
PA1	264.1	0.413
PA2	161.8	0.253
PA3	64.1	0.100
PA4	14.9	0.023
PA5	3.1	0.005
PA6	8.7	0.014
PA7	15.8	0.025

Basin Areas

BASIN	ACRES	MILES sq
PAT	654.7	1.023
PE1a	33.4	0.052
PE1b	67.6	0.106
PE2	225.7	0.353
PE3	57.3	0.090
PE4	1186.6	1.854
PE5	1617.0	2.527
PE6	64.8	0.101
PE7	630.4	0.985
PH1	71.2	0.111
PW1	271.0	0.423
PW2	148.4	0.232
PW3	651.2	1.018
PW4	994.9	1.555
PW5	576.9	0.901
PW6	776.3	1.213
PW7	798.5	1.248
RH1	440.5	0.688
RR1	2705.0	4.227
RRI	10.9	0.017
RSD	15.8	0.025
SE1	54.0	0.084
SE2	55.4	0.087
SE3	32.4	0.051
SE4	6.4	0.010
SGP	165.5	0.259
SI1	27.4	0.043
SI2	8.2	0.013
SK1	1026.6	1.604
SK2	1534.1	2.397
SK3	4996.2	7.807
SK4	4000.6	6.251
SLE	85.3	0.133
SLK	845.9	1.322
SL1	15.5	0.024
SL2	26.7	0.042
SL3a	50.4	0.079
SL3b	34.0	0.053
SRS	21.3	0.033
SS1a	14.6	0.023
SS1b	4.5	0.007
SS2	63.1	0.099
SS3	229.4	0.358
ST1	13.9	0.022
ST2	258.3	0.404
ST3	336.6	0.526

Basin Areas

BASIN	ACRES	MILES sq
SV3	170.7	0.275
SV4	70.2	0.111
SV5	16.3	0.027
SV6	205.5	0.315
SV7	44.0	0.073
TP1	34.6	0.054
TP2	65.7	0.103
UPR	88.0	0.138
Total area =		96.47

10.0 GIS result

10.0 From 2 ft topo using Autocad

10.0 From Sky Vista Drainageway Master Plan

2-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
AW1	0.17	0.30	0.51	0.69	0.83	1.12	1.45	1.77
AW2	0.17	0.30	0.50	0.69	0.83	1.12	1.45	1.78
AW3	0.17	0.30	0.51	0.69	0.83	1.11	1.43	1.75
BER	0.15	0.27	0.44	0.60	0.73	0.99	1.22	1.46
ESB	0.17	0.30	0.50	0.68	0.82	1.10	1.40	1.70
FR1	0.18	0.33	0.56	0.75	0.90	1.22	1.54	1.86
FR2	0.17	0.31	0.52	0.70	0.84	1.13	1.41	1.69
GC1	0.17	0.31	0.51	0.69	0.83	1.12	1.44	1.75
GC2	0.17	0.31	0.51	0.70	0.84	1.13	1.45	1.77
GC3	0.17	0.31	0.52	0.70	0.84	1.14	1.46	1.78
GR1	0.17	0.31	0.52	0.72	0.87	1.19	1.54	1.89
GR2	0.17	0.31	0.52	0.72	0.87	1.19	1.53	1.88
GR3	0.17	0.31	0.52	0.72	0.87	1.18	1.53	1.89
GR4	0.17	0.31	0.51	0.72	0.87	1.20	1.56	1.92
GV1	0.13	0.24	0.39	0.54	0.65	0.88	1.08	1.29
GV2	0.14	0.25	0.42	0.58	0.70	0.94	1.17	1.40
GV3	0.14	0.26	0.43	0.59	0.70	0.95	1.19	1.43
HR1	0.15	0.27	0.45	0.61	0.73	0.97	1.23	1.49
HR2	0.15	0.27	0.45	0.61	0.73	0.98	1.23	1.48
HR3	0.15	0.27	0.44	0.60	0.72	0.97	1.21	1.46
LD1	0.15	0.27	0.45	0.62	0.74	0.99	1.25	1.51
LD2	0.15	0.27	0.44	0.60	0.72	0.98	1.22	1.47
LD3	0.15	0.27	0.45	0.62	0.75	1.01	1.26	1.51
LEA	0.17	0.31	0.51	0.70	0.84	1.13	1.44	1.75
LLK	0.16	0.29	0.48	0.65	0.79	1.06	1.32	1.58
LV1	0.16	0.30	0.50	0.67	0.81	1.09	1.37	1.64
LV2	0.15	0.27	0.45	0.62	0.75	1.02	1.26	1.49
LV3	0.14	0.25	0.42	0.58	0.70	0.95	1.17	1.38
LV4	0.13	0.23	0.38	0.52	0.63	0.85	1.04	1.23
LV5	0.13	0.23	0.39	0.53	0.64	0.86	1.06	1.25
MA1	0.17	0.30	0.50	0.68	0.82	1.11	1.41	1.71
MA2	0.17	0.30	0.50	0.68	0.82	1.11	1.40	1.70
MG1	0.14	0.26	0.44	0.59	0.71	0.95	1.20	1.44
ML1	0.16	0.28	0.47	0.64	0.77	1.04	1.32	1.60
ML2	0.16	0.28	0.47	0.65	0.78	1.05	1.32	1.58
ML3	0.16	0.29	0.48	0.66	0.79	1.07	1.35	1.63
MOY	0.17	0.31	0.52	0.70	0.84	1.13	1.44	1.75
NV1	0.14	0.26	0.43	0.58	0.70	0.94	1.18	1.43
PA1	0.17	0.31	0.51	0.70	0.84	1.14	1.49	1.84
PA2	0.17	0.31	0.51	0.70	0.84	1.13	1.47	1.81
PA3	0.17	0.31	0.51	0.69	0.83	1.12	1.46	1.79
PA4	0.17	0.31	0.51	0.69	0.83	1.12	1.45	1.77
PA5	0.17	0.31	0.51	0.69	0.83	1.12	1.44	1.76
PA6	0.17	0.31	0.51	0.69	0.83	1.12	1.44	1.76
PA7	0.17	0.31	0.51	0.69	0.83	1.12	1.44	1.76

2-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
PAT	0.14	0.25	0.42	0.58	0.70	0.94	1.16	1.38
PE1	0.17	0.30	0.50	0.68	0.82	1.11	1.42	1.74
PE2	0.17	0.30	0.50	0.68	0.82	1.11	1.42	1.74
PE3	0.16	0.30	0.50	0.67	0.81	1.09	1.39	1.69
PE4	0.16	0.29	0.48	0.65	0.77	1.03	1.33	1.62
PE5	0.16	0.29	0.48	0.64	0.76	1.02	1.33	1.65
PE6	0.15	0.27	0.45	0.60	0.72	0.96	1.22	1.48
PE7	0.14	0.26	0.44	0.59	0.70	0.94	1.21	1.47
PHI	0.14	0.25	0.42	0.57	0.69	0.92	1.17	1.41
PW1	0.17	0.30	0.51	0.71	0.87	1.19	1.58	1.97
PW2	0.17	0.31	0.51	0.71	0.87	1.19	1.57	1.95
PW3	0.17	0.30	0.51	0.71	0.86	1.19	1.57	1.96
PW4	0.17	0.31	0.51	0.71	0.86	1.18	1.56	1.94
PW5	0.17	0.30	0.51	0.71	0.87	1.20	1.57	1.94
PW6	0.17	0.31	0.51	0.71	0.85	1.16	1.53	1.90
PW7	0.17	0.30	0.50	0.70	0.85	1.16	1.51	1.87
RH1	0.13	0.24	0.41	0.55	0.66	0.90	1.12	1.35
RR1	0.19	0.35	0.58	0.78	0.92	1.23	1.58	1.92
RRI	0.17	0.31	0.52	0.72	0.86	1.17	1.52	1.87
RSD	0.17	0.30	0.51	0.69	0.83	1.12	1.43	1.74
SE1	0.17	0.30	0.50	0.68	0.82	1.10	1.40	1.70
SE2	0.17	0.30	0.50	0.68	0.82	1.11	1.41	1.72
SE3	0.17	0.30	0.50	0.68	0.82	1.11	1.42	1.72
SE4	0.17	0.30	0.50	0.69	0.82	1.11	1.41	1.71
SGP	0.16	0.29	0.49	0.67	0.80	1.09	1.37	1.66
SI1	0.17	0.30	0.51	0.69	0.82	1.11	1.42	1.73
SI2	0.17	0.30	0.51	0.69	0.83	1.11	1.42	1.73
SK1	0.17	0.31	0.52	0.72	0.87	1.18	1.52	1.86
SK2	0.18	0.32	0.54	0.72	0.86	1.16	1.49	1.82
SK3	0.17	0.32	0.53	0.72	0.86	1.16	1.47	1.79
SK4	0.18	0.32	0.54	0.73	0.88	1.18	1.48	1.78
SLE	0.17	0.31	0.51	0.69	0.83	1.13	1.44	1.76
SLK	0.18	0.32	0.53	0.72	0.87	1.17	1.50	1.83
SL1	0.17	0.31	0.51	0.70	0.84	1.14	1.46	1.79
SL2	0.17	0.31	0.52	0.70	0.84	1.14	1.47	1.80
SL3a	0.17	0.31	0.52	0.70	0.85	1.15	1.47	1.80
SL3b	0.17	0.31	0.52	0.71	0.85	1.15	1.47	1.80
SRS	0.17	0.30	0.51	0.69	0.83	1.12	1.43	1.75
SS1a	0.17	0.31	0.52	0.70	0.85	1.15	1.48	1.81
SS1b	0.17	0.31	0.52	0.70	0.85	1.15	1.48	1.81
SS2	0.17	0.31	0.52	0.71	0.86	1.16	1.50	1.84
SS3	0.17	0.31	0.52	0.71	0.85	1.15	1.49	1.83
ST1	0.17	0.30	0.51	0.69	0.83	1.11	1.42	1.73
ST2	0.17	0.30	0.51	0.69	0.83	1.12	1.43	1.73
ST3	0.17	0.31	0.51	0.69	0.83	1.12	1.42	1.72
SV3	0.17	0.30	0.50	0.68	0.82	1.11	1.40	1.70

2-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
SV4	0.16	0.30	0.49	0.67	0.81	1.10	1.39	1.68
SV5	0.17	0.30	0.50	0.68	0.82	1.11	1.41	1.71
SV6	0.16	0.29	0.49	0.67	0.81	1.09	1.38	1.67
SV7	0.16	0.29	0.48	0.66	0.79	1.08	1.36	1.64
TP1	0.14	0.26	0.43	0.58	0.69	0.94	1.17	1.41
TP2	0.14	0.25	0.42	0.57	0.68	0.92	1.16	1.39
UPR	0.17	0.31	0.52	0.70	0.84	1.14	1.45	1.77

5-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
AW1	0.23	0.41	0.69	0.92	1.09	1.46	1.86	2.27
AW2	0.23	0.41	0.69	0.92	1.09	1.46	1.87	2.28
AW3	0.23	0.41	0.69	0.92	1.09	1.45	1.84	2.24
BER	0.20	0.36	0.60	0.81	0.96	1.28	1.58	1.87
ESB	0.22	0.41	0.68	0.91	1.08	1.43	1.81	2.18
FR1	0.25	0.45	0.76	1.00	1.19	1.58	1.98	2.38
FR2	0.23	0.42	0.70	0.93	1.11	1.47	1.82	2.16
GC1	0.23	0.42	0.69	0.92	1.10	1.46	1.85	2.24
GC2	0.23	0.42	0.70	0.93	1.11	1.47	1.87	2.27
GC3	0.23	0.42	0.70	0.94	1.11	1.48	1.88	2.28
GR1	0.23	0.42	0.70	0.96	1.15	1.55	1.99	2.42
GR2	0.23	0.43	0.71	0.96	1.15	1.54	1.97	2.41
GR3	0.23	0.43	0.71	0.95	1.14	1.53	1.98	2.42
GR4	0.23	0.42	0.70	0.96	1.15	1.56	2.01	2.46
GV1	0.18	0.32	0.53	0.71	0.85	1.14	1.40	1.65
GV2	0.19	0.35	0.58	0.77	0.92	1.22	1.51	1.79
GV3	0.19	0.35	0.59	0.78	0.93	1.24	1.53	1.83
HR1	0.20	0.37	0.61	0.81	0.96	1.26	1.59	1.91
HR2	0.20	0.37	0.61	0.81	0.96	1.27	1.58	1.89
HR3	0.20	0.36	0.60	0.80	0.95	1.25	1.56	1.87
LD1	0.20	0.37	0.62	0.82	0.97	1.29	1.61	1.93
LD2	0.20	0.36	0.60	0.80	0.95	1.27	1.58	1.88
LD3	0.20	0.37	0.62	0.83	0.99	1.32	1.62	1.93
LEA	0.23	0.42	0.70	0.93	1.10	1.47	1.85	2.24
LLK	0.22	0.39	0.65	0.87	1.03	1.38	1.70	2.02
LV1	0.22	0.40	0.67	0.90	1.06	1.42	1.76	2.10
LV2	0.20	0.37	0.62	0.83	0.99	1.33	1.62	1.91
LV3	0.19	0.35	0.58	0.77	0.92	1.24	1.50	1.77
LV4	0.17	0.31	0.52	0.69	0.83	1.11	1.34	1.57
LV5	0.17	0.32	0.53	0.70	0.84	1.12	1.36	1.60
MA1	0.23	0.41	0.68	0.91	1.08	1.44	1.81	2.19
MA2	0.23	0.41	0.69	0.91	1.08	1.44	1.81	2.18
MG1	0.20	0.36	0.59	0.79	0.93	1.24	1.54	1.84
ML1	0.21	0.39	0.64	0.86	1.02	1.35	1.70	2.05
ML2	0.21	0.39	0.64	0.86	1.02	1.37	1.69	2.02
ML3	0.22	0.39	0.66	0.88	1.05	1.40	1.74	2.09
MOY	0.23	0.43	0.71	0.94	1.11	1.47	1.85	2.24
NV1	0.19	0.35	0.59	0.78	0.92	1.22	1.52	1.83
PA1	0.23	0.42	0.69	0.93	1.11	1.48	1.92	2.36
PA2	0.23	0.42	0.69	0.93	1.10	1.47	1.89	2.32
PA3	0.23	0.42	0.69	0.92	1.10	1.46	1.88	2.29
PA4	0.23	0.42	0.69	0.92	1.09	1.46	1.86	2.27
PA5	0.23	0.42	0.69	0.92	1.09	1.46	1.85	2.25
PA6	0.23	0.42	0.69	0.92	1.09	1.46	1.85	2.25
PA7	0.23	0.42	0.69	0.92	1.10	1.46	1.86	2.25

5-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
PAT	0.19	0.34	0.57	0.77	0.92	1.23	1.50	1.77
PE1	0.23	0.41	0.68	0.91	1.08	1.44	1.83	2.23
PE2	0.23	0.41	0.68	0.91	1.08	1.44	1.83	2.23
PE3	0.22	0.40	0.67	0.89	1.06	1.41	1.79	2.16
PE4	0.22	0.39	0.65	0.86	1.02	1.34	1.71	2.07
PE5	0.22	0.39	0.65	0.85	1.01	1.32	1.72	2.11
PE6	0.20	0.36	0.61	0.80	0.95	1.25	1.57	1.89
PE7	0.20	0.36	0.60	0.79	0.93	1.23	1.55	1.88
PHI	0.19	0.34	0.57	0.76	0.90	1.20	1.50	1.80
PW1	0.23	0.41	0.69	0.95	1.14	1.55	2.04	2.52
PW2	0.23	0.42	0.69	0.95	1.14	1.55	2.02	2.50
PW3	0.23	0.41	0.69	0.94	1.14	1.54	2.03	2.51
PW4	0.23	0.42	0.69	0.94	1.13	1.53	2.01	2.48
PW5	0.23	0.41	0.69	0.95	1.15	1.56	2.02	2.48
PW6	0.23	0.42	0.69	0.94	1.12	1.51	1.97	2.43
PW7	0.23	0.41	0.68	0.93	1.11	1.50	1.95	2.39
RH1	0.18	0.33	0.55	0.73	0.87	1.16	1.45	1.73
RR1	0.26	0.47	0.79	1.03	1.22	1.60	2.03	2.46
RRI	0.24	0.43	0.71	0.95	1.14	1.52	1.96	2.39
RSD	0.23	0.41	0.69	0.92	1.09	1.45	1.84	2.23
SE1	0.22	0.41	0.68	0.90	1.07	1.43	1.80	2.18
SE2	0.23	0.41	0.68	0.91	1.08	1.44	1.82	2.20
SE3	0.23	0.41	0.68	0.91	1.08	1.44	1.82	2.20
SE4	0.23	0.41	0.68	0.91	1.08	1.45	1.82	2.19
SGP	0.22	0.40	0.67	0.89	1.06	1.41	1.77	2.12
SI1	0.23	0.41	0.69	0.91	1.09	1.45	1.83	2.21
SI2	0.23	0.41	0.69	0.92	1.09	1.45	1.83	2.21
SK1	0.23	0.43	0.71	0.95	1.14	1.53	1.96	2.38
SK2	0.24	0.44	0.73	0.96	1.14	1.50	1.92	2.33
SK3	0.24	0.43	0.72	0.95	1.13	1.50	1.90	2.29
SK4	0.24	0.44	0.73	0.97	1.15	1.53	1.91	2.28
SLE	0.23	0.42	0.69	0.92	1.10	1.46	1.86	2.25
SLK	0.24	0.43	0.72	0.96	1.14	1.52	1.93	2.34
SL1	0.23	0.42	0.70	0.93	1.11	1.48	1.88	2.29
SL2	0.23	0.42	0.70	0.93	1.11	1.48	1.89	2.30
SL3a	0.23	0.42	0.70	0.94	1.12	1.49	1.90	2.30
SL3b	0.23	0.42	0.70	0.94	1.12	1.49	1.90	2.30
SRS	0.23	0.41	0.69	0.92	1.09	1.45	1.85	2.24
SS1a	0.23	0.42	0.70	0.94	1.12	1.49	1.90	2.32
SS1b	0.23	0.42	0.70	0.94	1.12	1.49	1.90	2.32
SS2	0.23	0.43	0.71	0.95	1.13	1.51	1.93	2.36
SS3	0.24	0.43	0.71	0.95	1.13	1.50	1.92	2.34
ST1	0.23	0.41	0.69	0.92	1.09	1.45	1.83	2.21
ST2	0.23	0.41	0.69	0.92	1.09	1.46	1.84	2.21
ST3	0.23	0.42	0.69	0.92	1.09	1.45	1.83	2.20
SV3	0.22	0.41	0.68	0.91	1.08	1.44	1.81	2.18

5-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
SV4	0.22	0.40	0.67	0.90	1.07	1.43	1.79	2.15
SV5	0.23	0.41	0.68	0.91	1.08	1.44	1.82	2.19
SV6	0.22	0.40	0.67	0.89	1.06	1.42	1.78	2.14
SV7	0.22	0.39	0.66	0.88	1.05	1.40	1.75	2.09
TP1	0.19	0.35	0.58	0.77	0.91	1.22	1.51	1.80
TP2	0.19	0.34	0.57	0.76	0.90	1.20	1.49	1.78
UPR	0.23	0.42	0.70	0.94	1.11	1.48	1.87	2.27

100-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
AW1	0.61	1.10	1.84	2.05	2.20	2.53	3.23	3.93
AW2	0.60	1.09	1.82	2.04	2.20	2.53	3.24	3.95
AW3	0.60	1.10	1.83	2.04	2.19	2.52	3.20	3.89
BER	0.53	0.96	1.60	1.79	1.93	2.23	2.74	3.24
ESB	0.60	1.09	1.81	2.01	2.17	2.49	3.13	3.78
FR1	0.67	1.21	2.02	2.24	2.40	2.75	3.44	4.13
FR2	0.62	1.12	1.87	2.07	2.23	2.55	3.15	3.75
GC1	0.61	1.11	1.84	2.05	2.21	2.54	3.21	3.89
GC2	0.61	1.12	1.86	2.07	2.23	2.56	3.25	3.93
GC3	0.62	1.12	1.87	2.08	2.24	2.58	3.26	3.95
GR1	0.62	1.13	1.88	2.12	2.31	2.70	3.45	4.20
GR2	0.62	1.13	1.89	2.13	2.30	2.68	3.43	4.17
GR3	0.62	1.13	1.89	2.12	2.30	2.66	3.43	4.20
GR4	0.61	1.12	1.86	2.12	2.31	2.71	3.49	4.26
GV1	0.47	0.85	1.42	1.59	1.72	1.98	2.42	2.86
GV2	0.51	0.92	1.53	1.71	1.85	2.13	2.62	3.11
GV3	0.52	0.94	1.57	1.74	1.87	2.15	2.66	3.17
HR1	0.54	0.98	1.63	1.80	1.93	2.20	2.75	3.31
HR2	0.54	0.98	1.63	1.81	1.94	2.21	2.75	3.29
HR3	0.53	0.96	1.60	1.78	1.91	2.18	2.71	3.24
LD1	0.54	0.99	1.64	1.82	1.96	2.25	2.80	3.35
LD2	0.53	0.96	1.60	1.78	1.92	2.21	2.74	3.26
LD3	0.54	0.99	1.64	1.84	1.98	2.29	2.82	3.35
LEA	0.61	1.11	1.86	2.07	2.22	2.55	3.22	3.89
LLK	0.57	1.04	1.74	1.94	2.09	2.40	2.95	3.51
LV1	0.59	1.08	1.79	1.99	2.15	2.46	3.05	3.64
LV2	0.54	0.98	1.64	1.84	1.99	2.31	2.81	3.31
LV3	0.51	0.92	1.53	1.72	1.86	2.15	2.61	3.06
LV4	0.46	0.83	1.38	1.54	1.66	1.92	2.33	2.73
LV5	0.46	0.84	1.40	1.56	1.69	1.94	2.36	2.78
MA1	0.60	1.09	1.82	2.03	2.18	2.50	3.15	3.80
MA2	0.60	1.09	1.82	2.03	2.18	2.50	3.14	3.77
MG1	0.52	0.95	1.58	1.75	1.88	2.15	2.67	3.20
ML1	0.57	1.03	1.72	1.91	2.05	2.35	2.95	3.55
ML2	0.56	1.03	1.71	1.91	2.06	2.38	2.94	3.51
ML3	0.58	1.05	1.75	1.95	2.11	2.43	3.02	3.62
MOY	0.62	1.13	1.89	2.09	2.24	2.55	3.22	3.89
NV1	0.51	0.94	1.56	1.73	1.85	2.12	2.65	3.17
PA1	0.61	1.11	1.85	2.06	2.23	2.57	3.33	4.08
PA2	0.61	1.11	1.85	2.06	2.22	2.55	3.29	4.02
PA3	0.61	1.11	1.85	2.05	2.21	2.54	3.26	3.97
PA4	0.61	1.11	1.84	2.05	2.20	2.53	3.23	3.93
PA5	0.61	1.11	1.85	2.05	2.21	2.53	3.22	3.91
PA6	0.61	1.11	1.85	2.05	2.21	2.53	3.22	3.91
PA7	0.61	1.11	1.85	2.05	2.21	2.54	3.22	3.91

100-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
<i>PAT</i>	0.50	0.91	1.52	1.71	1.84	2.13	2.60	3.06
<i>PE1</i>	0.60	1.09	1.82	2.03	2.18	2.51	3.18	3.86
<i>PE2</i>	0.60	1.09	1.82	2.02	2.18	2.51	3.18	3.86
<i>PE3</i>	0.59	1.08	1.80	1.99	2.14	2.45	3.10	3.75
<i>PE4</i>	0.57	1.04	1.74	1.92	2.05	2.33	2.96	3.60
<i>PE5</i>	0.57	1.04	1.74	1.91	2.04	2.30	2.98	3.66
<i>PE6</i>	0.53	0.97	1.62	1.78	1.91	2.17	2.73	3.29
<i>PE7</i>	0.52	0.95	1.59	1.75	1.87	2.13	2.70	3.26
<i>PHI</i>	0.50	0.92	1.53	1.69	1.82	2.08	2.61	3.13
<i>PW1</i>	0.60	1.10	1.83	2.09	2.28	2.70	3.53	4.37
<i>PW2</i>	0.61	1.11	1.85	2.10	2.29	2.70	3.51	4.33
<i>PW3</i>	0.60	1.10	1.83	2.09	2.28	2.68	3.52	4.35
<i>PW4</i>	0.61	1.11	1.85	2.09	2.27	2.66	3.48	4.31
<i>PW5</i>	0.60	1.10	1.83	2.09	2.29	2.71	3.51	4.31
<i>PW6</i>	0.61	1.11	1.85	2.08	2.26	2.62	3.42	4.22
<i>PW7</i>	0.60	1.09	1.82	2.06	2.24	2.61	3.38	4.15
<i>RH1</i>	0.48	0.88	1.47	1.63	1.76	2.02	2.51	3.00
<i>RR1</i>	0.69	1.26	2.10	2.31	2.46	2.79	3.52	4.26
<i>RRI</i>	0.63	1.14	1.90	2.12	2.29	2.64	3.40	4.15
<i>RSD</i>	0.60	1.10	1.83	2.04	2.19	2.52	3.19	3.86
<i>SE1</i>	0.60	1.09	1.81	2.01	2.17	2.49	3.13	3.77
<i>SE2</i>	0.60	1.09	1.82	2.03	2.18	2.51	3.16	3.82
<i>SE3</i>	0.60	1.09	1.82	2.03	2.18	2.51	3.16	3.82
<i>SE4</i>	0.60	1.09	1.82	2.03	2.18	2.51	3.15	3.80
<i>SGP</i>	0.59	1.06	1.77	1.98	2.13	2.46	3.07	3.69
<i>SI1</i>	0.60	1.10	1.83	2.03	2.19	2.51	3.18	3.84
<i>SI2</i>	0.60	1.10	1.83	2.04	2.19	2.52	3.18	3.84
<i>SK1</i>	0.62	1.13	1.89	2.12	2.29	2.66	3.40	4.13
<i>SK2</i>	0.64	1.16	1.94	2.14	2.29	2.61	3.33	4.04
<i>SK3</i>	0.63	1.15	1.91	2.12	2.28	2.61	3.29	3.97
<i>SK4</i>	0.64	1.17	1.94	2.16	2.32	2.67	3.31	3.95
<i>SLE</i>	0.61	1.11	1.84	2.05	2.21	2.54	3.22	3.91
<i>SLK</i>	0.64	1.16	1.93	2.14	2.30	2.64	3.35	4.06
<i>SL1</i>	0.61	1.11	1.86	2.07	2.23	2.57	3.27	3.97
<i>SL2</i>	0.62	1.12	1.86	2.08	2.24	2.58	3.29	4.00
<i>SL3a</i>	0.62	1.12	1.87	2.08	2.25	2.59	3.29	4.00
<i>SL3b</i>	0.62	1.12	1.87	2.09	2.25	2.59	3.29	4.00
<i>SRS</i>	0.61	1.10	1.84	2.04	2.20	2.53	3.21	3.89
<i>SS1a</i>	0.62	1.12	1.87	2.08	2.25	2.59	3.31	4.02
<i>SS1b</i>	0.62	1.12	1.87	2.09	2.25	2.59	3.30	4.02
<i>SS2</i>	0.62	1.13	1.89	2.11	2.28	2.62	3.35	4.08
<i>SS3</i>	0.63	1.14	1.90	2.11	2.27	2.60	3.33	4.06
<i>ST1</i>	0.60	1.10	1.83	2.04	2.19	2.52	3.18	3.84
<i>ST2</i>	0.61	1.10	1.84	2.04	2.20	2.53	3.19	3.84
<i>ST3</i>	0.61	1.11	1.85	2.05	2.20	2.52	3.17	3.82
<i>SV3</i>	0.60	1.09	1.81	2.02	2.17	2.50	3.14	3.77

100-year precipitation card (PH) for Stead basins

BASIN	5 min	15 min	1 hour	2 hour	3 hour	6 hour	12 hour	24 hour
<i>SV4</i>	0.59	1.07	1.78	1.99	2.15	2.48	3.10	3.73
<i>SV5</i>	0.60	1.09	1.82	2.02	2.18	2.51	3.15	3.80
<i>SV6</i>	0.59	1.06	1.77	1.98	2.14	2.47	3.09	3.71
<i>SV7</i>	0.58	1.05	1.75	1.95	2.11	2.43	3.03	3.63
<i>TP1</i>	0.51	0.93	1.55	1.72	1.84	2.11	2.62	3.13
<i>TP2</i>	0.50	0.91	1.52	1.69	1.82	2.08	2.58	3.09
<i>UPR</i>	0.62	1.13	1.88	2.08	2.24	2.57	3.25	3.93

Curve Numbers

BASIN	CN
AW1	69
AW2	68
AW3	77
BER	72
ESB	72
FR1	75
FR2	74
GC1	78
GC2	78
GC3	75
GR1	74
GR2	75
GR3	67
GR4	73
GV1	74
GV2	72
GV3	73
HR1	75
HR2	88
HR3	84
LD1	74
LD2	70
LD3	67
LEA	90
LLK	85
LV1	73
LV2	70
LV3	73
LV4	73
LV5	69
MA1	75
MA2	68
MG1	82
ML1	75
ML2	65
ML3	64
MOY	84
NV1	85
PA1	67
PA2	69
PA3	69
PA4	73
PA5	71
PA6	71
PA7	74

Curve Numbers

BASIN	CN
PAT	71
PE1a	72
PE1b	72
PE2	73
PE3	78
PE4	75
PE5	68
PE6	71
PE7	74
PH1	74
PW1	70
PW2	69
PW3	70
PW4	66
PW5	66
PW6	66
PW7	69
RH1	80
RR1	79
RRI	71
RSD	86
SE1	74
SE2	87
SE3	90
SE4	85
SGP	84
SI1	74
SI2	74
SK1	74
SK2	78
SK3	80
SK4	74
SLE	82
SLK	89
SL1	79
SL2	82
SL3a	81
SL3b	85
SRS	74
SS1a	71
SS1b	85
SS2	71
SS3	88
ST1	87
ST2	87
ST3	86

Curve Numbers

<u>BASIN</u>	<u>CN</u>
SV3	85
SV4	83
SV5	91
SV6	84
SV7	79
TP1	82
TP2	83
UPR	91

90 From Curve Number calculation sheet
90 From Sky Vista Drainageway Master Plan

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	CN	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN		
				100	40	A	B	C	D	CN*A	CN*B	CN*C	CN*D	A	B	C	D	CN	CN	
AW1	Sage	Sagebrush w/grass	100	40	56.0	68.3	74.7	56.0	56.0	68.3	74.7	56.0	56.0	68.3	74.7	100	A	0	0	
																				123
																				6059
																				680
			100				68.3	74.7							100		68.3	68.6		
AW2	Sage	Sagebrush w/grass	100	45	53.5	65.7	72.3	53.5	53.5	65.7	72.3	53.5	53.5	65.7	72.3	100	A	0	0	
																				86
																				4110
																				2590
			100				65.7	72.3							100		65.7	67.9		
AW3	Sage	Sagebrush w/grass	63	40	56.0	68.3	74.7	35.3	35.3	43.0	47.1	35.3	35.3	43.0	47.1	100	A	0	0	
																				310
																				6819
																				615
			100				43.0	47.1							100		43.0	77.4		
BER	Sage	Sagebrush w/grass	63	35	58.5	71.0	77.0	36.9	36.9	44.7	48.5	36.9	36.9	44.7	48.5	100	A	2	110	
																				14
																				15
																				5
			100				44.7	48.5							100		44.7	72.1		
ESB	High sage	Sagebrush w/grass	60	40	56.0	68.3	74.7	33.6	33.6	41.0	44.8	33.6	33.6	41.0	44.8	100	A	2	110	
																				25
																				5
																				1
			100				41.0	44.8							100		41.0	72.3		
FR1	Burned	Herbaceous	39	30	76.6	84.8	91.5	29.9	29.9	33.1	35.7	29.9	29.9	33.1	35.7	100	A	7	439	
																				26
																				21
																				14
			100				33.1	35.7							100		33.1	74.8		

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	% cover by area	% Cover density	Curve number				Product CN*Area				% Soil group	Weighted CN	CN
					A	B	C	D	CN*A	CN*B	CN*C	CN*D			
FR2	Steep unburned	Sagebrush w/grass	9	30	61.0	73.6	79.4		5.5	5.5	6.6	7.1	A	4	259
	Burned	Herbaceous	36	25	78.0	85.7	92.1		28.1	28.1	30.8	33.2	B	25	1608
	Southeast pines	Sagebrush w/grass	22	40	56.0	68.3	74.7		12.3	12.3	15.0	16.4	C	50	3747
	Foothills sage	Sagebrush w/grass	14	40	56.0	68.3	74.7		7.8	7.8	9.6	10.5	D	22	1768
	Flat sage	Sagebrush w/grass	19	35	58.5	71.0	77.0		11.1	11.1	13.5	14.6		100	7383
			100					64.9	64.9	75.6	81.8				7383
GC1	Golf course	Open space/golf course	90	Fair	49.0	69.0	79.0	84.0	44.1	62.1	71.1	75.6	A	0	0
	Sage	Sagebrush w/grass	9	35	58.5	71.0	77.0		5.3	5.3	6.4	6.9	B	4	259
	Industrial	Industrial	1	n/a	81.0	88.0	91.0	93.0	0.8	0.9	0.9	0.9	C	89	6954
				100					50.2	68.2	78.4	83.5	D	8	626
			100												7839
GC2	Golf course	Open space/golf course	75	Fair	49.0	69.0	79.0	84.0	36.8	51.8	59.3	63.0	A	0	5
	Sage	Sagebrush w/grass	20	35	58.5	71.0	77.0		11.7	11.7	14.2	15.4	B	4	292
	Industrial	Industrial	5	n/a	81.0	88.0	91.0	93.0	4.1	4.4	4.6	4.7	C	84	6544
				100					52.5	67.9	78.0	83.1	D	12	972
			100												7812
GC3	Golf course	Open space/golf course	36	Fair	49.0	69.0	79.0	84.0	17.6	24.8	28.4	30.2	A	1	28
	Sage	Sagebrush w/grass	64	35	58.5	71.0	77.0		37.4	37.4	45.4	49.3	B	3	212
				100					55.1	62.3	73.9	79.5	C	69	5104
				100											
GR1	Steep sage	Sagebrush w/grass	80	25	63.5	76.3	81.7		50.8	50.8	61.0	65.4	A	1	56
	Foothill sage	Sagebrush w/grass	20	40	56.0	68.3	74.7		11.2	11.2	13.7	14.9	B	22	1383
				100					62.0	62.0	74.7	80.3	C	44	3264
				100											
GR2	Steep sage	Sagebrush w/grass	80	25	63.5	76.3	81.7		50.8	50.8	61.0	65.4	A	0	0
	Flat sage	Sagebrush w/grass	20	45	53.5	65.7	72.3		10.7	10.7	13.1	14.5	B	22	1328
				100					61.5	61.5	74.2	79.8	C	24	1795
				100											
GR3	Steep sage	Sagebrush w/grass	30	25	63.5	76.3	81.7		19.1	19.1	22.9	24.5	A	0	0
	Flat sage	Sagebrush w/grass	65	45	53.5	65.7	72.3		34.8	34.8	42.7	47.0	B	41	2368
	Residential	2 acre residential	3	n/a	46.0	65.0	77.0	82.0	1.4	2.0	2.3	2.5	C	31	2169
	Business	Business/commercial	2	n/a	89.0	92.0	94.0	95.0	1.8	1.8	1.9	1.9	D	28	2110
				100					57.0	57.6	69.8	75.9		100	6647
			100												66.5

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Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN	
			density	A	B	C	D	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	CN	CN
GR4	Hill sage	Sagebrush w/grass	90	30	61.0	73.6	79.4	54.9	54.9	66.3	71.4	A	0	0				
	Flat sage	Sagebrush w/grass	10	45	53.5	65.7	72.3	5.4	5.4	6.6	7.2	B	3	199				
GV1			100					60.3	60.3	72.8	78.7		17	1353				
	Sage	Sagebrush w/grass	71	35	58.5	71.0	77.0	41.5	41.5	50.4	54.7	D	100	7342			73.4	
	Pine/sage mix	Sagebrush w/grass	3	30	61.0	73.6	79.4	1.8	1.8	2.2	2.4							
	Residential	1 acre residential	18	n/a	51.0	68.0	79.0	9.2	12.2	14.2	15.1	A	2	128				
	Residential	2 acre residential	2	n/a	46.0	65.0	77.0	0.9	1.3	1.5	1.6	B	16	975				
	Sandpit	Dirt (incl right-of-way)	3	n/a	72.0	82.0	87.0	2.2	2.5	2.6	2.7	C	44	3253				
	Commercial	Business/commercial	2	n/a	89.0	92.0	94.0	1.8	1.8	1.9	1.9	D	38	3015				
Industrial	Industrial	1	n/a	81.0	88.0	91.0	0.8	0.9	0.9	0.9								
GV2			100					58.2	62.1	73.8	79.3		100	7370			73.7	
	Sage	Sagebrush w/grass	62	35	58.5	71.0	77.0	36.3	36.3	44.0	47.8	A	2	106				
	Residential	1/2 acre residential	1	n/a	54.0	70.0	80.0	0.5	0.7	0.8	0.9	B	19	1148				
	Residential	1 acre residential	34	n/a	51.0	68.0	79.0	17.3	23.1	26.9	28.6	C	66	4867				
Residential	2 acre residential	3	n/a	46.0	65.0	77.0	1.4	2.0	2.3	2.5	D	14	1099					
GV3			100					55.5	62.0	74.0	79.6		100	7219			72.2	
	Sage	Sagebrush w/grass	87	35	58.5	71.0	77.0	50.9	50.9	61.7	67.0	A	0	25				
	Residential	1/2 acre residential	1	n/a	54.0	70.0	80.0	0.5	0.7	0.8	0.9	B	9	534				
	Residential	2 acre residential	2	n/a	46.0	65.0	77.0	0.9	1.3	1.5	1.6	C	78	5724				
Commercial	Business/commercial	10	n/a	89.0	92.0	94.0	8.9	9.2	9.4	9.5	D	13	1035					
HR1			100					61.3	62.1	73.5	79.0		100	7318			73.2	
	Sage	Sagebrush w/grass	74	30	61.0	73.6	79.4	45.1	45.1	54.5	58.7							
	Residential	1/8 acre residential	3	n/a	77.0	85.0	90.0	2.3	2.6	2.7	2.8	A	0	0				
	Residential	1/4 acre residential	3	n/a	61.0	75.0	83.0	1.8	2.3	2.5	2.6	B	4	235				
	Residential	1/3 acre residential	3	n/a	57.0	72.0	81.0	1.7	2.2	2.4	2.6	C	90	6765				
	Residential	1/2 acre residential	3	n/a	54.0	70.0	80.0	1.6	2.1	2.4	2.6	D	7	534				
	Residential	1 acre residential	7	n/a	51.0	68.0	79.0	3.6	4.8	5.5	5.9							
Residential	2 acre residential	7	n/a	46.0	65.0	77.0	3.2	4.6	5.4	5.7								
HR2			100					59.4	63.5	75.4	80.9		100	7534			75.3	
	Fill	Impervious-gravel	87	n/a	76.0	85.0	89.0	66.1	74.0	77.4	79.2	A	0	0				
	Residential	1/3 acre residential	3	n/a	57.0	72.0	81.0	1.7	2.2	2.4	2.6	B	3	216				
	Residential	2 acre residential	8	n/a	46.0	65.0	77.0	3.7	5.2	6.2	6.6	C	92	8078				
Business	Business/commercial	2	n/a	89.0	92.0	94.0	1.8	1.8	1.9	1.9	D	6	496					
			100					73.3	83.2	87.9	90.2		100	8790			87.9	

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Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN	
			55	45	25	n/a	A	B	C	D	CN*A	CN*B	CN*C	CN*D	A	B	CN	CN
HR3	Sage Business	Sagebrush w/grass Business/commercial	55	45	25	n/a	63.5	76.3	81.7	95.0	34.9	34.9	42.0	44.9	A	0	0	0
			65	20	30	40	89.0	92.0	94.0	95.0	40.1	41.4	42.3	42.8	B	267	267	267
			100	15	n/a	n/a	58.5	71.0	77.0	84.2	75.0	76.3	84.3	87.7	C	7566	7566	7566
			100	15	n/a	n/a	56.0	68.3	74.7	84.2	84.3	84.3	84.3	87.7	D	588	588	588
LD1	Hill sage Grass Flat sage	Sagebrush w/grass Herbaceous Sagebrush w/grass	65	20	30	40	58.5	71.0	77.0	84.2	38.0	38.0	46.1	50.1	A	0	6	6
			100	15	n/a	n/a	76.6	84.8	91.5	95.0	15.3	15.3	17.0	18.3	B	148	148	148
			100	15	n/a	n/a	56.0	68.3	74.7	84.2	8.4	8.4	10.2	11.2	C	6035	6035	6035
			100	15	n/a	n/a	58.5	71.0	77.0	84.2	61.9	61.9	73.3	79.6	D	1210	1210	1210
LD2	Sage Residential Commercial	Sagebrush w/grass 2 acre residential Business/commercial	95	3	35	n/a	58.5	71.0	77.0	84.2	55.6	55.6	67.4	73.2	A	1	65	65
			100	2	n/a	n/a	46.0	65.0	77.0	82.0	1.4	2.0	2.3	2.5	B	1110	1110	1110
			100	2	n/a	n/a	89.0	92.0	94.0	95.0	1.8	1.8	1.9	1.9	C	4519	4519	4519
			100	2	n/a	n/a	56.0	68.3	74.7	84.2	58.7	59.4	74.6	77.5	D	1326	1326	1326
LD3	High sage Low sage Residential Residential Residential Multi-residential Commercial	Sagebrush w/grass Sagebrush w/grass 1/4 acre residential 1/3 acre residential 1/2 acre residential 1/8 acre residential Business/commercial	40	34	9	7	2	5	3	40	25	n/a	n/a	n/a	n/a	56.0	68.3	74.7
			100	9	7	2	5	3	40	25	n/a	n/a	n/a	n/a	n/a	56.0	68.3	74.7
			100	9	7	2	5	3	40	25	n/a	n/a	n/a	n/a	n/a	56.0	68.3	74.7
			100	9	7	2	5	3	40	25	n/a	n/a	n/a	n/a	n/a	56.0	68.3	74.7
LEA	Industrial Open space	Industrial Sagebrush w/grass	94	6	n/a	25	81.0	88.0	91.0	93.0	76.1	82.7	85.5	87.4	A	0	0	0
			100	6	n/a	25	63.5	76.3	81.7	95.0	3.8	3.8	4.6	4.9	B	294	294	294
			100	6	n/a	25	56.0	68.3	74.7	84.2	61.1	64.2	75.3	80.7	C	7885	7885	7885
			100	6	n/a	25	89.0	92.0	94.0	95.0	2.7	2.8	2.8	2.9	D	840	840	840
LLK	Water / lake Sage Residential Industrial	Impervious area Sagebrush w/grass 1 acre residential Industrial	40	52	7	1	98.0	98.0	98.0	98.0	39.2	39.2	39.2	39.2	A	0	7	7
			100	7	n/a	n/a	58.5	71.0	77.0	84.0	30.4	30.4	36.9	40.1	B	557	557	557
			100	1	n/a	n/a	51.0	68.0	79.0	84.0	3.6	4.8	5.5	5.9	C	1106	1106	1106
			100	1	n/a	n/a	81.0	88.0	91.0	93.0	0.8	0.9	0.9	0.9	D	6808	6808	6808
LV1	Pines Sage	Sagebrush w/grass Sagebrush w/grass	23	77	30	35	61.0	73.6	79.4	84.2	14.0	14.0	16.9	18.3	A	2	95	95
			100	35	30	35	58.5	71.0	77.0	84.2	45.0	45.0	54.6	59.3	B	331	331	331
			100	35	30	35	56.0	68.3	74.7	84.2	59.1	59.1	74.6	77.6	C	4481	4481	4481
			100	35	30	35	89.0	92.0	94.0	95.0	59.1	59.1	74.6	77.6	D	2343	2343	2343

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Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted	
			density	density	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	group	CN	CN		
LV2	Pine/sage mix	Sagebrush w/grass	30	30	61.0	73.6	79.4	18.3	18.3	22.1	23.8	17	1020					
	Sage	Sagebrush w/grass	52	35	58.5	71.0	77.0	30.4	30.4	36.9	40.1	22	1375					
	Residential	1 acre residential	13	n/a	51.0	68.0	79.0	6.6	8.8	10.3	10.9	39	2878					
	Sandpit	Dirt (incl right-of-way)	5	n/a	72.0	82.0	87.0	3.6	4.1	4.4	4.5	21	1688					
			100		59.0	61.7	73.6	79.2	100				69.6					
LV3	Hill sage	Sagebrush w/grass	45	30	61.0	73.6	79.4	27.5	27.5	33.1	35.7	2	87					
	Flat sage	Sagebrush w/grass	37	35	58.5	71.0	77.0	21.6	21.6	26.3	28.5	20	1217					
	Residential	1 acre residential	3	n/a	51.0	68.0	79.0	1.5	2.0	2.4	2.5	38	2822					
	Residential	2 acre residential	14	n/a	46.0	65.0	77.0	6.4	9.1	10.8	11.5	40	3183					
	Commercial	Business/commercial	1	n/a	89.0	92.0	94.0	0.9	0.9	0.9	1.0	100	7308					
		100		58.0	61.2	73.5	79.2	100				73.1						
LV4	High density sage	Sagebrush w/grass	15	45	53.5	65.7	72.3	8.0	8.0	9.8	10.9	2	116					
	Medium sage	Sagebrush w/grass	52	30	61.0	73.6	79.4	31.7	31.7	38.3	41.3	18	1078					
	Pine/sage mix	Sagebrush w/grass	32	25	63.5	76.3	81.7	20.3	20.3	24.4	26.2	40	2930					
	Multi-residential	1/8 acre residential	1	n/a	77.0	85.0	90.0	0.8	0.9	0.9	0.9	41	3207					
			100		60.8	60.9	73.4	79.2	100				73.3					
LV5	Low sage	Sagebrush w/grass	9	30	61.0	73.6	79.4	5.5	5.5	6.6	7.1	3	144					
	Pine/sage mix	Sagebrush w/grass	23	30	61.0	73.6	79.4	14.0	14.0	16.9	18.3	15	858					
	High density sage	Sagebrush w/grass	68	40	56.0	68.3	74.7	38.1	38.1	46.5	50.8	60	4222					
			100		57.6	57.6	70.0	76.2	100				69.2					
			65	35	58.5	71.0	77.0	38.0	38.0	46.1	50.1	2	123					
MA1	Sage	Sagebrush w/grass	12	n/a	77.0	85.0	90.0	9.2	10.2	10.8	11.0	35	2342					
	Residential	1/8 acre residential	6	n/a	61.0	75.0	83.0	3.7	4.5	5.0	5.2	48	3706					
	Residential	1/4 acre residential	17	n/a	81.0	88.0	91.0	13.8	15.0	15.5	15.8	16	1261					
	Industrial	Industrial	100		64.7	67.7	77.4	82.1	100				74.5					
			75	35	58.5	71.0	77.0	43.9	43.9	53.2	57.8	0	0					
MA2	Sage	Sagebrush w/grass	25	20	79.4	86.6	92.8	19.9	19.9	21.7	23.2	69	4379					
	Open space	Herbaceous mix										27	2022					
			100		63.7	63.7	74.9	81.0	100				348					
			48	30	61.0	73.6	79.4	29.3	29.3	35.3	38.1	0	0					
			31	n/a	72.0	82.0	87.0	22.3	25.4	27.0	27.6	5	340					
MG1	Sage	Sagebrush w/grass	18	n/a	89.0	92.0	94.0	16.0	16.6	16.9	17.1	89	7275					
	Open space	Dirt (incl right-of-way)	3	n/a	77.0	85.0	90.0	2.3	2.6	2.7	2.8	7	565					
	Commercial	Business/commercial	100		69.9	73.6	81.9	85.6	100				81.8					
	Multi-residential	1/8 acre residential																
			100		69.9	73.6	81.9	85.6	100				81.8					

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Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN		CN
			% cover	density	A	B	C	D	CN*A	CN*B	CN*C	CN*D	A	B	C	D	CN	CN	
ML1	Low sage	Sagebrush w/grass	81	30	61.0	73.6	79.4	49.4	49.4	59.6	64.3	0	0	0	0	0	0	0	0
	High sage	Sagebrush w/grass	10	45	53.5	65.7	72.3	5.4	5.4	6.6	7.2	14	14	859	14	859	14	859	
	Residential	1 acre residential	6	n/a	51.0	68.0	79.0	3.1	4.1	4.7	5.0	40	40	2963	40	2963	40	2963	
	Multi-residential	1/8 acre residential	3	n/a	77.0	85.0	90.0	2.3	2.6	2.7	2.8	46	46	3641	46	3641	46	3641	
			100		60.7	73.6	79.3	60.7	61.4	73.6	79.3	100	100	7454	100	7454	100	7454	
ML2	High sage	Sagebrush w/grass	60	35	58.5	71.0	77.0	35.1	35.1	42.6	46.2	0	0	12	0	12	0	12	
	Low sage	Sagebrush w/grass	40	20	66.0	78.9	84.1	26.4	26.4	31.6	33.6	77	77	4754	77	4754	77	4754	
			100		61.5	74.2	79.8	61.5	61.5	74.2	79.8	100	100	6487	100	6487	100	6487	
ML3	Sage	Sagebrush w/grass	91	30	61.0	73.6	79.4	55.5	55.5	67.0	72.2	0	0	0	0	0	0	0	
	Residential	1 acre residential	2	n/a	51.0	68.0	79.0	1.0	1.4	1.6	1.7	82	82	5098	82	5098	82	5098	
	Residential	2 acre residential	4	n/a	46.0	65.0	77.0	1.8	2.6	3.1	3.3	16	16	1212	16	1212	16	1212	
	Multi-residential	1/8 acre residential	3	n/a	77.0	85.0	90.0	2.3	2.6	2.7	2.8	2	2	120	2	120	2	120	
			100		60.7	73.6	79.4	60.7	62.0	74.4	80.0	100	100	6430	100	6430	100	6430	
MOY	Industrial	Industrial	57	n/a	81.0	88.0	91.0	46.2	50.2	51.9	53.0	0	0	15	0	15	0	15	
	Sage	Sagebrush w/grass	34	30	61.0	73.6	79.4	20.7	20.7	25.0	27.0	45	45	3542	45	3542	45	3542	
	Water / deten pond	Impervious	7	n/a	98.0	98.0	98.0	6.9	6.9	6.9	6.9	10	10	856	10	856	10	856	
	Commercial	Business/commercial	2	n/a	89.0	92.0	94.0	1.8	1.8	1.9	1.9	45	45	4021	45	4021	45	4021	
			100		75.6	79.6	88.8	75.6	79.6	85.6	88.8	100	100	8434	100	8434	100	8434	
NV1	Vacant industrial	Dirt (incl right-of-way)	86	n/a	72.0	82.0	87.0	61.9	70.5	74.8	76.5	0	0	0	0	0	0	0	
	Sage	Sagebrush w/grass	14	30	61.0	73.6	79.4	8.5	8.5	10.3	11.1	5	5	379	5	379	5	379	
			100		70.5	79.1	85.1	70.5	79.1	85.1	87.7	100	100	8499	100	8499	100	8499	
PA1	Sage	Sagebrush w/grass	97	40	56.0	68.3	74.7	54.3	54.3	66.3	72.4	0	0	17	0	17	0	17	
	Residential	1 acre residential	1	n/a	51.0	68.0	79.0	0.5	0.7	0.8	0.8	16	16	912	16	912	16	912	
	Residential	2 acre residential	2	n/a	46.0	65.0	77.0	0.9	1.3	1.5	1.6	73	73	4994	73	4994	73	4994	
				100		55.8	68.3	74.9	55.8	56.3	68.6	74.9	100	100	6724	100	6724	100	6724
PA2	Sage	Sagebrush w/grass	99	40	56.0	68.3	74.7	55.4	55.4	67.6	73.9	0	0	0	0	0	0	0	
	Residential	2 acre residential	1	n/a	46.0	65.0	77.0	0.5	0.7	0.8	0.8	3	3	168	3	168	3	168	
				100		55.9	68.4	74.8	55.9	56.1	68.4	74.8	100	100	6891	100	6891	100	6891
				100		55.9	68.4	74.8	55.9	56.1	68.4	74.8	100	100	6891	100	6891	100	6891

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	% cover by area density				Curve number				Product CN*Area				% Soil group		Weighted CN			
			A	B	C	D	A	B	C	D	CN*A	CN*B	CN*C	CN*D	A	B	CN	CN		
PA3	Sagebrush w/grass 2 acre residential		97	40	56.0	68.3	74.7	54.3	54.3	66.3	72.4	0	0	0	0	0	0	0		
			3	n/a	46.0	65.0	77.0	82.0	1.4	2.0	2.3	2.5	3	191	5280	1468	6940	694		
			100		55.7	58.3	68.6	74.9	58.5	58.5	71.0	77.0	100	0	0	0	0	0	0	
			69	40	56.0	68.3	74.7	82.0	38.6	38.6	47.1	51.5	A	0	0	0	0	0	0	
PA4	Sagebrush w/grass 2 acre residential Industrial		15	n/a	46.0	65.0	77.0	82.0	6.9	9.8	11.6	12.3	5	306	6387	622	7315	731		
			16	n/a	81.0	88.0	91.0	93.0	13.0	14.1	14.6	14.9	B	5	306	6387	622	7315	731	
			100		58.5	62.5	73.2	78.7	58.5	58.5	71.0	77.0	100	0	0	0	0	0	0	
			100	35	58.5	71.0	77.0	77.0	58.5	58.5	71.0	77.0	A	0	0	0	0	0	0	
PA5	Sagebrush w/grass		100	35	58.5	71.0	77.0	58.5	58.5	71.0	77.0	5	293	6174	616	7083	708			
			100		58.5	62.5	73.2	78.7	58.5	58.5	71.0	77.0	B	5	293	6174	616	7083	708	
			100	35	58.5	71.0	77.0	77.0	58.5	58.5	71.0	77.0	C	87	6174	616	7083	708		
			100		58.5	62.5	73.2	78.7	58.5	58.5	71.0	77.0	D	8	616	616	7083	708		
PA6	Sagebrush w/grass		100	35	58.5	71.0	77.0	58.5	58.5	71.0	77.0	0	0	0	0	0	0	0		
			100		58.5	62.5	73.2	78.7	58.5	58.5	71.0	77.0	A	0	0	0	0	0	0	
			100	35	58.5	71.0	77.0	77.0	58.5	58.5	71.0	77.0	B	5	287	6188	609	7084	708	
			100		58.5	62.5	73.2	78.7	58.5	58.5	71.0	77.0	C	87	6188	609	7084	708		
PA7	Sagebrush w/grass		100	30	61.0	73.6	79.4	61.0	61.0	73.6	79.4	0	0	0	0	0	0	0		
			100		61.0	61.0	73.6	79.4	61.0	61.0	73.6	79.4	A	0	0	0	0	0	0	
			100	30	61.0	73.6	79.4	79.4	61.0	61.0	73.6	79.4	B	5	289	6420	627	7346	735	
			100		61.0	61.0	73.6	79.4	61.0	61.0	73.6	79.4	C	87	6420	627	7346	735		
PAT	Sagebrush w/grass 1/4 acre residential 1/3 acre residential 1/2 acre residential Commercial		89	35	58.5	71.0	77.0	52.1	52.1	63.2	68.6	3	182	1212	3686	2016	7096	710		
			4	n/a	61.0	75.0	83.0	87.0	2.4	3.0	3.3	3.5	A	3	182	1212	3686	2016	7096	710
			5	n/a	57.0	72.0	81.0	86.0	2.9	3.6	4.1	4.3	B	20	1212	3686	2016	7096	710	
			1	n/a	54.0	70.0	80.0	85.0	0.5	0.7	0.8	0.9	C	51	3686	2016	7096	710		
PE1	Sagebrush w/grass Burned / sage Burned / grass		100		58.5	60.3	72.3	78.1	58.5	60.3	72.3	78.1	100	0	0	0	0	0		
			79	40	56.0	68.3	74.7	81.7	44.2	44.2	54.0	59.0	A	0	0	0	0	0	0	
			18	25	63.5	76.3	81.7	91.5	11.4	11.4	13.7	14.7	B	3	157	4847	2164	7167	717	
			3	30	76.6	84.8	91.5	91.5	2.3	2.3	2.5	2.7	C	69	4847	2164	7167	717		
100		58.0	58.0	70.2	76.5	58.0	58.0	70.2	76.5	D	28	2164	7167	7167	717					

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Basin	Field description	CN designation	% cover by area density				Curve number				Product CN*Area				% Soil group		Weighted CN	
			A	B	C	D	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	CN	CN	
PE2	Sage	Sagebrush w/grass	86	40	56.0	68.3	74.7	48.2	48.2	58.7	64.2	A	0	6				
	Burned / sage	Sagebrush w/grass	2	25	63.5	76.3	81.7	1.3	1.3	1.5	1.6	B	3	199				
	Burned / grass	Herbaceous	12	30	76.6	84.8	91.5	9.2	9.2	10.2	11.0	C	50	3536				
				100				58.9	58.6	70.4	76.9	D	46	3558				
													100	7299	73.0			
PE3	Burned / sage	Sagebrush w/grass	85	25	63.5	76.3	81.7	54.0	54.0	64.8	69.5	A	0	0				
	Burned / grass	Herbaceous	15	30	76.6	84.8	91.5	11.5	11.5	12.7	13.7	B	5	327				
												C	72	5591				
												D	23	1905				
													100	7824	78.2			
PE4	Hill sage	Sagebrush w/grass	25	40	56.0	68.3	74.7	14.0	14.0	17.1	18.7							
	Flat sage	Sagebrush w/grass	38	35	58.5	71.0	77.0	22.2	22.2	27.0	29.3							
	Burned / sage	Sagebrush w/grass	20	25	63.5	76.3	81.7	12.7	12.7	15.3	16.3							
	Burned / grass	Herbaceous	3	30	76.6	84.8	91.5	2.3	2.3	2.5	2.7							
	Multi-residential	1/8 acre residential	2	n/a	77.0	85.0	90.0	1.5	1.7	1.8	1.8							
	Residential	1/3 acre residential	1	n/a	57.0	72.0	81.0	0.6	0.7	0.8	0.9							
	Residential	1/2 acre residential	7	n/a	54.0	70.0	80.0	3.8	4.9	5.6	6.0	A	0	0				
	Residential	1 acre residential	1	n/a	51.0	68.0	79.0	0.5	0.7	0.8	0.8	B	3	197				
	Residential	2 acre residential	1	n/a	46.0	65.0	77.0	0.5	0.7	0.8	0.8	C	61	4465				
	Industrial	Industrial	2	n/a	81.0	88.0	91.0	1.6	1.8	1.8	1.9	D	36	2851				
														100	7513	75.1		
	PE5	Hill sage	Sagebrush w/grass	89	45	53.5	65.7	72.3	47.6	47.6	58.4	64.4						
Trees		Aspen-rtn brush	5	60	42.0	51.7	58.0	2.1	2.1	2.6	2.9	A	0	0				
Flat sage		Sagebrush w/grass	3	35	58.5	71.0	77.0	1.8	1.8	2.1	2.3	B	12	642				
Burned / sage		Sagebrush w/grass	2	25	63.5	76.3	81.7	1.3	1.3	1.5	1.6	C	36	2372				
Burned / grass		Herbaceous	1	30	76.6	84.8	91.5	0.8	0.8	0.8	0.9	D	52	3737				
				100				53.5	53.5	65.5	72.1							
													100	6751	67.5			
PE6	Sage	Sagebrush w/grass	100	35	58.5	71.0	77.0	58.5	58.5	71.0	77.0	A	0	0				
												B	15	293				
												C	88	6238				
												D	7	547				
													100	7078	70.8			
PE7	Hill sage	Sagebrush w/grass	58	45	53.5	65.7	72.3	31.0	31.0	38.1	42.0	A	0	6				
	Flat sage	Sagebrush w/grass	27	35	58.5	71.0	77.0	15.8	15.8	19.2	20.8	B	2	130				
	Burned / sage	Sagebrush w/grass	13	25	63.5	76.3	81.7	8.3	8.3	9.9	10.6	C	19	1281				
	Burned / grass	Herbaceous	2	30	76.6	84.8	91.5	1.5	1.5	1.7	1.8	D	79	5942				
													100	7358	73.6			

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Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN		CN	
			96	35	n/a	4	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	CN	CN			
PH1	Sage Multi-residential	Sagebrush w/grass 1/8 acre residential	96	35	n/a	4	58.5	71.0	77.0	74.0	56.2	56.2	68.1	74.0	A	0	0	0	7399	73.9
			4				77.0	85.0	90.0	92.0	3.1	3.4	3.6	3.7	B	256	256			
											50					C	3601	3601		
											46					D	3532	3532		
			100							59.2	59.6	74.7	77.6	100				7399	73.9	
PW1	Sage	Sagebrush w/grass	100	40			56.0	68.3	74.7	74.7	56.0	56.0	68.3	74.7	A	0	0	0		
															B	112	112			
															C	4857	4857			
															D	2009	2009			
			100							56.0	56.0	68.3	74.7	100				6978	69.8	
PW2	Sage	Sagebrush w/grass	100	40			56.0	68.3	74.7	74.7	56.0	56.0	68.3	74.7	A	0	0	0		
															B	202	202			
															C	5923	5923			
															D	724	724			
			100							56.0	56.0	68.3	74.7	100				6849	68.5	
PW3	Dense sage Slopes Trees	Sagebrush w/grass Sagebrush w/grass Aspen-mtn brush	30	50			51.0	63.0	70.0	21.0	15.3	18.9	21.0	A	0	0	0			
			66	25			63.5	76.3	81.7	53.9	41.9	50.3	53.9	B	1277	1277				
			4	50			48.0	57.0	63.0	2.5	1.9	2.3	2.5	C	3734	3734				
															D	2014	2014			
			100							59.1	59.1	74.5	77.5	100				7036	70.4	
PW4	Dense sage Slopes Trees Residential Multi-residential	Sagebrush w/grass Sagebrush w/grass Aspen-mtn brush 2 acre residential 1/8 acre residential	44	50			51.0	63.0	70.0	30.8	22.4	27.7	30.8	A	29	29	29			
			49	25			63.5	76.3	81.7	40.0	31.1	37.4	40.0	B	2137	2137				
			5	50			48.0	57.0	63.0	3.2	2.4	2.9	3.2	C	3035	3035				
			1	n/a			46.0	65.0	77.0	0.8	0.5	0.7	0.8	D	1416	1416				
			100							57.2	57.5	75.7	75.7	100				6617	66.2	
PW5	Dense sage Slopes Trees Residential Multi-residential	Sagebrush w/grass Sagebrush w/grass Aspen-mtn brush 2 acre residential 1/8 acre residential	38	50			51.0	63.0	70.0	26.6	19.4	23.9	26.6	A	11	11	11			
			47	25			63.5	76.3	81.7	38.4	29.8	35.9	38.4	B	2162	2162				
			12	50			48.0	57.0	63.0	0.8	5.8	6.8	7.6	C	3370	3370				
			1	n/a			46.0	65.0	77.0	1.8	0.5	0.7	0.8	D	1008	1008				
			100							57.0	57.3	75.2	75.2	100				6551	65.5	

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Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group	Weighted		
			density	A	B	C	D	A	B	C	D	CN*A	CN*B	CN*C		CN*D	CN	CN
PW6	Dense sage	Sagebrush w/grass	48	51.0	63.0	70.0	24.5	24.5	30.2	33.6	577	58.0	70.0	762	100	660	66.0	
	Slopes	Sagebrush w/grass	44	63.5	76.3	81.7	27.9	27.9	33.6	36.0	27.9	27.9	33.6	36.0	0	0	0	
	Trees	Aspen-rtn brush	2	48.0	57.0	63.0	1.0	1.0	1.1	1.3	1.0	1.0	1.1	1.3	20	1167	20	
	Ranch	Herbaceous	3	71.0	81.0	89.0	2.1	2.1	2.4	2.7	2.1	2.1	2.4	2.7	50	3476	50	
	Residential	1 acre residential	1	n/a	51.0	68.0	79.0	0.5	0.7	0.8	0.8	0.5	0.7	0.8	30	2239	30	
	Multi-residential	1/8 acre residential	1	n/a	77.0	85.0	90.0	0.8	0.9	0.9	0.9	0.8	0.9	0.9	100	6883	100	
Commercial	Business/commercial	1	n/a	89.0	92.0	94.0	0.9	0.9	0.9	1.0	0.9	0.9	1.0	69	5685	69		
PW7	Dense sage	Sagebrush w/grass	52	53.5	65.7	72.3	27.8	27.8	34.1	37.6	572	57.2	69.5	757	100	8024	80.2	
	Slopes	Sagebrush w/grass	43	63.5	76.3	81.7	27.3	27.3	32.8	35.1	27.3	27.3	32.8	35.1	4	278	4	
	Trees	Aspen-rtn brush	5	42.0	51.7	58.0	2.1	2.1	2.6	2.9	2.1	2.1	2.6	2.9	36	2528	36	
	Hill sage	Sagebrush w/grass	40	56.0	68.3	74.7	22.4	22.4	27.3	29.9	22.4	22.4	27.3	29.9	24	1929	24	
	Open space	Sagebrush w/grass	16	61.0	73.6	79.4	9.8	9.8	11.8	12.7	9.8	9.8	11.8	12.7	37	3185	37	
	Vacant industrial	Herbaceous	11	25	78.0	85.7	92.1	8.6	8.6	9.4	10.1	8.6	8.6	9.4	100	6883	100	
RH1	Commercial	Business/commercial	2	n/a	89.0	92.0	94.0	1.8	1.8	1.9	1.9	1.8	1.8	1.9	3	205	3	
	Industrial	Industrial	13	n/a	81.0	88.0	91.0	10.5	11.4	11.8	12.1	10.5	11.4	11.8	9	619	9	
	Multi-residential	1/8 acre residential	13	n/a	77.0	85.0	90.0	10.0	11.1	11.7	12.0	10.0	11.1	11.7	19	1515	19	
	Residential	1/4 acre residential	4	n/a	61.0	75.0	83.0	2.4	3.0	3.3	3.5	2.4	3.0	3.3	69	5685	69	
	Residential	1/3 acre residential	1	n/a	57.0	72.0	81.0	0.6	0.7	0.8	0.9	0.6	0.7	0.8	0.9	80	24	80
	Commercial	Business/commercial	100	100	100	100	66.1	68.9	78.1	83.0	66.1	68.9	78.1	83.0	100	8024	80.2	
RR1	Burned range	Herbaceous	28	80.0	87.0	93.0	22.4	22.4	24.4	26.0	22.4	22.4	24.4	26.0	4	278	4	
	Burned east slope	Herbaceous	31	78.0	85.7	92.1	24.2	24.2	26.6	28.6	24.2	24.2	26.6	28.6	36	2528	36	
	Open range	Sagebrush w/grass	13	63.5	76.3	81.7	8.3	8.3	9.9	10.6	8.3	8.3	9.9	10.6	24	1929	24	
	Sage	Sagebrush w/grass	28	58.5	71.0	77.0	16.4	16.4	19.9	21.6	16.4	16.4	19.9	21.6	37	3185	37	
	Sage	Sagebrush w/grass	100	100	100	100	71.2	71.2	80.7	86.8	71.2	71.2	80.7	86.8	100	7920	79.2	
	Commercial	Business/commercial	100	100	100	100	58.5	58.5	71.0	77.0	58.5	58.5	71.0	77.0	0	0	0	
RRI	Sage	Sagebrush w/grass	35	58.5	71.0	77.0	15	15	15	15	15	15	15	15	1	53	1	
	Sage	Sagebrush w/grass	25	78.0	85.7	92.1	25	25	25	25	25	25	25	25	93	6579	93	
	Open range	Sagebrush w/grass	13	63.5	76.3	81.7	8.3	8.3	9.9	10.6	8.3	8.3	9.9	10.6	6	493	6	
	Sage	Sagebrush w/grass	28	58.5	71.0	77.0	16.4	16.4	19.9	21.6	16.4	16.4	19.9	21.6	100	7124	71.2	
	Sage	Sagebrush w/grass	100	100	100	100	58.5	58.5	71.0	77.0	58.5	58.5	71.0	77.0	0	0	0	
	Commercial	Business/commercial	100	100	100	100	73.3	73.3	85.9	88.8	73.3	73.3	85.9	88.8	100	8595	86.0	
RSD	Sage	Sagebrush w/grass	26	61.0	73.6	79.4	15.9	15.9	19.1	20.6	15.9	15.9	19.1	20.6	0	0	0	
	Multi-residential	1/8 acre residential	68	77.0	85.0	90.0	52.4	57.8	61.2	62.6	52.4	57.8	61.2	62.6	12	126	12	
	Residential	1/4 acre residential	1	n/a	61.0	75.0	83.0	0.6	0.8	0.8	0.9	0.6	0.8	0.9	92	7900	92	
	Commercial	Business/commercial	5	n/a	89.0	92.0	94.0	4.5	4.6	4.7	4.8	4.5	4.6	4.7	4.8	6	568	6
	Commercial	Business/commercial	100	100	100	100	73.3	73.3	85.9	88.8	73.3	73.3	85.9	88.8	100	8595	86.0	
	Commercial	Business/commercial	100	100	100	100	73.3	73.3	85.9	88.8	73.3	73.3	85.9	88.8	100	8595	86.0	

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			density	A	B	C	D	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	CN	CN	
SE1	Sagebrush w/grass 1 acre residential Residential 2 acre residential		92	30	61.0	73.6	79.4	56.1	56.1	67.7	73.0	0	0	0	0	0	0	0	
			4	n/a	51.0	68.0	79.0	84.0	2.0	2.7	3.2	3.4	258	258	258	258	258	258	
			4	n/a	46.0	65.0	77.0	82.0	1.8	2.6	3.1	3.3	6443	6443	6443	6443	6443	6443	6443
			100		60.0	61.0	74.0	79.7	60.0	61.0	74.0	79.7	7354	7354	7354	7354	7354	7354	7354
SE2	Sage Multi-residential Schools	Sagebrush w/grass 1/8 acre residential General commercial	35	30	61.0	73.6	79.4	21.4	21.4	25.8	27.8	0	0	0	0	0	0	0	
			3	n/a	77.0	85.0	90.0	92.0	2.3	2.6	2.7	2.8	210	210	210	210	210	210	210
			62	n/a	89.0	92.0	94.0	95.0	55.2	57.0	58.3	58.9	7868	7868	7868	7868	7868	7868	7868
			100		78.9	80.9	86.7	89.4	78.9	80.9	86.7	89.4	8579	8579	8579	8579	8579	8579	8579
SE3	Multi-residential Vacant	1/8 acre residential Dirt (incl right-of-way)	87	n/a	77.0	85.0	90.0	92.0	67.0	74.0	78.3	80.0	0	0	0	0	0	0	
			13	n/a	72.0	82.0	87.0	89.0	9.4	10.7	11.3	11.6	203	203	203	203	203	203	203
			100		76.4	84.6	89.6	91.6	76.4	84.6	89.6	91.6	8146	8146	8146	8146	8146	8146	8146
			97	30	76.6	84.8	91.5	92.0	74.3	74.3	82.2	88.8	8962	8962	8962	8962	8962	8962	8962
SE4	Vacant Multi-residential	Herbaceous 1/8 acre residential	3	n/a	77.0	85.0	90.0	92.0	2.3	2.6	2.7	2.8	0	0	0	0	0	0	
			100		76.6	84.8	91.5	92.0	74.3	74.3	82.2	88.8	361	361	361	361	361	361	361
			97	30	76.6	84.8	91.5	92.0	74.3	74.3	82.2	88.8	7217	7217	7217	7217	7217	7217	7217
			100		76.6	84.8	91.5	92.0	74.3	74.3	82.2	88.8	943	943	943	943	943	943	943
SGP	Sage Industrial Vacant industrial	Sagebrush w/grass Industrial Dirt (incl right-of-way)	15	30	61.0	73.6	79.4	9.2	9.2	11.0	11.9	0	0	0	0	0	0	0	
			44	n/a	81.0	88.0	91.0	93.0	35.6	38.7	40.0	40.9	372	372	372	372	372	372	372
			41	n/a	72.0	82.0	87.0	89.0	29.5	33.6	35.7	36.5	4099	4099	4099	4099	4099	4099	4099
			100		74.3	81.5	86.8	89.3	74.3	81.5	86.8	89.3	866	866	866	866	866	866	866
S11	Sage	Sagebrush w/grass	100	30	61.0	73.6	79.4	61.0	61.0	73.6	79.4	0	0	0	0	0	0	0	
			100		61.0	73.6	79.4	79.4	61.0	61.0	73.6	79.4	244	244	244	244	244	244	244
			100		61.0	73.6	79.4	79.4	61.0	61.0	73.6	79.4	6553	6553	6553	6553	6553	6553	6553
			100		61.0	73.6	79.4	79.4	61.0	61.0	73.6	79.4	556	556	556	556	556	556	556
S12	Sage Residential	Sagebrush w/grass 1/2 acre residential	93	30	61.0	73.6	79.4	56.7	56.7	68.5	73.8	0	0	0	0	0	0	0	
			7	n/a	54.0	70.0	80.0	85.0	3.8	4.9	5.6	6.0	247	247	247	247	247	247	247
			100		60.5	61.6	74.1	79.8	60.5	61.6	74.1	79.8	6592	6592	6592	6592	6592	6592	6592
			100		60.5	61.6	74.1	79.8	60.5	61.6	74.1	79.8	558	558	558	558	558	558	558

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group	Weighted CN	CN		
			29	25	A	B	C	D	18.4	CN*A	CN*B	CN*C	CN*D	100				CN	
SK1	Steep sage	Sagebrush w/grass	29	25	63.5	76.3	81.7	18.4	18.4	22.1	23.7	0	12	100	7392	73.9			
	Foothill sage	Sagebrush w/grass	25	40	56.0	68.3	74.7	14.0	14.0	17.1	18.7	A	12						
	Residential sage	Sagebrush w/grass	30	30	61.0	73.6	79.4	18.3	18.3	22.1	23.8	B	720						
	Residential	1/2 acre residential	3	n/a	54.0	70.0	80.0	1.6	2.1	2.4	2.6	C	4536						
	Residential	1 acre residential	9	n/a	51.0	68.0	79.0	4.6	6.1	7.1	7.6	D	2125						
	Residential	2 acre residential	4	n/a	46.0	65.0	77.0	1.8	2.6	3.1	3.3								
SK2	Burned	Herbaceous	100	18	78.0	85.7	92.1	14.0	14.0	15.4	16.6			100	7392	73.9			
	Foothill sage	Sagebrush w/grass	8	40	56.0	68.3	74.7	4.5	4.5	5.5	6.0	A	6						
	Flat sage	Sagebrush w/grass	50	30	61.0	73.6	79.4	30.5	30.5	36.8	39.7	B	1381						
	Residential	1 acre residential	7	n/a	51.0	68.0	79.0	3.6	4.8	5.5	5.9	C	2460						
	Residential	2 acre residential	6	n/a	46.0	65.0	77.0	2.8	3.9	4.6	4.9	D	3981						
	Industrial	Industrial	11	n/a	81.0	88.0	91.0	8.9	9.7	10.0	10.2								
	Burned	Herbaceous	100	41	78.0	85.7	92.1	32.0	32.0	35.1	37.8						100	7392	73.9
	Sage	Sagebrush w/grass	31	35	58.5	71.0	77.0	18.1	18.1	22.0	23.9	A	106						
	Eastern pines	Sagebrush w/grass	6	35	58.5	71.0	77.0	3.5	3.5	4.3	4.6	B	1599						
	Airport	Industrial	19	n/a	81.0	88.0	91.0	15.4	16.7	17.3	17.7	C	4019						
	Residential	1 acre residential	2	n/a	51.0	68.0	79.0	1.0	1.4	1.6	1.7	D	2317						
Residential	2 acre residential	1	n/a	46.0	65.0	77.0	0.5	0.7	0.8	0.8									
Burned	Herbaceous	100	18	61.0	73.6	79.4	70.5	72.4	81.0	86.4			100	7392	73.9				
Pines	Sagebrush w/grass	18	30	61.0	73.6	79.4	11.0	11.0	13.3	14.3	A	83							
Sage	Sagebrush w/grass	56	35	58.5	71.0	77.0	32.8	32.8	39.7	43.1	B	1578							
Burned	Herbaceous	24	25	78.0	85.7	92.1	16.7	18.7	20.6	22.1	C	3526							
Grass	Herbaceous	2	50	71.0	81.0	89.0	1.4	1.4	1.6	1.8	D	2204							
Sage	Sagebrush w/grass	100	40	58.5	71.0	77.0	63.9	63.9	75.2	81.3						100	7392	73.9	
Residential	1/8 acre residential	40	35	77.0	85.0	90.0	23.4	23.4	28.4	30.8	A	0							
Residential	1/4 acre residential	53	n/a	61.0	75.0	83.0	40.8	45.1	47.7	48.8	B	357							
Multi-residential	1/8 acre residential	6	n/a	77.0	85.0	90.0	0.6	0.8	0.8	0.9	C	7186							
Sage	Sagebrush w/grass	100	46	61.0	73.6	79.4	69.4	74.3	82.3	86.0	D	679							
Water	Impervious area	53	n/a	98.0	98.0	98.0	28.1	28.1	33.9	36.5	A	8							
Industrial	Industrial	1	n/a	81.0	88.0	91.0	0.8	0.9	0.9	0.9	B	445							
Burned	Herbaceous	100	18	61.0	73.6	79.4	80.8	80.9	86.7	89.4	C	225							
Grass	Herbaceous	2	50	71.0	81.0	89.0	0.8	0.9	0.9	0.9	D	8205							
Industrial	Industrial	11	n/a	81.0	88.0	91.0	80.8	80.9	86.7	89.4			100	7392	73.9				
Burned	Herbaceous	100	41	78.0	85.7	92.1	32.0	32.0	35.1	37.8									
Sage	Sagebrush w/grass	31	35	58.5	71.0	77.0	18.1	18.1	22.0	23.9	A	6							
Eastern pines	Sagebrush w/grass	6	35	58.5	71.0	77.0	3.5	3.5	4.3	4.6	B	1381							
Airport	Industrial	19	n/a	81.0	88.0	91.0	15.4	16.7	17.3	17.7	C	2460							
Residential	1 acre residential	2	n/a	51.0	68.0	79.0	1.0	1.4	1.6	1.7	D	3981							
Residential	2 acre residential	1	n/a	46.0	65.0	77.0	0.5	0.7	0.8	0.8									
Burned	Herbaceous	100	18	61.0	73.6	79.4	70.5	72.4	81.0	86.4						100	7392	73.9	
Pines	Sagebrush w/grass	18	30	61.0	73.6	79.4	11.0	11.0	13.3	14.3	A	83							
Sage	Sagebrush w/grass	56	35	58.5	71.0	77.0	32.8	32.8	39.7	43.1	B	1578							
Burned	Herbaceous	24	25	78.0	85.7	92.1	16.7	18.7	20.6	22.1	C	3526							
Grass	Herbaceous	2	50	71.0	81.0	89.0	1.4	1.4	1.6	1.8	D	2204							
Sage	Sagebrush w/grass	100	40	58.5	71.0	77.0	63.9	63.9	75.2	81.3			100	7392	73.9				
Residential	1/8 acre residential	40	35	77.0	85.0	90.0	23.4	23.4	28.4	30.8	A	0							
Residential	1/4 acre residential	53	n/a	61.0	75.0	83.0	40.8	45.1	47.7	48.8	B	357							
Multi-residential	1/8 acre residential	6	n/a	77.0	85.0	90.0	0.6	0.8	0.8	0.9	C	7186							
Sage	Sagebrush w/grass	100	46	61.0	73.6	79.4	69.4	74.3	82.3	86.0	D	679							
Water	Impervious area	53	n/a	98.0	98.0	98.0	28.1	28.1	33.9	36.5	A	8							
Industrial	Industrial	1	n/a	81.0	88.0	91.0	0.8	0.9	0.9	0.9	B	445							
Burned	Herbaceous	100	18	61.0	73.6	79.4	80.8	80.9	86.7	89.4	C	225							
Grass	Herbaceous	2	50	71.0	81.0	89.0	0.8	0.9	0.9	0.9	D	8205							
Industrial	Industrial	11	n/a	81.0	88.0	91.0	80.8	80.9	86.7	89.4						100	7392	73.9	
Burned	Herbaceous	100	41	78.0	85.7	92.1	32.0	32.0	35.1	37.8									
Sage	Sagebrush w/grass	31	35	58.5	71.0	77.0	18.1	18.1	22.0	23.9	A	6							
Eastern pines	Sagebrush w/grass	6	35	58.5	71.0	77.0	3.5	3.5	4.3	4.6	B	1381							
Airport	Industrial	19	n/a	81.0	88.0	91.0	15.4	16.7	17.3	17.7	C	2460							
Residential	1 acre residential	2	n/a	51.0	68.0	79.0	1.0	1.4	1.6	1.7	D	3981							
Residential	2 acre residential	1	n/a	46.0	65.0	77.0	0.5	0.7	0.8	0.8									

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN	
			A	B	C	D	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	CN	CN	
SL1	Sage Apartments	Sagebrush w/grass 1/8 acre residential	60	35	58.5	71.0	77.0	35.1	35.1	42.6	46.2	0	0	A	0			
			40	n/a	77.0	85.0	90.0	92.0	30.8	34.0	36.0	36.8	5	346	B	346		
			87										6837	6837	C	6837		
			8										664	664	D	664		
			100				65.9	69.1	78.6	83.0			100	7846	7846	7846		
SL2	Sage Apartments	Sagebrush w/grass 1/8 acre residential	40	35	58.5	71.0	77.0	23.4	23.4	28.4	30.8	0	0	A	0			
			60	n/a	77.0	85.0	90.0	92.0	46.2	51.0	54.0	55.2	5	372	B	372		
			87										7168	7168	C	7168		
			8										688	688	D	688		
			100				69.6	74.4	82.4	86.0			100	8228	8228	8228		
SL3a	Residential Golf course	1/3 acre residential Business/commercial	94	n/a	57.0	72.0	81.0	86.0	53.6	67.7	76.1	80.8	0	0	A	0		
			6	n/a	49.0	69.0	79.0	84.0	2.9	4.1	4.7	5.0	5	359	B	359		
			87										7037	7037	C	7037		
			8										687	687	D	687		
			100				56.5	71.8	80.9	85.9			100	8083	8083	8083		
SL3b	Open space Residential Residential School	Sagebrush w/grass 1/8 acre residential 1/4 acre residential General commercial	33	30	61.0	73.6	79.4	20.1	20.1	24.3	26.2	1	35	A	35			
			56	n/a	77.0	85.0	90.0	92.0	43.1	47.6	50.4	51.5	4	290	B	290		
			9	n/a	61.0	75.0	83.0	87.0	5.5	6.8	7.5	7.8	67	5665	C	5665		
			2	n/a	89.0	92.0	94.0	95.0	1.8	1.8	1.9	1.9	28	2483	D	2483		
			100				70.5	76.3	84.0	87.4			100	8473	8473	8473		
SRS	Sage	Sagebrush w/grass	100	30	61.0	73.6	79.4	61.0	61.0	73.6	79.4	0	0	A	0			
													244	244	B	244		
													6553	6553	C	6553		
													556	556	D	556		
			100				61.0	61.0	73.6	79.4			100	7352	7352	7352		
SS1a	Sage	Sagebrush w/grass	100	35	58.5	71.0	77.0	58.5	58.5	71.0	77.0	0	0	A	0			
													293	293	B	293		
													6174	6174	C	6174		
													616	616	D	616		
			100				58.5	58.5	71.0	77.0			100	7053	7053	7053		
SS1b	Sage Apartments	Sagebrush w/grass 1/8 acre residential	25	35	58.5	71.0	77.0	14.6	14.6	17.7	19.3	0	0	A	0			
			75	n/a	77.0	85.0	90.0	92.0	57.8	63.8	67.5	69.0	5	392	B	392		
			87										7416	7416	C	7416		
			8										706	706	D	706		
			100				72.4	78.4	85.2	89.3			100	8514	8514	8514		

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	% cover by area				Curve number				Product CN*Area				% Soil group		Weighted CN	
			100	35	density	% cover	A	B	C	D	CN*A	CN*B	CN*C	CN*D	group	CN	CN	
SS2	Sage	Sagebrush w/grass	100	35		58.5	71.0	77.0	58.5	58.5	71.0	77.0	A	0	0	7081	70.8	
			68	n/a		77.0	85.0	90.0	92.0	52.4	57.8	61.2	62.6	B	5			304
			22	n/a		61.0	75.0	83.0	87.0	13.4	16.5	18.3	19.1	C	87			6160
			1	n/a		57.0	72.0	81.0	86.0	0.6	0.7	0.8	0.9	D	8			616
SS3	Residential	1/8 acre residential	100			58.5	71.0	77.0	58.5	58.5	71.0	77.0	A	0	0	7081	70.8	
			22	n/a		61.0	75.0	83.0	87.0	13.4	16.5	18.3	19.1	B	5			380
			1	n/a		57.0	72.0	81.0	86.0	0.6	0.7	0.8	0.9	C	38			3302
			7	35		58.5	71.0	77.0	58.5	58.5	71.0	77.0	D	57	5158			
ST1	Commercial	General commercial	100			72.2	81.0	87.1	72.2	81.0	87.1	89.9	A	0	0	8840	88.4	
			30	n/a		89.0	92.0	94.0	95.0	26.7	27.6	28.2	28.5	B	2			123
			54	n/a		72.0	82.0	87.0	89.0	38.9	44.3	47.0	48.1	C	92			8027
			13	30		61.0	73.6	79.4	7.9	7.9	9.6	10.3	D	6	572			
ST2	Open space	Sagebrush w/grass	100			75.1	81.9	87.2	75.1	81.9	87.2	89.4	A	0	0	87218	87.2	
			14	25		63.5	76.3	81.7	8.9	8.9	10.7	11.4	B	2	123			
			13	n/a		77.0	85.0	90.0	92.0	10.0	11.1	11.7	12.0	C	92			8027
			12	n/a		61.0	75.0	83.0	87.0	7.3	9.0	10.0	10.4	D	6			572
ST3	Open space	Herbaceous	100			75.5	81.3	87.2	75.5	81.3	87.2	90.5	A	0	0	8695	86.9	
			12	25		63.5	76.3	81.7	7.6	7.6	9.2	9.8	B	7	593			
			11	30		76.6	84.8	91.5	8.4	8.4	9.3	10.1	C	84	7338			
			13	n/a		77.0	85.0	90.0	92.0	9.2	10.2	10.8	11.0	D	8			733
TP1	Open space	Sagebrush w/grass	100			78.3	83.3	88.5	78.3	83.3	88.5	91.4	A	0	0	8597	86.0	
			48	30		61.0	73.6	79.4	29.3	29.3	35.3	38.1	B	4	317			
			48	n/a		77.0	85.0	90.0	92.0	37.0	40.8	43.2	44.2	C	90			7366
			1	n/a		89.0	92.0	94.0	95.0	0.9	0.9	0.9	1.0	D	6			525

City of Reno - Stead Master Drainage Study
Existing Curve Numbers

Basin	Field description	CN designation	% cover by area	% Cover density	Curve number				Product CN*Area				% Soil group	Weighted CN	CN
					A	B	C	D	CN*A	CN*B	CN*C	CN*D			
TP2	Open space	Sagebrush w/grass	36	35	58.5	71.0	77.0		21.1	21.1	25.5	27.7	A	314	
	Multi-residential	1/8 acre residential	46	n/a	77.0	85.0	90.0	92.0	35.4	39.1	41.4	42.3	B	1158	
	Business	Business/commercial	5	n/a	89.0	92.0	94.0	95.0	4.5	4.6	4.7	4.8	C	4224	
	Industrial	Industrial	13	n/a	81.0	88.0	91.0	93.0	10.5	11.4	11.8	12.1	D	2589	
			100					71.5	76.2	83.5	86.9			8286	82.9
UPR	Industrial	Industrial	59	n/a	81.0	88.0	91.0	93.0	47.8	51.9	53.7	54.9	A	24	
	Vacant industrial	Herbaceous	41	30	76.6	84.8	91.5		31.4	31.4	34.7	37.5	B	100	
													C	2618	
													D	6365	
			100					79.2	83.3	88.4	92.4			9107	91.1

Note: All % cover by area estimates based upon land use file 050699.xls

Soil Hydrologic Characteristics

BASIN	% A	% B	% C	% D
AW1	0.0	2.2	88.7	9.1
AW2	0.0	1.6	62.6	35.8
AW3	0.0	4.5	88.0	7.5
BER	1.9	30.2	48.5	19.4
ESB	0.0	4.4	88.2	7.4
FR1	6.6	34.0	30.4	29.0
FR2	4.0	24.8	49.6	21.6
GC1	0.0	3.8	88.7	7.5
GC2	0.1	4.3	83.9	11.7
GC3	0.5	3.4	69.1	27.0
GR1	0.9	22.3	43.7	33.1
GR2	0.0	21.6	24.2	54.2
GR3	0.0	41.1	31.1	27.8
GR4	0.0	3.3	79.5	17.2
GV1	2.2	15.7	44.1	38.0
GV2	1.9	18.5	65.8	13.8
GV3	0.4	8.6	77.9	13.1
HR1	0.0	3.7	89.7	6.6
HR2	0.0	2.6	91.9	5.5
HR3	0.0	3.5	89.8	6.7
LD1	0.1	2.4	82.3	15.2
LD2	1.1	18.7	63.1	17.1
LD3	2.9	74.1	15.2	7.8
LEA	0.0	3.4	87.5	9.1
LLK	0.1	7.4	13.4	79.1
LV1	1.6	5.6	62.6	30.2
LV2	17.3	22.3	39.1	21.3
LV3	1.5	19.9	38.4	40.2
LV4	1.9	17.7	39.9	40.5
LV5	2.5	14.9	60.3	22.3
MA1	1.9	34.6	47.9	15.6
MA2	0.0	68.7	27.0	4.3
MG1	0.0	4.6	88.8	6.6
ML1	0.0	14.0	40.1	45.9
ML2	0.2	77.3	13.4	9.1
ML3	0.0	82.2	16.3	1.5
MOY	0.2	44.5	10.0	45.3
NV1	0.0	4.8	89.2	6.0
PA1	0.3	16.2	72.8	10.7
PA2	0.0	3.0	83.2	13.8
PA3	0.0	3.4	77.0	19.6
PA4	0.0	4.9	87.2	7.9
PA5	0.0	5.0	87.0	8.0
PA6	0.0	4.9	87.2	7.9
PA7	0.0	4.9	87.2	7.9

Soil Hydrologic Characteristics

BASIN	% A	% B	% C	% D
PAT	3.1	20.1	51.0	25.8
PE1b	0.0	2.7	69.0	28.3
PE2	0.1	3.4	50.2	46.3
PE3	0.0	5.0	72.1	22.9
PE4	0.0	3.2	60.8	36.0
PE5	0.0	12.0	36.2	51.8
PE6	0.0	5.0	87.9	7.1
PE7	0.1	2.3	18.6	79.0
PH1	0.0	4.3	50.2	45.5
PW1	0.0	2.0	71.1	26.9
PW2	0.0	3.6	86.7	9.7
PW3	0.2	21.6	52.2	26.0
PW4	0.5	37.2	43.6	18.7
PW5	0.2	37.7	48.7	13.4
PW6	0.6	41.8	39.6	18.0
PW7	0.0	20.4	50.0	29.6
RH1	3.1	9.0	19.4	68.5
RR1	3.9	35.5	23.9	36.7
RRI	0.0	0.9	92.7	6.4
RSD	0.0	1.6	92.0	6.4
SE1	0.0	4.2	87.1	8.7
SE2	0.0	2.6	90.7	6.7
SE3	0.0	2.4	90.9	6.7
SE4	0.0	4.7	85.0	10.3
SGP	5.0	50.3	35.0	9.7
SI1	0.0	4.0	89.0	7.0
SI2	0.0	4.0	89.0	7.0
SK1	0.2	11.7	61.4	26.7
SK2	0.1	20.5	31.6	47.8
SK3	1.5	22.1	49.6	26.8
SK4	1.3	24.7	46.9	27.1
SLE	0.0	4.8	87.3	7.9
SLK	0.1	5.5	2.6	91.8
SL1	0.0	5.0	87.0	8.0
SL2	0.0	5.0	87.0	8.0
SL3a	0.2	4.5	79.1	16.2
SRS	0.0	4.0	89.0	7.0
SS1a	0.0	5.0	87.0	8.0
SS2	0.0	5.2	86.8	8.0
SS3	0.0	4.7	37.9	57.4
ST1	0.0	1.5	92.1	6.4
ST2	0.4	7.3	84.2	8.1
ST3	0.1	51.5	43.5	4.9
SV3	0.3	9.1	72.7	17.9
SV4	0.1	17.3	10.1	72.5
SV5	0.0	2.6	77.3	20.1

Soil Hydrologic Characteristics

BASIN	% A	% B	% C	% D
SV6	0.0	9.3	61.1	29.6
SV7	0.0	1.4	92.7	5.9
TP1	0.0	4.3	89.6	6.1
TP2	4.4	15.2	50.6	29.8
UPR	0.3	1.2	29.6	68.9

US BUREAU OF RECLAMATION METHOD

BASIN	K_n	L (ft)	L_c (ft)	EL_{hi}	EL_{lo}	S (ft/mi)	T_{LAG}
AW1	0.09	1855	845	5540	5314.6	642	0.26
AW2	0.09	9855	4715	6420	5285.8	608	0.82
AW3		2700		5323	5165.9	307	0.00
BER	0.085	8800	5000	5300	4930	222	0.90
ESB		4600		5300	5091	240	0.00
FR1	0.09	34620	16515	6512	5095	216	2.22
FR2	0.09	26580	11230	6925	5095	364	1.64
GC1		3460		5136	5022	174	0.00
GC2		6425		5162	4964.9	162	0.00
GC3		4100		5139	4968	220	0.00
GR1	0.09	3750	1100	5920	4978	1326	0.32
GR2	0.09	3340	1680	5640	4990	1028	0.37
GR3	0.09	3025	1435	5540	5010	925	0.35
GR4	0.09	8390	5335	5700	5032	420	0.86
GV1	0.09	11410	5750	5265	5060	95	1.24
GV2		9015		5390	5012	221	0.00
GV3		7420		5153	5012	100	0.00
HR1		3300		5250	5130	192	0.00
HR2		1490		5165	5100	230	0.00
HR3		2960		5216	5112	186	0.00
LD1		7520		5190	4970	154	0.00
LD2		5030		5360	4981	398	0.00
LD3		11230		4997	4915	39	0.00
LEA		5615		5040	4974.6	61	0.00
LLK		5510		5085	4915	163	0.00
LV1		8990		5600	4940	388	0.00
LV2	0.09	22155	9455	5720	4916	192	1.63
LV3	0.09	8665	5100	5260	4915	210	0.96
LV4	0.09	19505	5985	5480	4967	139	1.41
LV5	0.09	18645	9210	5640	4990	184	1.53
MA1		7685		5047	4941.3	73	0.00
MA2		2065		5046	4988	148	0.00
MG1		4460		5270	5100	201	0.00
ML1	0.09	10010	5180	5130	4959	90	1.16
ML2		7300		5010	4915	69	0.00
ML3		4515		4990	4943	55	0.00
MOY	0.07	12210	6715	5042	4966	33	1.24
NV1		2310		5270	5165	240	0.00
PA1	0.09	11900	4945	6360	5172	527	0.90
PA2	0.09	7790	3215	5960	5193	520	0.68
PA3	0.09	5795	2420	5640	5214	388	0.59
PA4		1410		5326	5228	367	0.00
PA5		490		5241	5212	312	0.00
PA6		1010		5244	5191.6	274	0.00
PA7		2675		5242	5146	189	0.00

US BUREAU OF RECLAMATION METHOD

BASIN	K_n	L (ft)	L_c (ft)	EL_{hi}	EL_o	S (ft/mi)	T_{LAG}
PAT	0.085	12035	5680	5640	4917	317	0.98
PE1a	0.09	1870	805	5680	5290	1101	0.24
PE1b	0.09	2665	1090	5850	5295.7	1098	0.30
PE2	0.09	6815	3475	6380	5292.7	842	0.62
PE3	0.09	2655	1045	5800	5281.8	1031	0.30
PE4	0.09	12950	5025	6462	5085	561	0.93
PE5	0.09	22110	12080	7250	5229.6	482	1.51
PE6	0.09	2935	1025	5440	5222.3	392	0.36
PE7	0.09	13600	6605	6330	5217.4	432	1.08
PH1	0.09	2830	1230	5480	5192.1	537	0.35
PW1	0.09	7400	3000	6650	5312	955	0.59
PW2	0.09	5235	2300	6269	5220	1058	0.48
PW3	0.09	12670	6830	7480	5084	998	0.92
PW4	0.09	13010	6130	8135	5067	1245	0.87
PW5	0.09	16300	11625	8266	5094	1027	1.19
PW6	0.09	17660	8360	8250	5105	940	1.11
PW7	0.09	18985	11595	8170	5316.5	794	1.31
RH1	0.09	7625	2855	5580	5114	323	0.71
RR1	0.09	25725	9905	6423	5128	266	1.64
RRI		1610		5130	5086.9	141	0.00
RSD		2680		5194	5088	209	0.00
SE1		3380		5130	5059	111	0.00
SE2		2160		5115	5064	125	0.00
SE3		1940		5080	5028	142	0.00
SE4		1690		5030	4996	106	0.00
SGP		3620		4982	4928	79	0.00
SI1		1855		5170	5107	179	0.00
SI2		1055		5162	5104	290	0.00
SK1	0.09	10655	4110	5720	4970	372	0.87
SK2	0.09	18095	7060	5700	4960	216	1.35
SK3	0.09	22765	8945	5896	4980	212	1.58
SK4	0.09	21940	6045	6030	5017	244	1.34
SLE		3985		5198	5100	130	0.00
SLK		4100		5000	4960	52	0.00
SL1		1255		5236	5133	433	0.00
SL2		2625		5236	5112	249	0.00
SL3a		3320		5162	5003.5	252	0.00
SL3b		3885		5129	4978	205	0.00
SRS		3215		5223	5112.7	181	0.00
SS1a		2035		5224	5106	306	0.00
SS1b		700		5184	5122	468	0.00
SS2		3980		5168	5044	165	0.00
SS3		5075		5060	4978	85	0.00
ST1		4200		5164	5076	111	0.00
ST2		6120		5082	4973.8	93	0.00
ST3		8010		5048	4982	44	0.00

US BUREAU OF RECLAMATION METHOD

BASIN	K_n	L (ft)	L_c (ft)	EL_{hi}	EL_{lo}	S (ft/mi)	T_{LAG}
SV3							
SV4							
SV5							
SV6							
SV7							
TP1		2410		5218	5134	184	0.00
TP2		3100		5237	5126	189	0.00
UPR		2725		4984	4970	27	0.00
AAA	USBR lagtime						
AAA	See T_cLag						

Time of Concentration Lag Equation

BASIN	CN	R	L _i (ft)	H _i	Lo _i	S _i (%)	T _i	L ₁ (ft)	H _{i1}	Lo ₁	S ₁ (%)	V ₁ (f/s)	T ₁
AW1													
AW2													
AW3	77	0.632	500	5323	5288	7.0	9.92	7	675	5288	5234	8.0	5.75
BER	72	0.562	500	5300	5265	7.0	11.40	7	2190	5265	5025	11.0	6.729
ESB	72	0.564	500	5300	5240	12.0	9.50	7	1480	5240	5190	3.4	3.736
FR1													
FR2													
GC1	78	0.645	500	5108	5092	3.2	12.48	7	1310	5092	5058	2.6	3.275
GC2	78	0.641	500	5162	5132	6.0	10.23	7	4505	5132	5000	2.9	3.48
GC3	75	0.599	500	5139	5120	3.8	12.99	7	3600	5120	4968	4.2	4.177
GR1													
GR2													
GR3													
GR4	73	0.579	500	5700	5667	6.6	11.25	7	2935	5667	5300	12.5	7.188
GV1													
GV2	72	0.563	500	5390	5340	10.0	10.11	7	800	5340	5200	17.5	8.504
GV3	73	0.576	405	5153	5134	4.7	11.39	7	1665	5134	5102	1.9	2.818
HR1	75	0.604	500	5250	5230	4.0	12.64	7	2800	5230	5130	3.6	3.842
HR2	88	0.77	500	5165	5140	5.0	7.80	7	990	5140	5100	4.0	4.086
HR3	84	0.721	500	5216	5186	6.0	8.44	7	2460	5186	5112	3.0	3.526
LD1	74	0.587	500	5190	5160	6.0	11.44	7	4120	5160	5000	3.9	4.006
LD2	70	0.537	500	5360	5230	26.0	7.74	7	1190	5230	5011	18.4	8.721
LD3	67	0.496	500	4997	4991	1.2	22.90	7	10730	4991	4915	0.7	1.711
LEA	90	0.801	500	5040	5032	1.6	10.32	7	3915	5032	4981	1.3	2.32
LLK	85	0.729	500	5085	5060	5.0	8.77	7	5010	5060	4915	2.9	3.458
LV1	73	0.567	500	5600	5512	17.6	8.33	7	2470	5512	5240	11.0	6.746
LV2													
LV3													
LV4													
LV5													
MA1	75	0.593	500	5047	5033	2.8	14.52	7	2615	5033	4974	2.3	3.053

BASIN	L ₂ (ft)	Hi ₂	Lo ₂	S ₂ (%)	V ₂ (f/s)	T ₂	L ₃ (ft)	Hi ₃	Lo ₃	S ₃ (%)	V ₃ (f/s)	T ₃	T _c	T _{lag}
AW1													0.00	0.00
AW2													0.00	0.00
AW3	7	1530	5234	5166	4.5	4.289							17.82	0.18
BER	7	1610	5025	4964	3.789	3.957	4500	4964	4930	0.756	1.767	42.45	66.05	0.66
ESB	7	2620	5190	5091	3.779	3.952							27.15	0.27
FR1													0.00	0.00
FR2													0.00	0.00
GC1	7	2510	5058	5022	1.434	2.435							36.33	0.36
GC2	7	1270	4973	4965	0.638	1.623							44.85	0.45
GC3													27.35	0.27
GR1													0.00	0.00
GR2													0.00	0.00
GR3													0.00	0.00
GR4	7	4945	5300	5032	5.42	4.732							35.47	0.35
GV1													0.00	0.00
GV2	7	4575	5200	5060	3.06	3.556	3140	5060	5012	1.529	2.513	20.82	53.94	0.54
GV3	7	5350	5102	5012	1.682	2.637							55.06	0.55
HR1													24.78	0.25
HR2													11.84	0.12
HR3													20.06	0.20
LD1	7	2900	5000	4970	1.034	2.068							51.95	0.52
LD2	7	3340	5011	4981	0.898	1.927							38.91	0.39
LD3													127.43	1.27
LEA	7	1200	4981	4975	0.533	1.485							51.91	0.52
LLK													32.92	0.33
LV1	7	3640	5240	4960	7.692	5.638	2375	4960	4940	0.842	1.865	21.22	46.41	0.46
LV2													0.00	0.00
LV3													0.00	0.00
LV4													0.00	0.00
LV5													0.00	0.00
MA1	7	745	4974	4966	1.074	2.107	3825	4966	4941	0.646	1.634	39.03	73.71	0.74

Time of Concentration Lag Equation

BASIN	CN	R	L ₁ (ft)	H _i	Lo _i	S _i (%)	T _i	L ₁ (ft)	H _i	Lo ₁	S ₁ (%)	V ₁ (f/s)	T ₁
MA2	68	0.501	500	5046	5028	3.6	15.80	7	1565	4988	2.6	3.25	8.03
MG1	82	0.69	500	5270	5230	8.0	8.31	7	3960	5100	3.3	3.683	17.92
ML1	75	0.593	500	5130	5110	4.0	12.90	7	1160	5060	4.3	4.22	4.58
ML2	65	0.467	500	5010	4958	10.4	11.77	7	6800	4958	0.6	1.617	70.11
ML3	64	0.459	500	4990	4978	2.4	19.33	7	2280	4978	1.1	2.129	17.85
<i>MOY</i>													
NV1	85	0.732	500	5270	5220	10.0	6.93	7	1810	5220	3.0	3.544	8.51
PA1	67	0.497	500	6360	6280	16.0	9.72	7	11400	6280	9.7	6.337	29.98
PA2	69	0.519	500	5960	5820	28.0	7.78	7	7270	5820	8.6	5.97	20.30
PA3	69	0.526	500	5640	5585	11.0	10.47	7	4430	5585	7.7	5.64	13.09
PA4	73	0.575	500	5326	5290	7.2	11.02	7	910	5290	6.8	5.306	2.86
PA5	71	0.545	285	5241	5221	7.0	8.87	7	205	5221	4.4	4.259	0.80
PA6	71	0.545	350	5244	5217	7.7	9.53	7	660	5217	3.8	3.988	2.76
PA7	74	0.58	500	5242	5232	2.0	16.64	7	1470	5232	2.7	3.353	7.31
PAT	71	0.547	500	5640	5530	22.0	8.02	7	10350	5530	5.9	4.931	34.98
PE1a													
PE1b													
PE2													
PE3													
PE4													
PE5													
PE6	71	0.545	500	5440	5405	7.0	11.76	7	2435	5405	7.5	5.568	7.29
PE7	74	0.582	500	6330	6220	22.0	7.52	7	4925	6220	10.6	6.605	12.43
PH1	74	0.585	500	5480	5340	28.0	6.90	7	2330	5340	6.3	5.122	7.58
PW1													
PW2													
PW3													
PW4													
PW5													
PW6													
PW7													
RH1	80	0.669	500	5580	5440	28.0	5.78	7	1335	5440	9.0	6.095	3.65

BASIN	L ₂ (ft)	Hi ₂	Lo ₂	S ₂ (%)	V ₂ (f/s)	T ₂	L ₃ (ft)	Hi ₃	Lo ₃	S ₃ (%)	V ₃ (f/s)	T ₃	T _c	T _{lag}
MA2													23.82	0.24
MG1													26.23	0.26
ML1	7	3750	5060	5000	1.6	2.571	24.31	7	4600	5000	4959	0.891	1.919	39.95
ML2													81.74	0.82
ML3	7	1735	4953	4943	0.576	1.543	18.74						81.88	0.82
MOY													55.92	0.56
NV1													0.00	0.00
PA1													15.44	0.15
PA2													39.70	0.40
PA3	7	865	5244	5214	3.5	3.786	3.81						28.08	0.28
PA4													27.37	0.27
PA5													13.88	0.14
PA6													9.68	0.10
PA7	7	595	5170	5146	4.0	4.083	2.43						12.29	0.12
PAT	7	1160	4921	4917	0.3	1.194	16.20						26.38	0.26
PE1a													59.20	0.59
PE1b													0.00	0.00
PE2													0.00	0.00
PE3													0.00	0.00
PE4													0.00	0.00
PE5													0.00	0.00
PE6													19.05	0.19
PE7	7	3485	5700	5420	8.0	5.762	10.08	7	4685	5420	5217	4.3	4.227	18.47
PH1													48.50	0.49
PW1													14.48	0.14
PW2													0.00	0.00
PW3													0.00	0.00
PW4													0.00	0.00
PW5													0.00	0.00
PW6													0.00	0.00
PW7													0.00	0.00
RH1	7	3205	5320	5180	4.4	4.249	12.57	7	2585	5180	5114	2.6	3.248	13.26
													35.27	0.35

Time of Concentration Lag Equation

BASIN	CN	R	L _i (ft)	H _i	Lo _i	S _i (%)	T _i	L ₁ (ft)	H _{i1}	Lo ₁	S ₁ (%)	V ₁ (f/s)	T ₁	
RR1														
RR1	71	0.55	300	5130	5113	5.7	9.68	7	1310	5113	5087	2.0	2.869	7.61
RSD	86	0.745	500	5194	5169	5.0	8.40	7	2180	5169	5088	3.7	3.918	9.27
SE1	74	0.585	500	5130	5116	2.8	14.74	7	2880	5116	5059	2.0	2.86	16.78
SE2	87	0.756	500	5115	5100	3.0	9.64	7	1655	5100	5064	2.2	2.998	9.20
SE3	90	0.793	125	5080	5076	3.2	4.21	7	2820	5076	5028	1.7	2.652	17.72
SE4	85	0.735	500	5030	5019	2.2	11.34	7	1190	5019	4996	1.9	2.826	7.02
SGP	84	0.715	500	4955	4940	3.0	10.79	7	3545	4940	4915	0.7	1.707	34.61
SJ1	74	0.58	500	5170	5142	5.6	11.85	7	1355	5142	5107	2.6	3.267	6.91
SJ2	74	0.587	500	5162	5129	6.6	11.08	7	555	5129	5104	4.5	4.314	2.14
SK1														
SK2														
SK3														
SK4														
SLE	82	0.695	500	5198	5168	6.0	9.02	7	370	5168	5150	4.9	4.484	1.38
SLK	89	0.782	150	5000	4993	4.7	4.21	7	3205	4993	4960	1.0	2.063	25.90
SL1	79	0.646	500	5236	5159	15.4	7.41	7	755	5146	5133	1.7	2.667	4.72
SL2	82	0.696	500	5236	5230	1.2	15.30	7	600	5230	5216	2.3	3.105	3.22
SL3a	81	0.677	500	5130	5120	2.0	13.56	7	2400	5120	5032	3.7	3.893	10.28
SL3b	85	0.728	90	5129	5128	1.1	6.13	7	2915	5128	5006	4.2	4.159	11.68
SRS	74	0.58	500	5223	5198	5.0	12.30	7	390	5198	5164	8.7	6.002	1.08
SS1a	71	0.545	500	5224	5207	3.4	14.93	7	395	5207	5194	3.3	3.688	1.79
SS1b	85	0.733	235	5184	5133	21.7	3.66	7	465	5133	5122	2.4	3.127	2.48
SS2	71	0.545	500	5168	5136	6.4	12.12	7	535	5136	5104	6.0	4.972	1.79
SS3	88	0.777	170	5060	5050	5.9	4.23	7	2765	5050	4998	1.9	2.788	16.53
ST1	87	0.761	500	5164	5155	1.8	11.24	7	2345	5155	5102	2.3	3.056	12.79
ST2	87	0.757	200	5056	5052	2.0	6.94	7	6125	5052	4974	1.3	2.297	44.44
ST3	86	0.745	500	5048	5043	1.0	14.28	7	7505	5043	4982	0.8	1.833	68.25
SV3														
SV4														
SV5														
SV6														

BASIN	L ₂ (ft)	H _{i2}	LO ₂	S ₂ (%)	V ₂ (f/s)	T ₂	L ₃ (ft)	H _{i3}	LO ₃	S ₃ (%)	V ₃ (f/s)	T ₃	T _c	T _{lag}
RR1													0.00	0.00
RR1													17.29	0.17
RSD													17.67	0.18
SE1													31.53	0.32
SE2													18.84	0.19
SE3													21.93	0.22
SE4													18.35	0.18
SGP													45.40	0.45
SI1													18.76	0.19
SI2													13.23	0.13
SK1													0.00	0.00
SK2													0.00	0.00
SK3													0.00	0.00
SK4													0.00	0.00
SLE	7	625	5150	5134	2.6	3.253	3.20	7	2485	5134	5100	1.4	2.378	17.42
SLK													30.11	0.30
SL1													12.13	0.12
SL2	7	240	5202	5137	27.1	10.58	0.38	7	1285	5134	5112	1.7	2.66	8.05
SL3a													23.83	0.24
SL3b	7	875	5000	4978	2.5	3.223	4.52						22.34	0.22
SRS	7	2325	5164	5113	2.2	3.02	12.83						26.22	0.26
SS1a	7	1000	5156	5106	5.0	4.546	3.67						20.38	0.20
SS1b													6.14	0.06
SS2	7	2945	5104	5044	2.0	2.902	16.92						30.83	0.31
SS3	7	2140	4998	4978	0.9	1.965	18.15						38.91	0.39
ST1	7	1350	5102	5076	1.9	2.821	7.98						32.00	0.32
ST2													51.39	0.51
ST3													82.53	0.83
SV3													0.59	0.59
SV4													0.22	0.22
SV5													0.04	0.04
SV6													0.47	0.47

Time of Concentration Lag Equation

BASIN	CN	R	L _i (ft)	H _i	Lo _i	S _i (%)	T _i	L ₁ (ft)	H _{i1}	Lo ₁	S ₁ (%)	V ₁ (f/s)	T ₁
SV7													
TP1	82	0.694	500	5218	5166	10.4	7.55	1910	5166	5134	1.7	2.631	12.10
TP2	83	0.704	500	5237	5220	3.4	10.64	2600	5220	5126	3.6	3.865	11.21
UPR	91	0.813	500	4984	4977	1.4	10.35	2225	4977	4970	0.3	1.14	32.52

AAA T_cLag time

AAA See USBRLag

0.20 From Sky Vista Drainageway Master Plan

BASIN	L ₂ (ft)	H _{i2}	L _{O2}	S ₂ (%)	V ₂ (f/s)	T ₂	L ₃ (ft)	H _{i3}	L _{O3}	S ₃ (%)	V ₃ (f/s)	T ₃	T _c	T _{lag}
SV7														0.29
TP1													19.65	0.20
TP2													21.85	0.22
UPR													42.88	0.43

AAA T_cLag time
 AAA See USBRLag
 0.20 From Sky Vista Drainageway Master Plan

Muskingum-Cunge routing parameters

Basin	Route	from	Elevation	to	Elevation	Length	Slope	n	Shape	WD	Z
AW1	AW1	AW1 split	5321	AW2 along rail	5318	515	0.58%	0.035	TRAP	12.0	3.0
AW3	AWA	PA4 split	5235	18" CMP	5218	575	2.96%	0.025	TRAP	3.0	10.0
	AWB	18" CMP split	5221	CP AW3	5166	1055	5.26%	0.025	TRAP	3.0	10.0
	AWC	CP AW1 @ 24" outlet	5314	30" CMP inlet	5218	1180	8.12%	0.035	TRAP	3.0	5.0
	AWD	30" CMP inlet	5218	CP AW3	5166	705	7.39%	0.024	CIRC	2.5	n/a
	AWE	CP AW2 @ 36" outlet	5274	36" CMP inlet	5231	700	6.13%	0.035	TRAP	4.0	2.5
	AWF	36" inlet overflow	5239	CP AW3	5166	1410	5.18%	0.020	TRAP	10.0	50.0
	AWG	36" CMP inlet	5231	SI1 basin	5156	1220	6.14%	0.024	CIRC	3.0	n/a
ESB	SBA	CP PE1b @ 24" outlet	5291	RR 36" CMP	5172	1320	8.99%	0.035	TRAP	2.0	2.0
	SBB	RR 36" CMP	5170	CP ESB @ 36" inlet	5091	2400	3.29%	0.040	TRAP	4.0	3.0
	SBC	CP PE2 @ 24" outlet	5291	RR 24" CMP	5210	990	8.23%	0.035	TRAP	2.0	2.0
	SBD	RR 24" CMP	5208	CP ESB @ 36" inlet	5091	3000	3.90%	0.040	TRAP	4.0	3.0
	SBE	CP PE3 @ 24" outlet	5280	RR 36" CMP	5220	900	6.65%	0.035	TRAP	2.0	2.0
	SBF	RR 36" CMP	5218	CP ESB @ 36" inlet	5091	3400	3.74%	0.040	TRAP	5.0	3.0
	SBG	CP PE1a @ 24" outlet	5304	RR 36" CMP	5172	1300	10.16%	0.035	TRAP	2.0	2.0
	SBH	RR 36" CMP	5170	CP ESB @ 36" inlet	5091	2400	3.29%	0.040	TRAP	5.0	3.0
GC1	C1A	SLE 30" RCP outlet	5120	CP GC1	5022	3365	2.91%	0.035	TRAP	4.0	3.0
	C1B	CP SLE	5100	CP GC1	5022	4205	1.85%	0.035	TRAP	10.0	1.0
	C1C	CP RSD @ 24" outlet	5084	CP GC1	5022	3835	1.62%	0.035	TRAP	10.0	1.0
GC2	C2A	CP SL1 @ 36" outlet	5138	GC2 @ top channel	5000	4860	2.84%	0.035	TRAP	4.0	3.0
	C2B	GC2 @ toe channel	4973	CP GC2	4964.9	1270	0.64%	0.035	TRAP	20.0	3.0
	C2C	CP GC1	5022	Top BOR structure	5010	1400	0.86%	0.035	TRAP	12.0	2.0
	C2D	Bottom BOR structure	4976.6	CP GC2	4964.9	1740	0.67%	0.035	TRAP	20.0	3.0
GC3	GC3	CP SL3b	4978	CP GC3	4968	605	1.65%	0.035	TRAP	5.0	3.0
GR3	R3A	CP GR4	5032	CP GR3 @ RCB inlet	5010	1670	1.32%	0.040	TRAP	10.0	3.0
	R3B	PW4 42" outlet	5050	CP GR3 @ RCB inlet	5010	1975	2.03%	0.040	TRAP	6.0	2.0
	R3C	CP RRI overflow	5087	Red Rock & Moya	5004	2350	3.53%	0.016	TRAP	1.5	25.0
	R3D	CP SS2	5044	CP GR3	5010	1620	2.10%	0.022	TRAP	10.0	2.0

Muskingum-Cunge routing parameters

Basin	Route	from	Elevation	to	Elevation	Length	Slope	n	Shape	WD	Z
GR4	R4A	PW1 48" RCP outlet	5294	CP GR4	5032	5330	4.92%	0.035	TRAP	7.0	2.0
	R4B	PW2 24" RCP outlet	5262	CP GR4	5032	4660	4.94%	0.034	TRAP	9.0	2.0
	R4C	PW2 42" RCP outlet	5170	CP GR4	5032	3020	4.57%	0.033	TRAP	12.0	1.5
	R4D	PW3 48" RCP outlet	5056	CP GR4	5032	760	3.16%	0.040	TRAP	10.0	2.0
	R4E	PW4 48" RCP outlet	5046	CP GR4	5032	560	2.50%	0.040	TRAP	10.0	2.0
GV1	GV1	CP RH1 @ 54" inlet	5114	CP GV1	5060	4925	1.10%	0.035	TRAP	6.0	3.0
GV2	GV2	CP GV1	5060	CP GV3	5012	4335	1.11%	0.035	TRAP	7.0	3.0
GV3	G3A	72" CMP inlet	5093	72" CMP outlet	5050	1630	2.64%	0.024	CIRC	6.0	n/a
	G3B	72" CMP outlet	5050	CP GV3	5012	1630	2.33%	0.035	TRAP	8.0	2.0
	G3C	CP HR3 @ 36" outlet	5097	CP GV3	5012	3690	2.30%	0.035	TRAP	3.0	3.0
	G3D	CP MG1 @ 6'x6' outlet	5095	CP GV3	5012	4620	1.80%	0.035	TRAP	6.0	2.0
	G3E	CP TP1 @ 10'x4' outlet	5124	Beckwourth Dr	5102	1400	1.57%	0.013	TRAP	10.0	3.0
	G3F	Beckwourth Dr	5102	CP GV3	5012	5350	1.68%	0.035	TRAP	10.0	3.0
HR1	HR1	CP PE5 33" outlet	5225	CP HR1 @ 54" inlet	5130	2780	3.43%	0.035	TRAP	4.0	3.0
HR2	H2A	CP HR1 @ 54" inlet	5130	54" CMP outlet	5114	800	2.00%	0.024	CIRC	4.5	n/a
	H2B	54" CMP outlet	5114	CP HR2 @ 6'x6' inlet	5100	375	3.73%	0.035	TRAP	6.0	3.0
LD2	LD2	CP GV3	5012	CP LD2 @ 10'x4' inlet	4981	3460	0.90%	0.035	TRAP	12.0	3.0
LD3	D3A	CP LD2 @ 10'x4' outlet	4981	CP LLK	4915	10030	0.66%	0.035	TRAP	12.0	1.0
	D3B	CP LD1	4970	CP LD3	4915	8600	0.64%	0.035	TRAP	3.0	3.0
LLK	LLK	CP LV1	4940	CP LLK	4915	1400	1.79%	0.035	TRAP	3.0	2.0
LV2	LV2	CP LV4	4967	CP LV2	4916	8360	0.61%	0.040	TRAP	10.0	50.0
LV3	LV3	CP LV5	4990	CP LV3	4915	5910	1.27%	0.040	TRAP	10.0	50.0
MA1	A1A	CP SE4 @ 36" inlet	4990.2	Lear Blvd SDMH C-1	4965.9	2665	0.91%	0.013	CIRC	3.0	n/a
	A1B	Lear Blvd SDMH C-1	4965.9	SD trunkline outlet	4963.4	1260	0.20%	0.024	CIRC	5.5	n/a
	A1C	SD trunkline outlet	4963.4	CP MA1 @ box inlet	4941.3	3875	0.57%	0.035	TRAP	6.0	2.0
	A1D	Kemite Ct SDMH	4970	Lear Blvd SDMH C-1	4965.9	620	0.66%	0.013	CIRC	4.0	n/a
MG1	MGA	CP PE6 @ 24" outlet	5217	Fill CMP outlet	5160	1600	3.59%	0.024	CIRC	2.0	n/a
	MGB	Fill CMP outlet	5160	CP MG1 @ 6'x6' inlet	5100	2260	2.65%	0.035	TRAP	4.0	3.0
ML1	ML1	CP PE4 @ 30" outlet	5076	CP ML1	4959	9070	1.29%	0.035	TRAP	10.0	3.0
ML2	L2A	FL across frm CP ML1	4960	CP MA1 @ box outlet	4943.2	2775	0.61%	0.035	TRAP	10.0	2.0
	L2B	FL across frm CP ML1	4960	CP LLK	4915	5555	0.81%	0.040	TRAP	10.0	50.0
ML3	ML3	CP ML1	4959	CP MA1 @ box inlet	4943	2770	0.58%	0.035	TRAP	10.0	2.0

Muskingum-Cunge routing parameters

Basin	Route	from	Elevation	to	Elevation	Length	Slope	n	Shape	WD	Z
MOY	MO1	Stead & Lear split	4971.7	CP LEA	4971.1	770	0.08%	0.045	TRAP	40.0	3.0
	MO2	CP LEA	4971.1	Moya deten basin	4968	1630	0.19%	0.045	TRAP	15.0	3.0
	MO3	CP ST3 at road	4986	Top of channel	4972	960	1.46%	0.050	TRAP	10.0	50.0
	MO4	Channel	4968.5	Moya deten basin	4968	525	0.10%	0.045	TRAP	16.0	3.0
	MO5	CP LEA @ MH#5834	4969.6	CP ST2 @ MH#5344	4966.1	1125	0.31%	0.013	CIRC	3.0	n/a
NV1	NV1	CP PE7 @ 24" outlet	5216	CP NV1 @ 36" inlet	5165	1760	2.90%	0.024	CIRC	3.0	n/a
PA4	PA4	CP PW7 @ 48" outlet	5298	CP PA4 @ 24" inlets	5228	1160	6.03%	0.035	TRAP	5.0	2.5
PA6	PA6	CP PA4 @ 24" outlets	5224	CP PA6 @ 36" inlet	5191.6	595	5.45%	0.035	TRAP	5.0	2.5
PA7	A7A	PA5 48" RCP outlet	5198	CP PA7	5146	1235	4.21%	0.013	CIRC	1.8	n/a
	A7B	PA6 36" RCP outlet	5174	CP PA7	5146	615	4.55%	0.035	TRAP	5.0	2.5
PAT	PAT	CP BER	4930	CP PAT	4917	2840	0.46%	0.035	TRAP	12.0	2.0
PE1	1WS	PE1 NW 24" CMP	5309	CP PE1 along rail	5305	460	0.87%	0.035	TRAP	10.0	3.0
	E1S	PE1 split	5302	CP PE2 along rail	5298	560	0.71%	0.035	TRAP	4.0	3.0
PE3	PE3	PE2 split	5298.5	CP PE3 @ 24" inlet	5281.8	1120	1.49%	0.035	TRAP	10.0	3.0
PE4	PE4	PE3 split	5288	CP PE4 @ 36" inlet	5085	4450	4.56%	0.035	TRAP	3.0	3.0
PE6	6SA	PE5 split	5251	PE6 along rail	5244.5	910	0.71%	0.035	TRAP	15.0	3.0
	6SB	PE6 along rail	5244.5	CP PE6 @ 24" inlet	5222.3	400	5.55%	0.035	TRAP	3.0	1.0
PE7	7SA	PE6 split	5240.5	PE7 along rail	5237.5	500	0.60%	0.035	TRAP	12.0	3.0
	7SB	PE7 along rail	5237.5	CP PE7 @ 24" inlet	5217.4	350	5.74%	0.035	TRAP	3.0	3.0
PH1	HSA	PE7 split	5231	PH1 along rail	5220	650	1.69%	0.035	TRAP	16.0	3.0
HSB	HSB	PH1 along rail	5220	CP PH1 @ 24" inlet	5192.1	570	4.89%	0.035	TRAP	3.0	3.0
PW2	PW2	PW1 along hwy	n/a	PW2 along hwy	n/a	1150	6.00%	0.025	TRAP	1.0	4.5
PW3	PW3	PW2 along hwy	n/a	PW3 @ hwy DI	n/a	1750	6.00%	0.025	TRAP	1.0	4.5
PW4	PW4	PW5 RR&NV split	5094	CP PW4 @ 48" inlet	5067	1300	2.08%	0.040	TRAP	2.0	3.0
RH1	RHA	PH1 split	5208.5	24" CMP at rail	5200	760	1.12%	0.035	TRAP	11.0	3.0
RHB	RHB	24" CMP at rail	5320	CP RH1 @ 54" inlet	5114	5790	3.56%	0.035	TRAP	3.0	3.0
RRI	RRI	CP PW6 @ 60" inlet	5112	CP RRI @ 24" inlet	5087	1350	1.86%	0.025	TRAP	1.0	4.5
RSD	SDA	CP PA7 @ 48" inlet	5146	54" RCP along rail	5104	1210	3.47%	0.013	CIRC	4.5	n/a
	SDB	54" RCP along rail	5104	CP RSD	5088	785	2.04%	0.035	TRAP	6.0	3.0
	SDC	CP SRS	5113	CP RSD	5088	1260	1.96%	0.035	TRAP	6.0	3.0
	SDD	24" CMP outlet @ rail	5099.8	CP RSD	5088	680	1.74%	0.035	TRAP	6.0	3.0

Muskingum-Cunge routing paramaters

Basin	Route	from	Elevation	to	Elevation	Length	Slope	n	Shape	WD	Z
SE1	SE1	CP ESB @ 36" outlet	5084	CP SE1	5059	1470	1.70%	0.035	TRAP	4.0	3.0
SE2	E2A	SDMH #5500	5102	24" RCP outlet	5078	1170	2.01%	0.013	CIRC	2.0	n/a
	E2B	24" RCP outlet	5078	CP SE2	5064	600	2.33%	0.035	TRAP	2.0	3.0
SGP	GP1	CP MA1 @ box outlet	4940.8	CP LLK	4915	3605	0.72%	0.030	TRAP	8.0	1.0
	GP2	CP MA2 @ 36" outlet	4982	Flowline, toe of slope	4930.5	1060	4.86%	0.035	TRAP	3.0	4.0
	GP3	Flowline, toe of slope	4930.5	Detention pond	4921	2555	0.37%	0.025	TRAP	5.0	3.0
SI1	I1A	30" & 36" CMP outlets	5156.4	36" CMP outlet, NB	5118	1385	2.77%	0.035	TRAP	12.0	1.5
	I1B	36" CMP inlet, SB	5134.4	CP SI1	5107	1285	2.13%	0.030	TRAP	3.0	2.0
SI2	S12	36" CMP outlet, NB	5118	48" inlet w/bar screen	5104	695	2.01%	0.035	TRAP	12.0	1.5
SK2	K2A	CP SK3	4980	Osage wetland area	4964	6525	0.25%	0.040	TRAP	3.0	5.0
	K2B	CP MOY	4966	CP SLK	4960	4020	0.15%	0.035	TRAP	50.0	3.0
SK3	SK3	CP SK4	5017	CP SK3	4980	8600	0.43%	0.040	TRAP	5.0	50.0
SK4	K4A	CP FRD	5095	CP SK4	5017	10675	0.73%	0.045	TRAP	5.0	50.0
	K4B	CP RR1	5128	Property corner	5073	2960	1.86%	0.035	TRAP	3.0	3.0
	K4C	Property corner	5073	CP SK4	5017	3525	1.59%	0.040	TRAP	5.0	3.0
SLE	LEA	CP PA3 @ 30" outlet	5194	SLE 30" RCP inlet	5154	600	6.67%	0.035	TRAP	4.0	5.0
	LEB	SLE 30" RCP overflow	5156	CP SLE	5100	3275	1.71%	0.013	TRAP	1.5	50.0
	LEC	SLE 30" RCP inlet	5154	SLE 30" RCP outlet	5120	835	4.07%	0.013	CIRC	2.5	n/a
SLK	SLA	CP GR2	4990	CP SLK	4960	1690	1.78%	0.040	TRAP	3.0	3.0
	SLB	CP GR3	5010	CP SLK	4960	3260	1.53%	0.035	TRAP	12.0	3.0
SL1	SL1	SL1 @ 36" inlet	5146	CP SL1 @ 36" outlet	5133	755	1.72%	0.013	CIRC	3.0	n/a
SL3a	L3A	CP SL2 @ 36" outlet	n/a	SL3a deten basin	n/a	2400	0.50%	0.013	CIRC	3.0	n/a
SL3b	L3B	SL3a deten basin	5006	CP SL3b	4978	1170	2.39%	0.035	TRAP	5.0	4.0
SRS	RSA	CP PA6 @ 36" inlet	5195.4	CP SRS	5112.7	1745	4.74%	0.035	TRAP	3.0	1.0
	RSB	AW3 18" outlet	5218.4	CP SRS	5112.7	2305	4.59%	0.040	TRAP	3.0	1.0
	RSC	CP AW3	5169	CP SRS	5112.7	2475	2.27%	0.030	TRAP	7.0	2.5
SS1a	SS1	CP PA1 @ 48" outlet	5150	CP SS1 @ 48" inlet	5106	965	4.56%	0.035	TRAP	5.0	2.5
SS2	SS2	CP PW6 @ 60" outlet	5094	CP SS2	5044	1525	3.28%	0.035	TRAP	6.0	3.0
SS3	SS3	CP SS1 @ 48" outlet	5096	48" inlet at Moya Bd	4978	3115	3.79%	0.035	TRAP	5.0	3.0

Muskingum-Cunge routing parameters

Basin	Route	from	Elevation	to	Elevation	Length	Slope	n	Shape	WD	Z
ST1	T1A	SDMH #5517	5104.2	24" CMP outlet at rail	5099.8	485	0.91%	0.024	CIRC	2.0	n/a
	T1B	SDMH #5517	5103	SDMH #5500	5098.4	230	2.00%	0.013	CIRC	3.0	n/a
	T1C	CP SI1 @ 24" inlet	5107	SDMH #5500	5099	390	2.05%	0.013	CIRC	2.0	n/a
	T1D	SDMH #5500	5098.4	CP ST1 @ 24" outlet	5072.8	1610	1.59%	0.013	CIRC	2.0	n/a
	T1E	CP SI1 @ gutter	5110	CP ST1 @ gutter	5074	1980	1.82%	0.016	TRAP	1.5	50.0
	T1F	CP SLE	5100	CP ST1 @ gutter	5074	520	5.00%	0.013	TRAP	1.5	50.0
	T2A	CP ST1 @ 24" outlet	5072.8	Lip, 6'x6' inlet	5047.5	1295	1.95%	0.016	TRAP	1.0	1.0
ST2	T2C	Gutter @ 6'x6'	5047.5	SW DI, Stead & Lear	4974.4	4480	1.63%	0.016	TRAP	1.5	50.0
	T2D	CP ST2 @ MH#5344	4966.1	SD trunkline outlet	4963.4	1795	0.15%	0.024	CIRC	5.5	n/a
SV4	T2E	JCP 30" SD diversion	4986.9	CP ST2 @ MH#5346	4969.5	2265	0.77%	0.013	CIRC	2.5	n/a
	V4A	DBA 42" pipe inlet	4968	42" pipe outlet	4958.8	787	1.17%	0.013	CIRC	3.5	n/a
TP1	V4B	42" pipe outlet	4958.8	channel end	4952	1400	0.49%	0.035	TRAP	5.0	3.0
	TP1	CP NV1 @ 36" outlet	5165	CP TP1 @ 10'x4' inlet	5134	2000	1.55%	0.035	TRAP	5.0	3.0
TP2	TP2	CP PH1 @ 24" outlet	5188	CP TP2 @ 36" inlet	5126	2430	2.57%	0.035	TRAP	3.0	3.0

**Existing Conditions HEC-1
Parameters**

1

**Existing Conditions 100Year,
24Hour Event Model HEC-1
Model**

2

**Existing Conditions 5Year,
24Hour Event HEC-1 Model**

3

```

*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* MAY 1991
* VERSION 4.0.1E
* Lahey F77L-EM/32 version 5.01
* Dodson & Associates, Inc.
* RUN DATE 01/19/00 TIME 08:32:42
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 551-1748
*****

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X X XXXXXXX XXXXX X
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XXXXXXXX XXXX X XXXXX X
X X X X X
X X X X X
X X XXXXXXX XXXXX XXX

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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
 NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
 DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
 KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1 ID CITY OF RENO / STEAD DRAINAGE MASTER PLAN HEC-1 MODEL
2 ID PREPARED FOR CITY OF RENO, WASHOE COUNTY, NEVADA
3 ID
4 ID 100-YEAR, 24-HOUR EVENT EXISTING CONDITIONS HYDROLOGIC MODEL
5 ID PREPARED BY STANTEC CONSULTING, SPARKS, NEVADA
6 ID JOB # :26000208
7 ID FILE NAME: EX_100.DAT
8 ID DATE: APRIL 1999
9 ID *****
10 ID BALANCED STORM DISTRIBUTION (PH CARDS)
11 ID RAINFALL DEPTH FROM SSPFS, 1997
12 ID SCS CURVE NUMBER METHOD
13 ID MUSKINGUM CUNGE ROUTING
14 ID *****
15 IT 5 1200
16 IO 5
* *****
* DEPTH AREA REDUCTION FACTORS
* *****
* AREA ( SQ. MI.) DARF
* 0 - 2 1.00
* 2.1 - 8 0.99

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* 8.1 - 16 0.98
 * 16.1 - 29 0.97
 * 29.1 - 43 0.96
 * 43.1 - 65 0.95

 17 JR PREC 1.00 0.99 0.98 0.97 0.96 0.95

 *
 * *****
 * SILVER LAKE DRAINAGE BASIN *
 * *****
 *

18 KK FR1 FRED'S MOUNTAIN BASIN 1
 19 BA 13.01
 20 PH 0.001 0.67 1.21 2.02 2.24 2.40 2.75 3.44 4.13
 21 LS 75
 22 UD 2.22

23 KK FR2 FRED'S MOUNTAIN BASIN 2
 24 BA 6.84
 25 PH 0.001 0.62 1.12 1.87 2.07 2.23 2.55 3.15 3.75
 26 LS 74
 27 UD 1.64

28 KK CP FRD COMBINE HYDROGRAPHS FROM BASINS FR1 & FR2
 29 HC 2

HEC-1 INPUT

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

30 KK RT K4A ROUTE CONC PT FRD TO CONC PT SK4
 31 RD 10675 .007 .045 TRAP 5 50

32 KK RR1 RED ROCK BASIN 1
 33 BA 4.23
 34 PH 0.001 0.69 1.26 2.10 2.31 2.46 2.79 3.52 4.26
 35 LS 79
 36 UD 1.64

37 KK RT K4B ROUTE RR1 HYDROGRAPH TO NW AIRPORT PROPERTY CORNER
 38 RD 2960 .019 .035 TRAP 3 3

39 KK RT K4C CONTINUE ROUTE TO CONC PT SK4
 40 RD 3525 .016 .040 TRAP 5 3

41 KK SK4 SILVER KNOLLS BASIN 4
 42 BA 6.25
 43 PH 0.001 0.64 1.17 1.94 2.16 2.32 2.67 3.31 3.95
 44 LS 74
 45 UD 1.34

46 KK CP SK4 COMBINE CONC PT FRD WITH RR1 & SK4 HYDROGRAPHS
 47 HC 3

48 KK RT SK3 ROUTE CONC PT SK4 TO CONC PT SK3
 49 RD 8600 .004 .040 TRAP 5 50

50 KK SK3 SILVER KNOLLS BASIN 3

51	BA	7.81									
52	PH		0.001	0.63	1.15	1.91	2.12	2.28	2.61	3.29	3.97
53	LS		80								
54	UD	1.58									
55	KK CP SK3		COMBINE CONC PT SK4 WITH SK3 HYDROGRAPH								
56	HC	2									
57	KK RT K2A		ROUTE CONC PT SK3 TO OSAGE WETLAND AREA								
58	RD	6525	.0025	.040		TRAP	3		5		
59	KK	SK2	SILVER KNOLLS BASIN 2								
60	BA	2.40									
61	PH		0.001	0.64	1.16	1.94	2.14	2.29	2.61	3.33	4.04
62	LS		78								
63	UD	1.35									
64	KK CP SK2		COMBINE TWO HYDROGRAPHS @ THE OUTLET OF SK2								
65	HC	2									
66	KK	SK1	SILVER KNOLLS BASIN 1								
67	BA	1.60									
68	PH		0.001	0.62	1.13	1.89	2.12	2.29	2.66	3.42	4.17
69	LS		74								
70	UD	0.87									

HEC-1 INPUT

PAGE 3

1 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

71	KK CB SLK		COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE								
72	HC	2									
	*										
73	KK PW6		PEAVINE WEST BASIN 6								
74	BA	1.21									
75	PH		0.001	0.61	1.11	1.85	2.08	2.26	2.62	3.42	4.22
76	LS		66								
77	UD	1.11									
78	KK DV PW6		DIVERT PIPE FLOW THRU 60" RCP & 24" RCP BENEATH HIGHWAY 395 TO SS2								
79	KM		DIVERSION RATING FROM NIMBUS ENGINEERS H&H ANALYSIS FOR								
80	KM		SILVER SHORES #8, DATED APRIL 1993								
81	DT	60PW6									
82	DI	0	100	200	214	300					
83	DQ	0	100	200	214	214					
84	KK RT RRI		ROUTE OVERFLOW AT 60" TO CONC PT RRI								
85	RD	1350	.019	.025		TRAP	1		4.5		
86	KK PW5		PEAVINE WEST BASIN 5								
87	BA	0.90									
88	PH		0.001	0.60	1.10	1.83	2.09	2.29	2.71	3.51	4.31
89	LS		66								
90	UD	1.19									
91	KK DV PW5		DIVERT OVERFLOW AT INTERSECTION OF RED ROCK ROAD AND N. VIRGINIA								
92	KM		DIVERT OVERFLOW TO BASIN PW4								
93	DT	RR&NV									
94	DI	0	15	17	66	170					

95 DQ 0 0 1 32 104
 96 KK RRI RED ROCK INTERCHANGE BASIN
 97 BA 0.02
 98 PH 0.001 0.63 1.14 1.90 2.12 2.29 2.64 3.40 4.15
 99 LS 71
 100 UD 0.17

101 KK CP RRI COMBINE HYDROGRAPHS FROM PW5 & PW6 WITH RRI
 102 HC 3

103 KK DV RRI DIVERT PIPE FLOW AT 24" RCP BENEATH SOUTHBOUND RED ROCK INT ONRAMP
 104 KM DIVERT PIPE FLOW TO BASIN SS2
 105 DT 24RRI
 106 DI 0 30 100 200
 107 DQ 0 30 30 30

*
 * The total surface flow at the Red Rock Underpass will flow in both
 * sides of the roadway to the north, and some flows from the street will
 * overtop the street and combine with flows in the roadside channels.
 * The potential split flows at this location was not quantified. For the
 * purpose of this model, the total flow was routed in the street to Moya Blvd
 * where the street flows combine with the channel flows.

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

108 KK RT R3C ROUTE FLOWS IN THE STREET TO RED ROCK & MOYA
 109 RD 2350 .035 .016 TRAP 1.5 25

110 KK SS2 SILVER SHORES BASIN 2
 111 BA 0.10
 112 PH 0.001 0.62 1.13 1.89 2.11 2.28 2.62 3.35 4.08
 113 LS 71
 114 UD 0.31

115 KK 60RCP RETRIEVE 60" RCP PIPE FLOW DIVERSION FROM BASIN PW6
 116 DR 60PW6

117 KK RT SS2 ROUTE FLOW TO CONC PT SS2
 118 RD 1525 .033 .035 TRAP 6 3

119 KK 24CMP RETRIEVE 24" CMP PIPE FLOW DIVERSION FROM BASIN RRI
 120 DR 24RRI

121 KK CP SS2 COMBINE CP RR1, 24" CMP AND 60" RCP WITH SS2 HYDROGRAPH
 122 HC 3

123 KK RT R3D ROUTE CONC PT SS2 IN EX CONCRETE CHANNEL ALONG RED ROCK TO MOYA BLVD
 124 RD 1620 .021 .022 TRAP 10 2

125 KK CB MOY COMBINE THE CHANNEL FLOWS & THE STREET FLOWS
 126 HC 2

*
 * US 395 CULVERT DIVERSION RATINGS FOR BASINS PW1 THRU PW4 WERE TAKEN FROM
 * NIMBUS ENGINEERS HYDROLOGIC AND HYDRAULIC ANALYSIS FOR SILVER SHORES #8,
 * DATED APRIL 1993
 *

127 KK PW1 PEAVINE WEST BASIN 1
 128 BA 0.42
 129 PH 0.001 0.60 1.10 1.83 2.09 2.28 2.70 3.53 4.37
 130 LS 70
 131 UD 0.59

132 KK DV PW1 DIVERT PIPE FLOW AT 48" RCP BENEATH 395 TO BASIN GR4
 133 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
 134 DT 48PW1
 135 DI 0 63 139 195 261
 136 DQ 0 63 90 105 115

137 KK DV PW2 DIVERT PIPE FLOW AT 24" RCP BENEATH 395 TO BASIN GR4
 138 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
 139 DT 24PW2
 140 DI 0 62 91 126 169 220
 141 DQ 0 10 12 14 16 18

HEC-1 INPUT

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

142 KK RT PW2 ROUTE OVERFLOW EAST DOWN 395 TO CONC PT PW2
 143 RD 1150 .060 .025 TRAP 1 4.5

144 KK PW2 PEAVINE WEST BASIN 2
 145 BA 0.23
 146 PH 0.001 0.61 1.11 1.85 2.10 2.29 2.70 3.51 4.33
 147 LS 69
 148 UD 0.48

149 KK CP PW2 COMBINE HYDROGRAPHS FROM BASINS PW1 & PW2
 150 HC 2

151 KK DV PW2 DIVERT PIPE FLOW AT 42" RCP BENEATH 395 TO BASIN GR4
 152 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
 153 DT 42PW2
 154 DI 0 116 133 173 252 379 561
 155 DQ 0 116 121 125 130 135 140

156 KK RT PW3 ROUTE OVERFLOW EAST DOWN 395 TO CONC PT PW3
 157 RD 1750 .060 .025 TRAP 1 4.5

158 KK PW3 PEAVINE WEST BASIN 3
 159 BA 1.02
 160 PH 0.001 0.60 1.10 1.83 2.09 2.28 2.68 3.52 4.35
 161 LS 70
 162 UD 0.92

163 KK CP PW3 COMBINE HYDROGRAPHS FROM CONC PT PW2 WITH BASIN PW3
 164 HC 2

165 KK DV PW3 DIVERT PIPE FLOW AT 48" RCP BENEATH 395 TO BASIN GR4
 166 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
 167 DT 48PW3
 168 DI 0 160 330 367 463
 169 DQ 0 160 200 206 220

170 KK PW4 PEAVINE WEST BASIN 4
 171 BA 1.55

172	PH		0.001	0.61	1.11	1.85	2.09	2.27	2.66	3.48	4.31
173	LS		66								
174	UD	0.87									
175	KK	RRINT	RETRIEVE DIVERSION AT INTERSECTION OF RED ROCK AND N. VIRGINIA (PW5)								
176	DR	RR&NV									
177	KK	DV PW4	DIVERT PIPE FLOW AT 42" RCP BENEATH 395 TO BASIN GR3								
178	KM		DIVERSION RATING FROM NIMBUS-SILVER SHORES #8								
179	DT	42PW4									
180	DI	0	115	366	540						
181	DQ	0	115	130	140						

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

182	KK	CP PW4	COMBINE CONC PT PW3 & PW5 SPLIT WITH PW4 HYDROGRAPH								
183	HC	3									
184	KK	DET48	DETENTION STORAGE AT CONC PT PW4, INLET OF 48" RCP BENEATH 395								
185	KM		DETENTION RATING MODIFIED FROM NIMBUS-SILVER SHORES #8								
186	RS	1	STOR	0							
187	SA	0	0.01	0.09	0.21	0.37	0.64	1.40	3.88	5.44	5.5
188	SE	66.9	70	72	74	76	78	80	84	86	87
189	SQ	0	50	108	150	182	210	234	277	295	305

190	KK	RT R4E	ROUTE FLOW AT 48" RCP OUTLET TO CONC PT GR4								
191	RD	560	.025	.040		TRAP	10		2		
		*									
		*	RETRIEVE PIPE DIVERSION FLOWS FROM BASINS PW1 - PW3								
		*									

192	KK	48RCP	RETRIEVE 48" RCP DIVERSION FROM BASIN PW1								
193	DR	48PW1									

194	KK	RT R4A	ROUTE FLOW AT 48" OUTLET TO CONC PT GR4								
195	RD	5330	.049	.035		TRAP	7		2		

196	KK	24RCP	RETRIEVE 24" RCP DIVERSION FROM BASIN PW2								
197	DR	24PW2									

198	KK	RT R4B	ROUTE FLOW AT 24" OUTLET TO CONC PT GR4								
199	RD	4660	.049	.034		TRAP	9		2		

200	KK	42RCP	RETRIEVE 42" RCP DIVERSION FROM BASIN PW2								
201	DR	42PW2									

202	KK	RT R4C	ROUTE FLOW AT 42" OUTLET TO CONC PT GR4								
203	RD	3020	.046	.033		TRAP	12		1.5		

204	KK	48RCP	RETRIEVE 48" RCP DIVERSION FROM BASIN PW3								
205	DR	48PW3									

206	KK	RT R4D	ROUTE FLOW AT 48" OUTLET TO CONC PT GR4								
207	RD	760	.032	.040		TRAP	10		2		

208	KK	GR4	GRANITE HILLS BASIN 4								
209	BA	0.39									
210	PH		0.001	0.61	1.12	1.86	2.12	2.31	2.71	3.49	4.26

211 LS 73
 212 UD 0.35
 213 KK CP GR4 COMBINE ALL PIPE DIVERSIONS & CONC PT PW4 WITH GR4 HYDROGRAPH
 214 HC 6

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

215 KK RT R3A ROUTE CONC PT GR4 TO CONC PT GR3 AT RED ROCK ROAD AND MOYA BLVD
 216 RD 1670 .013 .040 TRAP 10 3
 217 KK 42RCP RETRIEVE 42" RCP DIVERSION FROM BASIN PW4
 218 DR 42PW4
 219 KK RT R3B ROUTE FLOW AT 42" OUTLET TO CONC PT GR3
 220 RD 1975 .020 .040 TRAP 6 2
 221 KK GR3 GRANITE HILLS BASIN 3
 222 BA 0.11
 223 PH 0.001 0.62 1.13 1.89 2.12 2.30 2.66 3.43 4.20
 224 LS 67
 225 UD 0.35

226 KK CP GR3 COMBINE CONC PTS GR4, 42" PW4 RCP, AND GR3 HYDROGRAPH
 227 HC 3

228 KK CP CHN COMBINE CONC PT GR3 WITH SS2 CHANNEL FLOW.
 229 HC 2

230 KK RT SLB ROUTE CONC PT CHN IN CHANNEL TO SILVER LAKE
 231 RD 3260 .015 .035 TRAP 12 3

232 KK GR2 GRANITE HILLS BASIN 2
 233 BA 0.10
 234 PH 0.001 0.62 1.13 1.89 2.13 2.30 2.68 3.43 4.17
 235 LS 75
 236 UD 0.37

237 KK RT SLA ROUTE GR2 HYDROGRAPH IN NATURAL CHANNEL TO SILVER LAKE
 238 RD 1690 .018 .040 TRAP 3 3

239 KK GR1 GRANITE HILLS BASIN 1
 240 BA 0.58
 241 PH 0.001 0.62 1.13 1.88 2.12 2.31 2.70 3.45 4.20
 242 LS 74
 243 UD 0.32

244 KK CB SLK COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE
 245 HC 4
 *
 *

246 KK PA1 PEAVINE ADDITIONAL BASIN 1
 247 BA 0.41
 248 PH 0.001 0.61 1.11 1.85 2.06 2.23 2.57 3.33 4.08
 249 LS 67
 250 UD 0.40

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

251	KK	RT SS1	ROUTE PA1 HYDROGRAPH TO CONC PT SS1												
252	RD	965	.046	.035		TRAP	5	2.5							
253	KK	SS1A	SILVER SHORES BASIN 1A												
254	BA	0.02													
255	PH		0.001	0.62	1.12	1.87	2.08	2.25	2.59	3.31	4.02				
256	LS		71												
257	UD	0.20													
258	KK	SS1B	SILVER SHORES BASIN 1B												
259	BA	0.01													
260	PH		0.001	0.62	1.12	1.87	2.09	2.25	2.59	3.30	4.02				
261	LS		85												
262	UD	0.06													
263	KK	DT SS1	ROUTE RUNOFF FROM BASIN SS1B THRU DETENTION BASIN												
264	RS	1	STOR	0											
265	SA	0	0.025	0.036	0.049	0.064	0.081	0.098	0.098						
266	SE	17.5	18	19	20	21	22	23	23.5						
267	SQ	0	1	2.5	4	4.5	5.5	6	121						
268	KK	CP SS1	COMBINE PA1 & SS1 HYDROGRAPHS AT CONC PT SS1												
269	HC	3													
270	KK	RT SS3	ROUTE CONC PT SS1 NORTH TO MOYA BLVD												
271	RD	3115	.038	.035		TRAP	5	3							
272	KK	SS3	SILVER SHORES BASIN 3												
273	BA	0.36													
274	PH		0.001	0.63	1.14	1.90	2.11	2.27	2.60	3.33	4.06				
275	LS		88												
276	UD	0.39													
277	KK	CB SLK	COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE												
278	HC	3													
	*														
	*														
279	KK	SL2	SILVER LAKE BASIN 2												
280	BA	0.04													
281	PH		0.001	0.62	1.12	1.86	2.08	2.24	2.58	3.29	4.00				
282	LS		82												
283	UD	0.27													
284	KK	RT L3A	ROUTE SL2 HYDROGRAPH TO CONC PT SL3A												
285	RD	2400	.005	.013		CIRC	3								
286	KK	SL3A	SILVER LAKE BASIN 3A												
287	BA	0.08													
288	PH		0.001	0.62	1.12	1.87	2.08	2.25	2.59	3.29	4.00				
289	LS		81												
290	UD	0.24													

HEC-1 INPUT

PAGE 9

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

291	KK	C SL3A	COMBINE HYDROGRAPHS FROM BASINS SL2 & SL3A								
292	HC	2									
293	KK	DT L3A	ROUTE THRU SL3A DETENTION BASIN								
	*		DETENTION BASIN PARAMETERS BASED ON PYRAMID ENGINEERS GRADING PLAN								
	*		FOR SPECIAL USE PERMIT DATED FEB 98								
294	RS	1	STOR	0							
295	SA	0	0.13	0.19	0.26	0.33	0.41	0.52	0.58		
296	SE	3.9	4	6	8	10	12	14	16		
297	SL	4.9	3.14	0.65	0.5						
298	SS	13.3	137	2.6	1.5						
299	KK	RT L3B	ROUTE TO CP SL3B								
300	RD	1170	.024	.035		TRAP	5	4			
301	KK	SL3B	SILVER LAKE BASIN 3B								
302	BA	0.05									
303	PH		0.001	0.62	1.13	1.88	2.09	2.26	2.60	3.30	4.00
304	LS		85								
305	UD	0.22									
306	KK	CB SL3	COMBINE FLOWS FROM THE DETENTION OUTLET & SL3B								
307	HC	2									
308	KK	RT GC3	ROUTE CONC PT SL3 TO CONC PT GC3								
309	RD	605	.016	.035		TRAP	5	3			
310	KK	GC3	GOLF COURSE BASIN 3								
311	BA	0.12									
312	PH		0.001	0.62	1.12	1.87	2.08	2.24	2.58	3.26	3.95
313	LS		75								
314	UD	0.27									
315	KK	CB GC3	COMBINE CONC PT SL3 AND GC3 HYDROGRAPHS AT DROP INLET STRUCTURE								
316	HC	2									
317	KK	CB SLK	COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE								
318	HC	2									
	*										
319	KK	PA2	PEAVINE ADDITIONAL BASIN 2								
320	BA	0.25									
321	PH		0.001	0.61	1.11	1.85	2.06	2.22	2.55	3.29	4.02
322	LS		69								
323	UD	0.28									
324	KK	RT SL1	ROUTE PA2 HYDROGRAPH TO CONC PT SL1								
325	RD	755	.017	.013		CIRC	3				
			HEC-1 INPUT								
LINE	ID12345678910
326	KK	SL1	SILVER LAKE BASIN 1								
327	BA	0.02									
328	PH		0.001	0.61	1.11	1.86	2.07	2.23	2.57	3.27	3.97
329	LS		79								
330	UD	0.12									

331	KK CP SL1	COMBINE HYDROGRAPHS FROM BASINS PA2 & SL1								
332	HC	2								
333	KK RT C2A	ROUTE CONC PT SL1 NORTH THRU BASIN GC2								
334	RD	4860	.028	.035	TRAP	4	3			
335	KK RT C2B	CONTINUE ROUTING IN LARGE CHANNEL TO CONC PT GC2								
336	RD	1270	.006	.035	TRAP	20	3			
337	KK	GC2	GOLF COURSE BASIN 2							
338	BA	0.18								
339	PH	0.001 0.61 1.12 1.86 2.07 2.23 2.56 3.25 3.93								
340	LS	78								
341	UD	0.45								
342	KK CB GC2	COMBINE CONC PT SL1 & BASIN GC2 HYDROGRAPHS - NOT THE TOTAL FLOW								
343	HC	2								
	*									
344	KK	PA3	PEAVINE ADDITIONAL BASIN 3							
345	BA	0.10								
346	PH	0.001 0.61 1.11 1.85 2.05 2.21 2.54 3.26 3.97								
347	LS	69								
348	UD	0.27								
349	KK RT LEA	ROUTE PA3 HYDROGRAPH TO 30" RCP INLET BEHIND SILVER LAKE ESTATES								
350	RD	600	.067	.035	TRAP	4	5			
351	KK DV SLE	DIVERT OVERFLOW AT 30" RCP TO BASIN SLE								
352	DT	30SLE								
353	DI	0	50	100	200					
354	DQ	0	0	50	150					
355	KK RT LEC	ROUTE TO THE PIPE OUTLET								
356	RD	835	.040	.013	CIRC	2.5				
357	KK RT C1A	ROUTE FLOW AT 30" OUTLET TO CONC PT GC1								
358	RD	3365	.029	.035	TRAP	4	3			
359	KK	GC1	GOLF COURSE BASIN 1							
360	BA	0.25								
361	PH	0.001 0.61 1.11 1.84 2.05 2.21 2.54 3.21 3.89								
362	LS	78								
363	UD	0.36								

HEC-1 INPUT

PAGE 11

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

364	KK CB GC1	COMBINE TWO HYDROGRAPHS @ CP GC1 - NOT THE TOTAL FLOW								
365	HC	2								
	*									

366	KK	PW7	PEAVINE WEST BASIN 7							
367	BA	1.25								
368	PH	0.001 0.60 1.09 1.82 2.06 2.24 2.61 3.38 4.15								
369	LS	69								
370	UD	1.31								

371	KK DV PW7	DIVERT OVERFLOW AT 48" RAILROAD CULVERT TO BASIN AW1								
-----	-----------	--	--	--	--	--	--	--	--	--

372	DT	RRPW7								
373	DI	0	100	130	142	170	216	282		
374	DQ	0	0	0	7	30	71	131		
375	KK	RT PA4	ROUTE FLOW AT 48" OUTLET TO CONC PT PA4							
376	RD	1160	.060	.035		TRAP	5	2.5		
377	KK	PA4	PEAVINE ADDITIONAL BASIN 4							
378	BA	0.02								
379	PH		0.001	0.61	1.11	1.84	2.05	2.20	2.53	3.23 3.93
380	LS		73							
381	UD	0.14								
382	KK	CP PA4	COMBINE PW7 & PA4 HYDROGRAPHS							
383	HC	2								
384	KK	DV PA4	DIVERT OVERFLOW AT DUAL 24" CMP CULVERTS TO BASIN AW3							
385	DT	24PA4								
386	DI	0	56	127	139	154	172	193	217	
387	DQ	0	0	65	77	90	103	118	133	
388	KK	RT PA6	ROUTE FLOW AT DUAL 24" OUTLETS TO CONC PT PA6							
389	RD	595	.054	.035		TRAP	5	2.5		
390	KK	PA6	PEAVINE ADDITIONAL BASIN 6							
391	BA	0.01								
392	PH		0.001	0.61	1.11	1.85	2.05	2.21	2.53	3.22 3.91
393	LS		71							
394	UD	0.12								
395	KK	CP PA6	COMBINE CONC PT PA4 WITH BASIN PA6 HYDROGRAPH							
396	HC	2								
397	KK	DV PA6	DIVERT OVERFLOW AT 36" RCP HIGHWAY CULVERT TO BASIN SRS							
398	DT	36PA6								
399	DI	0	52	67	116	151	270			
400	DQ	0	0	7	47	79	191			

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

401	KK	RT A7B	ROUTE FLOW AT 36" OUTLET TO CONC PT PA7							
402	RD	615	.045	.035		TRAP	5	2.5		
403	KK	PA5	PEAVINE ADDITIONAL BASIN 5							
404	BA	0.005								
405	PH		0.001	0.61	1.11	1.85	2.05	2.21	2.53	3.22 3.91
406	LS		71							
407	UD	0.10								
408	KK	RT A7A	ROUTE PA5 HYDROGRAPH TO CONC PT PA7							
409	RD	1235	.042	.013		CIRC	1.8			
410	KK	PA7	PEAVINE ADDITIONAL BASIN 7							
411	BA	0.02								
412	PH		0.001	0.61	1.11	1.85	2.05	2.21	2.54	3.22 3.91
413	LS		74							
414	UD	0.26								

415 KK CP PA7 COMBINE CONC PT PA6 WITH BASIN PA5 & PA7 HYDROGRAPHS
416 HC 3

417 KK RT SDA ROUTE TO CP RSD THRU 54" PIPE TO THE PIPE OUTLET
418 RD 1210 .035 .013 CIRC 4.5

419 KK RT SDB CONTINUE ROUTING TO CP RSD IN THE CHANNEL
420 RD 785 .020 .035 TRAP 6 3

421 KK AW1 AUTO WRECKER BASIN 1
422 BA 0.04
423 PH 0.001 0.61 1.10 1.84 2.05 2.20 2.53 3.23 3.93
424 LS 69
425 UD 0.26

426 KK PW7SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PW7
427 DR RRPW7

428 KK CP AW1 COMBINE SPLIT FLOW FROM PW7 WITH BASIN AW1 HYDROGRAPH
429 HC 2

430 KK DV AW1 DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN AW2
431 DT RRAW1
432 DI 0 25 39 73 128
433 DQ 0 0 7 39 93

434 KK RT AWC ROUTE FLOW AT 24" OUTLET TO 30" CMP INLET BEHIND AUTO WRECKER
435 RD 1180 .080 .035 TRAP 3 5

436 KK RT AWD ROUTE THRU 30" CMP TO CONC PT AW3
437 KM (Excess flow will travel overland to conc pt AW3)
438 RD 705 .074 .024 CIRC 2.5

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

439 KK AW2 AUTO WRECKER BASIN 2
440 BA 0.36
441 PH 0.001 0.60 1.09 1.82 2.04 2.20 2.53 3.24 3.95
442 LS 68
443 UD 0.82

444 KK AW1SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN AW1
445 DR RRAW1

446 KK RT AW1 ROUTE THE SPLIT ALONG RAILROAD SIDING TO BASIN AW2
447 RD 515 .006 .035 TRAP 12 3

448 KK CP AW2 COMBINE SPLIT FLOW FROM AW1 WITH BASIN AW2 HYDROGRAPH
449 HC 2

450 KK DET36 DETENTION STORAGE AT CONC PT AW2, INLET OF 36" CMP AT RAILROAD
451 RS 1 STOR 0
452 SA 0 0.5 1.1
453 SE 5285.8 5300.0 5314.0
454 SQ 0 125 160

455 KK RT AWE ROUTE FLOW AT 36" OUTLET TO 36" CMP INLET BEHIND AUTO WRECKER
456 RD 700 .061 .035 TRAP 4 2.5

457 KK DV A36 DIVERT PIPE FLOW AT 36" CULVERT TO BASIN S11
458 KM (Rating for this diversion based upon limiting conditions at
459 KM downstream section of pipe)
460 DT 36AW3
461 DI 0 45 200
462 DQ 0 45 45

463 KK RT AWF ROUTE OVERFLOW AT 36" INLET TO CONC PT AW3
464 RD 1410 .052 .020 TRAP 10 50

465 KK 2-24 RETRIEVE SPLIT AT DUAL 24" CMP's AT PA4 OUTLET
466 DR 24PA4

467 KK RT AWA ROUTE OVERFLOW AT DUAL 24's EAST TO 18" CMP INLET
468 RD 575 .030 .025 TRAP 3 10

469 KK DV 18 DIVERT PIPE FLOW AT 18" CMP TO BASIN SRS
470 DT 18AW3
471 DI 0 11 14 30 61 107
472 DQ 0 11 11 11 13 17

473 KK RT AWB ROUTE OVERFLOW AT 18" INLET EAST TO CONC PT AW3
474 RD 1055 .053 .025 TRAP 3 10

475 KK AW3 AUTO WRECKER BASIN 3
476 BA 0.11
477 PH 0.001 0.60 1.10 1.83 2.04 2.19 2.52 3.20 3.89
478 LS 77
479 UD 0.18

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

480 KK CP AW3 COMBINE FLOWS AT CONC PT AW3
481 HC 4

482 KK DV A30 DIVERT PIPE FLOW AT 30" CMP TO BASIN S11
483 DT 30AW3
484 DI 0 27 35 59 106 178 275
485 DQ 0 27 28 29 30 31 32

486 KK RT RSC ROUTE CONC PT AW3 TO CONC PT SRS
487 RD 2475 .023 .030 TRAP 7 2.5

488 KK 36RCP RETRIEVE DIVERSION FROM BASIN PA6
489 DR 36PA6

490 KK RT RSA ROUTE DIVERSION FROM PA6 TO CONC PT SRS
491 RD 1745 .047 .035 TRAP 3 1

492 KK 18CMP RETRIEVE 18" CMP DIVERSION FROM BASIN AW3
493 DR 18AW3

494 KK RT RSB ROUTE FLOW AT 18" OUTLET TO CONC PT SRS
495 RD 2305 .046 .040 TRAP 3 1

496 KK SRS STEAD RAIL SPUR BASIN
497 BA 0.03

498 PH 0.001 0.61 1.10 1.84 2.04 2.20 2.53 3.21 3.89
 499 LS 74
 500 UD 0.26
 501 KK CP SRS COMBINE FLOWS AT CONC PT SRS
 502 HC 4
 503 KK RT SDC ROUTE FROM CP SRS TO CP RSD IN THE CHANNEL
 504 RD 1260 .020 .035 TRAP 6 3
 505 KK 30CMP RETRIEVE FLOW AT 30" OUTLET AT CONC PT AW3
 506 DR 30AW3
 507 KK 36CMP RETRIEVE FLOW AT 36" INLET BEHIND AUTO WRECKER
 508 DR 36AW3
 509 KK RT AWG ROUTE PIPE FLOW AT 36" INLET TO THE OUTLET
 510 RD 1220 .061 .024 CIRC 3
 511 KK CP CHL COMBINE OUTLET FLOWS OF 30" & 36" CMP's IN EX EARTH CHANNEL
 512 HC 2
 513 KK RT I1A ROUTE FLOW AT 30" & 36" OUTLETS TO CONC PT S11
 514 RD 1385 .028 .035 TRAP 12 1.5
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

515 KK DV S11 DIVERT PIPE FLOW AT 36" CMP BENEATH STEAD INTERCHANGE ONRAMP
 516 KM (Divert pipe flow to basin S12 based upon rating at SB offramp)
 517 DT 36S11
 518 DI 0 32 42 65 98 149
 519 DQ 0 32 38 46 50 54
 520 KK S11 STEAD INTERCHANGE BASIN 1
 521 BA 0.04
 522 PH 0.001 0.60 1.10 1.83 2.03 2.19 2.51 3.18 3.84
 523 LS 74
 524 UD 0.19
 525 KK CP S11 COMBINE CHANNEL OVERFLOW WITH BASIN S11 HYDROGRAPH
 526 HC 2
 527 KK DV STD DIVERT STREET FLOWS @ THE INLET OF 24" CMP TO CP ST1
 528 DT STDBL1
 529 DI 0 21 50 100
 530 DQ 0 0 29 79
 531 KK 0-CFS DIVERT ALL PIPE FLOWS HERE
 532 DT 24S11
 533 DI 0 21 50
 534 DQ 0 21 50
 * TOTAL FLOW HERE FROM S11 = 0 CFS - COMBINE @ CP RSD
 535 KK 36CMP RETRIEVE 36" CMP DIVERSION FROM BASIN S11
 536 DR 36S11
 537 KK RT S12 ROUTE FLOW AT 36" OUTLET TO CONC PT S12
 538 RD 695 .020 .035 TRAP 12 1.5

539 KK S12 STEAD INTERCHANGE BASIN 2
 540 BA 0.01
 541 PH 0.001 0.60 1.10 1.83 2.04 2.19 2.52 3.18 3.84
 542 LS 74
 543 UD 0.13

544 KK CP S12 COMBINE CHANNEL FLOW WITH S12 HYDROGRAPH
 545 HC 2
 * Begin storm drain network @ 48" RCP w/barscreen inlet

546 KK DV S12 DIVERT STORM DRAIN SPLIT FLOWS EAST TO STEAD BLVD IN 36" RCP
 547 DT 36S12
 548 DI 0 10 31 45 62
 549 DQ 0 10 26 35 45

550 KK RT T1A ROUTE CP S12 TO THE 24" CMP OUTLET
 551 KM 24" CMP BENEATH RAILROAD
 552 RD 485 .009 .024 CIRC 2
 HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

553 KK RT SDD ROUTE FROM 24" CMP OUTLET TO CP RSD
 554 RD 680 .017 .035 TRAP 6 3

555 KK CB RSD COMBINE FOUR HYDROGRAPHS AT CP RSD - NOT THE TOTAL FLOW
 556 HC 4

557 KK RSD RAIL SPUR DITCH BASIN
 558 BA 0.02
 559 PH 0.001 0.60 1.10 1.83 2.04 2.19 2.52 3.19 3.86
 560 LS 86
 561 UD 0.18

562 KK PA3SP RETRIEVE DIVERSION AT 30" RCP INLET BEHIND SILVER LAKE ESTATES
 563 DR 30SLE
 * USE KINEMATIC WAVE ROUTING - HEC-1 MODEL WILL NOT RUN WITH MUSK-CUNGE HERE

564 KK RT LEB ROUTE THE OVERFLOW TO CP SLE
 565 RK 3275 .017 .013 TRAP 1.5 50

566 KK SLE SILVER LAKE ESTATES BASIN
 567 BA 0.13
 568 PH 0.001 0.61 1.11 1.84 2.05 2.21 2.54 3.22 3.91
 569 LS 82
 570 UD 0.31

571 KK CP SLE COMBINE DIVERSION FLOWS & SLE @ CP SLE
 572 HC 2

573 KK DV SLE DIVERT ROADWAY SPLIT FLOW TO BASIN GC1
 574 KM OVERFLOW AT N EDGE OF SILVER LAKE BLVD, WEST OF RAILROAD
 575 DT STSLE
 576 DI 0 28 100 300
 577 DQ 0 0 72 272
 *

578 KK CP RSD COMBINE ALL FLOWS @ CP RSD

579 HC 3

580 KK DV RSD DIVERT FLOWS TO STEAD BLVD @ CP RSD
 581 KM FLOW EAST OVER RAILROAD ON SILVER LAKE BLVD
 582 DT RRRSD
 583 DI 0 26 61 237 615
 584 DQ 0 0 26 166 469

585 KK RT C1C ROUTE CONC PT RSD TO CONC PT GC1
 586 RD 3835 .016 .035 TRAP 10 1

587 KK RC SLE RETRIEVE DIVERSION FROM BASIN SLE
 588 DR STSLE

HEC-1 INPUT

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

589 KK RT C1B ROUTE SPLIT OVERFLOW FROM CP SLE TO CP GC1
 590 RD 4205 .019 .035 TRAP 10 1

591 KK CP GC1 COMBINE CONC PTS RSD, SLE SPLIT WITH GC1 HYDROGRAPH
 592 HC 3

593 KK RT C2C ROUTE CONC PT GC1 TO TOP OF USBR STRUCTURE
 594 RD 1400 .009 .035 TRAP 12 2

595 KK RT C2D CONTINUE ROUTING FROM BOTTOM OF USBR STRUCTURE TO END OF CHANNEL
 596 RD 1740 .007 .035 TRAP 20 3

597 KK CP GC2 COMBINE CONC PTS GC1 & GC2 IN CHANNEL AT MOYA BLVD CULVERT INLETS
 598 HC 2

599 KK UPR UNION PACIFIC REALTY BASIN
 600 BA 0.14
 601 PH 0.001 0.62 1.13 1.88 2.08 2.24 2.57 3.25 3.93
 602 LS 91
 603 UD 0.43

604 KK CB SLK COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE
 605 HC 3
 *

606 KK LEA LEAR DRAINAGE BASIN
 607 BA 0.14
 608 PH 0.001 0.61 1.11 1.86 2.07 2.22 2.55 3.22 3.89
 609 LS 90
 610 UD 0.52

611 KK DV JCP DIVERT STORM DRAIN FLOWS EAST TO STEAD BLVD IN BASIN ST2
 612 KM 30" STORM DRAIN ALONG JCPENNEY NORTH ENTRANCE ROAD
 613 DT 30JCP
 614 DI 0 18 100 400
 615 DQ 0 18 18 18

616 KK DV LEA DIVERT STORM DRAIN FLOWS TO LEMMON LAKE BASIN MA1
 617 KM 24" STORM DRAIN THRU RR DONNELLY PROPERTY
 618 DT 24LEA
 619 DI 0 15 100 400
 620 DQ 0 15 15 15

621 KK 24CMP RETRIEVE 24" CMP/RCP STORM DRAIN FLOW FROM CP SI1
 622 DR 24SI1
 * IGNORE ROUTING - TOO SHORT
 * RT T1C ROUTE APPROX. 390 FEET IN THE PIPE TO THE NORTH
 * 390 .020 .013 CIRC 2
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

623 KK 36RCP RETRIEVE 36" RCP STORM DRAIN FLOWS FROM SI2
 624 DR 36SI2
 * IGNORE ROUTING - TOO SHORT
 * RT T1B ROUTE TO STEAD BLVD IN STORM DRAIN PIPE
 * 230 .020 .013 CIRC 3

625 KK CB STM COMBINE STORM DRAIN FLOWS FROM SI1 & SI2 @THE MANHOLE NEAR THE SCHO
 626 HC 2

627 KK DV ST1 DIVERT STORM DRAIN FLOWS ACROSS STEAD BLVD IN 24" RCP
 628 DT 24ST1
 629 D1 0 26 32 42 54 60
 630 DQ 0 0 5 15 26 30

631 KK RT T1D ROUTE STEAD BLVD STORM DRAIN FLOWS TO CP ST1 AT 24" RCP OUTLET
 632 RD 1610 .016 .013 CIRC 2

633 KK RC STD RETRIEVE STREET FLOWS FROM CP SI1
 634 DR STDBL1
 * USE KINEMATIC WAVE ROUTING - MUSK-CUNGE DOESN'T WORK HERE

635 KK RT T1E ROUTE STREET FLOWS FROM CP SI1 TO CP ST1
 636 RK 1980 .018 .016 TRAP 1.5 50

637 KK RC RSD RETRIEVE DIVERSION FLOWS FROM CP RSD
 638 DR RRRSD

639 KK RT T1F ROUTE DIVERSION FLOWS FROM CP RSD TO CP ST1
 640 RD 520 .050 .013 TRAP 1.5 50

641 KK ST1 STEAD BLVD BASIN 1
 642 BA 0.02
 643 PH 0.001 0.60 1.10 1.83 2.04 2.19 2.52 3.18 3.84
 644 LS 87
 645 UD 0.32

646 KK CP ST1 COMBINE FLOWS @ CP ST1
 647 HC 4

648 KK RT T2A ROUTE FLOWS FROM CP ST1 TO 6'X 6' DROP INLET IN STEAD BLVD
 649 RD 1295 .020 .016 TRAP 1 1

650 KK RT T2C CONTINUE ROUTING TO CP ST2 IN STEAD BLVD
 651 RD 4480 .016 .016 TRAP 1.5 50

652 KK ST2 STEAD BLVD BASIN 2
 653 BA 0.40
 654 PH 0.001 0.61 1.10 1.84 2.04 2.20 2.53 3.19 3.84
 655 LS 87

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

657 KK DV HZL DIVERT STORM DRAIN FLOWS AT HAZELCREST SUBDIVISION TO LEMMON LAKE
 658 DT 18HZL
 659 DI 0 9 22 63 200
 660 DQ 0 9 15 16 16

661 KK RC JCP RECALL STORM DRAIN DIVERSION AT JCPENNEY SITE FROM BASIN LEA
 662 DR 30JCP

663 KK RT T2E ROUTE STORM DRAIN FLOW TO CONC PT ST2
 664 RD 2265 .008 .013 CIRC 2.5

665 KK CP ST2 COMBINE ALL FLOWS AT CP ST2 - INTERSECTION OF STEAD & LEAR
 666 HC 3

667 KK DV ST2 DIVERT STORM DRAIN FLOWS TO LEMMON LAKE BASIN MA1
 668 DT 54ST2
 669 DI 0 65 100 500
 670 DQ 0 65 65 65

* Use kinematic wave routing for Donnelley channel routes MO2 and MO4 due
 * to excessive peak attenuation when using Muskingum Cunge

671 KK CP LEA COMBINE CHANNEL FLOW WITH LEA HYDROGRAPH
 672 HC 2

* Detention storage in RR Donnelley perimeter basin per Hanson Engineers
 * Leareno Industrial Park Flood Study performed in 1984
 * Adjusted elevations based upon spot elev taken at top of conc box, #5343
 * Subtracted 15 cfs from SQ card to account for flow already in system from
 * Lear drainage basin to the south (LEA)

673 KK RRDON DETENTION STORAGE AT RR DONNELLEY SITE
 674 RS 1 ELEV 4970.15
 675 SV 1.13 1.89 4.91 8.97 13.42 18.37
 676 SE 4970.2 4970.6 4971.6 4972.6 4973.6 4974.6
 677 SQ 0 4 25 51 62 70 77
 678 SE 4970.2 4970.6 4971.6 4972.6 4973.6 4974.6 4975.6
 679 SS 4970.2
 680 ST 4975.6 150 3.0 1.5
 *

681 KK DV BOX DIVERT FLOW AT CONCRETE BOX STRUCTURE IN STORM DRAIN TO LEMMON LAKE
 682 DT RRBOX
 683 DI 0 4 25 1000
 684 DQ 0 4 25 25

685 KK RT MO2 ROUTE IN CHANNEL TO MOYA DETENTION BASIN
 686 RK 1630 .0008 .045 TRAP 15 3

687 KK ST3 STEAD BLVD BASIN 3
 688 BA 0.53
 689 PH 0.001 0.61 1.11 1.85 2.05 2.20 2.52 3.17 3.82
 690 LS 86
 691 UD 0.83

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

692 KK RT MO3 ROUTE TO MOYA DETENTION BASIN
 693 RD 960 .015 .050 TRAP 10 50

694 KK RT MO4 CONTINUE ROUTING TO MOYA DETENTION BASIN
 695 RK 525 .001 .045 TRAP 16 3

696 KK MOY MOYA BLVD BASIN
 697 BA 1.17
 698 PH 0.001 0.62 1.13 1.89 2.09 2.24 2.55 3.22 3.89
 699 LS 84
 700 UD 1.24

701 KK CP MOY COMBINE ALL FLOWS AT CP MOY
 702 HC 3

* The following Moya Detention Basin rating is for a 100-year storm only.
 * SILVER LAKE 100-YEAR, 24-HOUR EVENT WSEL(NAVD) = 68.7' +/-

703 KK DETMO DETENTION STORAGE EAST OF MOYA BLVD
 704 RS 1 ELEV 4968.7
 705 SA 0 51.2 59.1 72.6 120.9 140.2
 706 SE 4965 4966.0 4968.0 4970.0 4971.0 4971.4
 707 SQ 0 0 0 61 158 926
 *

708 KK RT K2B ROUTE MOYA DETENTION BASIN OUTFLOW TO SILVER LAKE
 709 RD 4020 .002 .035 TRAP 50 3

710 KK SLK SILVER LAKE BASIN
 711 BA 1.32
 712 PH 0.001 0.64 1.16 1.93 2.14 2.30 2.64 3.35 4.06
 713 LS 93
 714 UD 0.30

715 KK CP SLK TOTAL FLOW AT SILVER LAKE PLAYA
 716 HC 3

*
 * SILVER LAKE PLAYA STAGE-STORAGE INFORMATION IS FROM NIMBUS ENGINEERS
 * FEMA FIS, HYDROLOGIC ANALYSIS OF SILVER LAKE AND LEMMON VALLEY PLAYAS,
 * DATED REVISED DECEMBER 1987.
 *

717 KK SLWSE SILVER LAKE 100-YEAR, 24-HOUR EVENT WSEL
 * INITIAL LAKE STORAGE = 5-year, 24-hour volume from the Nimbus Report
 718 RS 1 STOR 1278
 719 SA 0 1 5.7 21.2 113.9 220.5 314.4 377.5 441.9 525.0
 720 SA 596.0 940 1320
 721 SQ 0 0 0 0 0 0 0 0 0 0
 722 SQ 0 0 0
 723 SE 4950 4951 4952 4953 4954 4955 4956 4957 4958 4959
 724 SE 4960 4965 4970

*
 * *****
 * * LEMMON LAKE DRAINAGE BASIN *
 * *****
 *

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

725 KK PE1A PEAVINE EAST BASIN 1A
726 BA 0.05
727 PH 0.001 0.60 1.09 1.82 2.03 2.18 2.51 3.18 3.86
728 LS 72
729 UD 0.24

730 KK SRT9C ROUTE THRU DETENTION
731 KM STAGE-AREA-DISCHARGE PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
732 RS 1 STOR 0
733 SA 0 0.34 0.574
734 SE 84 90.1 94.4
735 SQ 0 0 24

736 KK RT SBG ROUTE FLOW AT 24" OUTLET TO 36" CMP BENEATH RAILROAD
737 RD 1300 .102 .035 TRAP 2 2

738 KK PE1B PEAVINE EAST BASIN 1B
739 BA 0.11
740 PH 0.001 0.60 1.09 1.82 2.03 2.18 2.51 3.18 3.86
741 LS 72
742 UD 0.30

743 KK SRT9B ROUTE THRU DETENTION BASIN
744 KM STAGE-AREA-DISCHARGE PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
745 RS 1 STOR 0
746 SA 0 0.2 0.41 0.411 0.411
* SE 87.2 90.5 93.9 - SE CARD FROM SKY VISTA MODIFIED
747 SE 95.7 99.0 102.4 103 103.5
748 SQ 0 20 35 45 61

749 KK DV PE1 DIVERT FLOWS TO BASIN PE2 ALONG RR
750 DT PE1-RR
751 DI 0 30 38 45 61
752 DQ 0 0 1 6 20

753 KK RT SBA ROUTE PE1B HYDROGRAPH TO 36" CMP BENEATH RAILROAD
754 RD 1320 .090 .035 TRAP 2 2

755 KK CB PE1 COMBINE FLOWS FROM PE1 AT THE INLET OF 36"
756 HC 2

757 KK RT SBB ROUTE FROM 36" CMP OUTLET TO CONC PT ESB
758 RD 2400 .033 .040 TRAP 4 3

759 KK PE2 PEAVINE EAST BASIN 2
760 BA 0.35
761 PH 0.001 0.60 1.09 1.82 2.02 2.18 2.51 3.18 3.86
762 LS 73
763 UD 0.62

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

764 KK RC DIV RETRIEVE RR DIVERSION FROM BASIN PE1B
765 DR PE1-RR

766	KK RT E1S	ROUTE TO CP PE2								
767	RD	560	.007	.035		TRAP	4		3	
768	KK CP PE2	COMBINE FLOWS FROM PE2 & DIVERSION FROM PE1B								
769	HC	2								
770	KK DV PE2	DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PE3								
771	DT	RRPE2								
772	DI	0	30	39	70	88	111	139	175	
773	DQ	0	0	7	28	38	48	60	74	
774	KK RT SBC	ROUTE PE2 HYDROGRAPH TO 24" CMP BENEATH RAILROAD								
775	RD	990	.082	.035		TRAP	2		2	
776	KK RT SBD	ROUTE FROM 24" CMP OUTLET TO CONC PT ESB								
777	RD	3000	.039	.040		TRAP	4		3	
778	KK	PE3	PEAVINE EAST BASIN 3							
779	BA	0.09								
780	PH		0.001	0.59	1.08	1.80	1.99	2.14	2.45	3.10 3.75
781	LS		78							
782	UD	0.30								
783	KK PE2SP	RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE2								
784	DR	RRPE2								
785	KK RT PE3	ROUTE THE SPLIT ALONG RAILROAD SIDING TO CONC PT PE3								
786	RD	1120	.015	.035		TRAP	10		3	
787	KK CP PE3	COMBINE SPLIT FLOW FROM PE2 WITH BASIN PE3 HYDROGRAPH								
788	HC	2								
789	KK DV PE3	DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PE4								
790	DT	RRPE3								
791	DI	0	25	42	73	128	230			
792	DQ	0	0	12	42	95	165			
793	KK RT SBE	ROUTE PE3 HYDROGRAPH TO 36" CMP BENEATH RAILROAD								
794	RD	900	.067	.035		TRAP	2		2	
795	KK RT SBF	ROUTE FROM 36" CMP OUTLET TO CONC PT ESB								
796	RD	3400	.037	.040		TRAP	5		3	
797	KK	ESB	END STEAD BOULEVARD BASIN							
798	BA	0.39								
799	PH		0.001	0.60	1.09	1.81	2.01	2.17	2.49	3.13 3.78
800	LS		72							
801	UD	0.27								

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

802	KK CP ESB	COMBINE PE1, PE2 & PE3 HYDROGRAPHS WITH ESB								
803	HC	4								
	*									
804	KK ESB-DT	LOW STORAGE AREA SOUTH OF HIGHWAY 395								
805	RS	1	STOR	0						
806	SA	0	0.59	0.94	2.0	2.8	3.6			

807 SE 90 92 92.5 94 95 96
 808 SQ 0 24 38 128 299 849

809 KK DV ESB DIVERT FLOWS TO BASIN PE4 ALONG US 395
 810 DT WR-ESB
 811 DI 0 38 128 299 849
 812 DQ 0 0 45 190 717
 *

813 KK RT SE1 ROUTE HIGHWAY CULVERT OUTLET FLOW TO CP SE1
 814 RD 1470 .017 .035 TRAP 4 3

815 KK SE1 STEAD EAST BASIN 1
 816 BA 0.08
 817 PH 0.001 0.60 1.09 1.81 2.01 2.17 2.49 3.13 3.77
 818 LS 74
 819 UD 0.32

820 KK CP SE1 COMBINE FLOW FROM CP ESB WITH SE1 HYDROGRAPH
 821 HC 2
 *

* *****
 * NOTE: BASIN PARAMETERS, DETENTION BASINS, AND CHANNEL ROUTING PARAMETERS
 * USED FOR SV3 THRU SV7 WERE TAKEN FROM THE PROPOSED CONDITIONS HEC-1 MODEL
 * PRESENTED IN THE SKY VISTA DRAINAGEWAY MASTER PLAN DATED 9/21/95,
 * PREPARED BY JEFF CODEGA INC.
 * TO BE CONSISTENT WITH THE OVERALL MODEL, PH CARDS FOR SKY VISTA BASINS
 * SV3 THRU SV7 WERE MODIFIED ACCORDINGLY.
 * *****
 *

822 KK RT SV6 ROUTE THRU SKY VISTA BASIN 6 - FROM SKY VISTA DRAINAGE MASTER PLAN
 823 RD 6500 .014 .040 TRAP 25 1

824 KK SV6 SKY VISTA BASIN 6 - FROM SKY VISTA DRAINAGE MASTER PLAN
 825 BA 0.32
 * NEW PH CARD
 826 PH 0.001 0.59 1.06 1.77 1.98 2.14 2.47 3.09 3.71
 827 LS 84
 828 UD 0.47

829 KK SV7 SKY VISTA BASIN 7 - FROM SKY VISTA DRAINAGE MASTER PLAN
 830 BA 0.073
 * NEW PH CARD
 831 PH 0.001 0.58 1.05 1.75 1.95 2.11 2.43 3.03 3.63
 832 LS 79
 833 UD 0.29

HEC-1 INPUT

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1 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

834 KK CP SV7 COMBINE ALL FLOWS AT CP SV7
 835 HC 3

836 KK SRT679 ROUTE THRU DETENTION BASIN "A"
 837 KM DETENTION BASIN PARAMETERS CALCULATED BASED UPON SKY VISTA PARKWAY
 838 KM EXTENSION DETENTION/RETENTION BASIN DESIGN PLAN
 839 RS 1 STOR 0
 840 SA 2.32 2.77 3.21 4.10 4.9 4.9 4.9

841	SE	66	68	70	74	76	76.1	76.3		
842	SQ	0	0	21	94	192	288	678		
843	KK RT V4A	ROUTE OUTFLOW FROM BASIN SRT679 TO CP SV4 THRU 42" RCP								
844	KM	ROUTING PARAMETERS ESTIMATED FROM THE CHANNEL/CULVERT DESIGN PLANS								
845	RD	787	.012	.013		CIRC	3.5			
846	KK RT V4B	CONTINUE ROUTING TO CP SV4								
847	KM	ROUTING PARAMETERS ESTIMATED FROM THE CHANNEL/CULVERT DESIGN PLANS								
848	RD	1400	.005	.035		TRAP	5	3		
849	KK SV4	SKY VISTA BASIN 4 - FROM SKY VISTA DRAINAGE MASTER PLAN								
850	BA	0.111								
	*	NEW PH CARD								
851	PH		0.001	0.59	1.07	1.78	1.99	2.15	2.48	3.10 3.73
852	LS		83							
853	UD	0.22								
854	KK CP SV4	COMBINE OUTFLOWS FROM DETENTON BASIN WITH SV4								
855	HC	2								
856	KK RT MIL	ROUTE FLOWS TO CULVERT INLETS AT MILITARY ROAD								
857	KM	ROUTING PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN								
858	RD	1000	.006	.040		TRAP	12	2		
	*									
859	KK RC ST1	RETRIEVE 24" STORM DRAIN DIVERSION FROM BASIN ST1								
860	DR	24ST1								
861	KK RT E2A	ROUTE IN STORM DRAIN TO 24" RCP OUTLET								
862	RD	1170	.020	.013		CIRC	2			
863	KK RT E2B	CONTINUE ROUTING TO CP SE2								
864	RD	600	.023	.035		TRAP	2	3		
865	KK SE2	STEAD EAST BASIN 2								
866	BA	0.09								
867	PH		0.001	0.60	1.09	1.82	2.03	2.18	2.51	3.16 3.82
868	LS		87							
869	UD	0.19								

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

870	KK CP SE2	COMBINE 24" PIPE DIVERSION FROM ST1 & SE2 @ CP SE2								
871	HC	2								
872	KK RT SV3	ROUTE FLOWS FROM SE2 THRU BASIN SV3								
873	KM	ROUTING PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN								
874	RD	7100	.014	.035		TRAP	15	4		
875	KK SE3	STEAD EAST BASIN 3								
876	BA	0.05								
877	PH		0.001	0.60	1.09	1.82	2.03	2.18	2.51	3.16 3.82
878	LS		90							
879	UD	0.22								
880	KK RT SV3	ROUTE FLOWS FROM SE3 THRU BASIN SV3								
881	RD	5200	.014	.035		TRAP	15	4		

882 KK SV3 SKY VISTA BASIN 3 - FROM SKY VISTA DRAINAGE MASTER PLAN
 883 BA 0.275
 * NEW PH CARD
 884 PH 0.001 0.60 1.09 1.81 2.02 2.17 2.50 3.14 3.77
 885 LS 85
 886 UD 0.59

887 KK CB SV3 COMBINE FLOWS FROM CPSE2, SE3, & SV3
 888 HC 3

889 KK DV SV3 PER SKY VISTA DRAINAGE MASTER PLAN, DIVERT 125 CFS TO DETENTION "B"
 890 DT DET B
 891 D1 0 50 125 200 500
 892 DQ 0 50 125 125 125

893 KK RC SV3 RECALL DIVERSION TO DETENTION BASIN "B"
 894 DR DET B

895 KK SRT3,8 DETENTION BASIN "B" FROM SKY VISTA DRAINAGE MASTER PLAN
 896 KM BASIN PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
 897 RS 1 STOR 0
 898 SA 0 1.22 1.42 1.61 1.81
 899 SE 4954 4956 4958 4960 4962
 900 SQ 0 10 20 30 40 50 60 70 80 90
 901 SE 4958 4959.3 4960 4960.6 4961.2 4961.9 4962.7 4964 4964.1 4964.2

902 KK CP SV3 COMBINE CHANNEL FLOWS WITH DETENTION BASIN "B" OUTFLOWS
 903 HC 2

904 KK RT MIL ROUTE FROM CP SV3 TO CULVERTS @ MILITARY ROAD
 905 KM ROUTING PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
 906 RD 1000 .006 .040 TRAP 12 2
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

907 KK SV5 SKY VISTA BASIN 5 - FROM SKY VISTA DRAINAGE MASTER PLAN
 908 BA 0.027
 * NEW PH CARD
 909 PH 0.001 0.60 1.09 1.82 2.02 2.18 2.51 3.15 3.80
 910 LS 91
 911 UD 0.04

912 KK SE4 STEAD EAST BASIN 4
 913 BA 0.01
 914 PH 0.001 0.60 1.09 1.82 2.03 2.18 2.51 3.15 3.80
 915 LS 85
 916 UD 0.18

917 KK CP SE4 COMBINE FLOWS FROM SV5 & SE4 AT RCP INLET
 918 KM BEGIN KERNITE STREET STORM DRAIN
 919 HC 2

920 KK RT A1A ROUTE TO LEAR BLVD SDMH
 921 RD 2665 .009 .013 CIRC 3

922 KK RC HZL RETRIEVE HAZELCREST STORM DRAIN DIVERSION FROM BASIN ST2
 923 DR 18HZL

924 KK RT A1D ROUTE HAZELCREST DIVERSION TO LEAR BLVD SDMH
 925 RD 620 .007 .013 CIRC 4

 926 KK CB SD COMBINE STORM DRAIN FLOWS AT LEAR BLVD SDMH
 927 HC 2

 928 KK RT A1B ROUTE TO MAIN STORM DRAIN TRUNK OUTLET
 929 RD 1260 .002 .024 CIRC 5.5

 930 KK RC LEA RETRIEVE 24" SD DIVERSION FROM BASIN LEA
 931 DR 24LEA

 932 KK RC BOX RETRIEVE CONCRETE BOX STRUCTURE DIVERSION IN DONNELLY DETEN BASIN
 933 DR RRBOX

 934 KK CB BOX COMBINE LEAR AND DONNELLEY DIVERSIONS IN BOX STRUCTURE
 935 HC 2

 936 KK RT M05 ROUTE TO SDMH IN STEAD BLVD
 937 RD 1125 .003 .013 CIRC 3

 938 KK RC ST2 RETRIEVE 54" X 36" SD DIVERSION FROM ST2
 939 DR 54ST2

 940 KK CB SD1 COMBINE STORM DRAIN DIVERSIONS IN SDMH
 941 HC 2

HEC-1 INPUT

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

942 KK RT T2D ROUTE FROM SDMH TO MAIN STORM DRAIN TRUNK OUTLET
 943 RD 1795 .002 .024 CIRC 5.5

 944 KK CB SD2 COMBINE STORM DRAIN FLOWS AT THE OUTLET
 945 HC 2

 946 KK RT A1C ROUTE FROM THE SD OUTLET TO CP MA1 IN EX CHANNEL
 947 RD 3875 .006 .035 TRAP 6 2

 948 KK MA1 MAYORS PARK BASIN 1
 949 BA 0.41
 950 PH 0.001 0.60 1.09 1.82 2.03 2.18 2.50 3.15 3.80
 951 LS 75
 952 UD 0.74

 953 KK CP MA1 COMBINE FLOWS AT CP MA1
 954 HC 2
 *

 955 KK PE4 PEAVINE EAST BASIN 4
 956 BA 1.85
 957 PH 0.001 0.57 1.04 1.74 1.92 2.05 2.33 2.96 3.60
 958 LS 75
 959 UD 0.93

 960 KK PE3SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE3
 961 DR RRPE3

962 KK RT PE4 ROUTE THE SPLIT FROM PE3 TO CONC PT PE4
 963 RD 4450 .046 .035 TRAP 3 3

 964 KK ESB SP RETRIEVE SPLIT FLOW ALONG US395 FROM CP ESB
 965 DR WR-ESB

 966 KK CP PE4 COMBINE SPLIT FLOWS FROM PE3 & ESB WITH BASIN PE4 HYDROGRAPH
 967 HC 3

 968 KK RT ML1 ROUTE CONC PT PE4 TO CONC PT ML1
 969 RD 9070 .013 .035 TRAP 10 3

 970 KK ML1 MILITARY ROAD BASIN 1
 971 BA 1.06
 972 PH 0.001 0.57 1.03 1.72 1.91 2.05 2.35 2.95 3.55
 973 LS 75
 974 UD 1.16

 975 KK CP ML1 COMBINE CONC PT PE4 WITH BASIN ML1 HYDROGRAPH
 976 HC 2

HEC-1 INPUT

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

977 KK DV WER DIVERT WEIR FLOWS OVER MILITARY ROAD TO THE EAST
 978 DT MIL-WR
 979 DI 0 300 400 1000
 980 DQ 0 0 0 600

 981 KK DV ML1 DIVERT FLOWS THRU 8.5' x 4' RCB UNDER MILITARY ROAD TO THE EAST
 982 DT BOXML1
 983 DI 0 62 145 237 323 450
 984 DQ 0 50 100 150 200 270

 985 KK DV MIL DIVERT FLOWS THRU 24" CMP UNDER MILITARY ROAD TO THE EAST
 986 DT 24ML1
 987 DI 0 60 173 223
 988 DQ 0 0 13 20

 989 KK RT ML3 ROUTE IN WEST ROADSIDE CHANNEL TO BOX CULVERT INLET @ CP ML3
 990 RD 2770 .006 .035 TRAP 10 2

 991 KK ML3 MILITARY ROAD BASIN 3
 992 BA 0.17
 993 PH 0.001 0.58 1.05 1.75 1.95 2.11 2.43 3.02 3.62
 994 LS 64
 995 UD 0.56

 996 KK CP ML3 COMBINE ALL FLOWS AT THE INLET OF BOX CULVERTS UNDER MILITARY ROAD
 997 HC 5

 998 KK RC L1A RETRIEVE WEIR FLOW DIVERSION FROM BASIN ML1
 999 DR MIL-WR

 1000 KK RC L1B RETRIEVE BOX CULVERT DIVERSION FROM BASIN ML1
 1001 DR BOXML1

 1002 KK RC L1C RETRIEVE 24" CMP DIVERSION FROM BASIN ML1
 1003 DR 24ML1

1004 KK CB DIV COMBINE THREE DIVERSION FLOWS IN EAST ROADSIDE CHANNEL
 1005 HC 3

1006 KK DV ML2 DIVERT FLOWS IN EXCESS OF 3-36" RCP BENEATH ACCESS ROAD TO ML2
 1007 DT ML2-WR

1008 DI 0 135 200 1000
 1009 DQ 0 0 65 865

1010 KK RT L2A ROUTE IN EAST ROADSIDE CHANNEL TO BOX CULVERT OUTLETS NEAR CP ML3
 1011 RD 2775 .006 .035 TRAP 10 2

1012 KK CB BOX COMBINE FLOWS AT THE OUTLET OF BOX CULVERTS
 1013 HC 2

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1014 KK RT GP1 ROUTE FLOW FROM BOX CULVERTS TO LEMMON LAKE
 1015 RD 3605 .007 .030 TRAP 8 1

1016 KK ML2 MILITARY ROAD BASIN 2
 1017 BA 0.63
 1018 PH 0.001 0.56 1.03 1.71 1.91 2.06 2.38 2.94 3.51
 1019 LS 65
 1020 UD 0.82

1021 KK RC ML2 RETRIEVE DIVERSION/OVERFLOW FROM THE ROADSIDE DITCH
 1022 DR ML2-WR

1023 KK RT L2B ROUTE FLOWS TO LEMMON LAKE
 1024 RD 5555 .008 .040 TRAP 10 50

1025 KK CP ML2 COMBINE FLOWS AT CP ML2
 1026 HC 2

1027 KK MA2 MAYORS PARK BASIN 2
 1028 BA 0.06
 1029 PH 0.001 0.60 1.09 1.82 2.03 2.18 2.50 3.14 3.77
 1030 LS 68
 1031 UD 0.24

1032 KK RT GP2 ROUTE FROM CP MA2 THRU SAGE POINT BUSINESS PARK
 1033 RD 1060 .049 .035 TRAP 3 4

1034 KK RT GP3 CONTINUE ROUTING TO LEMMON LAKE
 1035 RD 2555 .004 .025 TRAP 5 3

1036 KK SGP SAGE POINT BUSINESS PARK BASIN
 1037 BA 0.26
 1038 PH 0.001 0.59 1.06 1.77 1.98 2.13 2.46 3.07 3.69
 1039 LS 84
 1040 UD 0.45

1041 KK CP SGP COMBINE BASIN MA2 & SGP HYDROGRAPHS
 1042 HC 2

1043 KK LD1 LEMMON DRIVE BASIN 1
 1044 BA 0.33

1045	PH		0.001	0.54	0.99	1.64	1.82	1.96	2.25	2.80	3.35
1046	LS		74								
1047	UD	0.52									
1048	KK	RT D3B	ROUTE LD1 HYDROGRAPH THRU BASIN LD3 TO LEMMON LAKE								
1049	RD	8600	.006	.035		TRAP	3	3			
1050	KK	LD3	LEMMON LAKE BASIN 3								
1051	BA	0.80									
1052	PH		0.001	0.54	0.99	1.64	1.84	1.98	2.29	2.82	3.35
1053	LS		67								
1054	UD	1.27									

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1055	KK	CB LD3	COMBINE FLOWS FROM LD1 & LD3								
1056	HC	2									
1057	KK	CB LLK	COMBINE FLOWS AT LEMMON LAKE - NOT THE TOTAL FLOW @ LEMMON LAKE								
1058	HC	4									
		*									
1059	KK	PE5	PEAVINE EAST BASIN 5								
1060	BA	2.53									
1061	PH		0.001	0.57	1.04	1.74	1.91	2.04	2.30	2.98	3.66
1062	LS		68								
1063	UD	1.51									
		*									
1064	KK	DET33	DETENTION STORAGE AT CONC PT PE5, INLET OF 33" CMP AT RAILROAD								
1065	RS	1	STOR	0							
1066	SA	0	1.46	3.22	3.3	3.3	3.3				
1067	SE	29.6	40.0	51.5	52.0	52.5	53.0				
1068	SQ	0	75	119	146	204	313				
1069	KK	DV PE5	DIVERT OVERFLOW AT 33" RAILROAD CULVERT TO BASIN PE6								
1070	DT	RRPE5									
1071	DI	0	100	119	146	204	313	555	986		
1072	DQ	0	0	5	31	87	175	292	440		
		*									
1073	KK	RT HR1	ROUTE PE5 HYDROGRAPH TO CONC PT HR1								
1074	RD	2780	.034	.035		TRAP	4	3			
1075	KK	HR1	HEINDEL ROAD BASIN 1								
1076	BA	0.09									
1077	PH		0.001	0.54	0.98	1.63	1.80	1.93	2.20	2.75	3.31
1078	LS		75								
1079	UD	0.25									
1080	KK	CP HR1	COMBINE PE5 AND HR1 HYDROGRAPHS								
1081	HC	2									
1082	KK	RT H2A	ROUTE CONC PT HR1 THRU 54" CMP								
1083	RD	800	.020	.024		CIRC	4.5				
1084	KK	RT H2B	ROUTE OUTLET OF 54" CMP TO CONC PT HR2								
1085	RD	375	.037	.035		TRAP	6	3			

1086 KK HR2 HEINDEL ROAD BASIN 2
 1087 BA 0.03
 1088 PH 0.001 0.54 0.98 1.63 1.81 1.94 2.21 2.75 3.29
 1089 LS 88
 1090 UD 0.12

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1091 KK CP HR2 COMBINE CONC PT HR1 WITH HR2 HYDROGRAPH
 1092 HC 2

1093 KK RT G3A ROUTE CONC PT HR2 BENEATH LEMMON DRIVE IN 72" CMP
 1094 RD 1630 .026 .024 CIRC 6

1095 KK RT G3B CONTINUE ROUTING TO CONC PT GV3
 1096 RD 1630 .023 .035 TRAP 8 2

1097 KK HR3 HEINDEL ROAD BASIN 3
 1098 BA 0.10
 1099 PH 0.001 0.53 0.96 1.60 1.78 1.91 2.18 2.71 3.24
 1100 LS 84
 1101 UD 0.20

1102 KK RT G3C ROUTE CONC PT HR3 TO CONC PT GV3
 1103 RD 3690 .023 .035 TRAP 3 3

1104 KK PE6 PEAVINE EAST BASIN 6
 1105 BA 0.10
 1106 PH 0.001 0.53 0.97 1.62 1.78 1.91 2.17 2.73 3.29
 1107 LS 71
 1108 UD 0.19

1109 KK PE5SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE5
 1110 DR RRPE5

1111 KK RT 6SA ROUTE PE5 SPLIT ALONG RAILROAD SIDING THRU PE6
 1112 RD 910 .007 .035 TRAP 15 3

* ROUTING TOO SHORT - IGNORE

* RT 6SB CONTINUE ROUTING TO CONC PT PE6

* 400 .055 .035 TRAP 3 1

1113 KK CP PE6 COMBINE SPLIT FLOW FROM PE5 WITH BASIN PE6 HYDROGRAPH
 1114 HC 2

*

1115 KK DET24 DETENTION STORAGE AT CONC PT PE6, INLET OF 24" CMP AT RAILROAD
 1116 RS 1 STOR 0
 1117 SA 0 1.56 1.56 1.56 1.56
 1118 SE 5222.3 5239.4 5240.5 5241.5 5242.0 5242.5
 1119 SQ 0 49 51 84 119 305

1120 KK DV PE6 DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PE7
 1121 DT RRPE6
 1122 DI 0 49 51 63 84 119 305
 1123 DQ 0 0 1 12 33 64 102

1124 KK RT MGA ROUTE PE6 HYDROGRAPH TO NORTH VIRGINIA ST

1125 RD 1600 .036 .024 CIRC 2
HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1126 KK RT MGB CONTINUE ROUTING TO CONC PT MG1
1127 RD 2260 .026 .035 TRAP 4 3

1128 KK MG1 MEMORIAL GARDENS BASIN 1
1129 BA 0.18
1130 PH 0.001 0.52 0.95 1.58 1.75 1.88 2.15 2.67 3.20
1131 LS 82
1132 UD 0.26

1133 KK CP MG1 COMBINE PE6 HYDROGRAPH WITH BASIN MG1
1134 HC 2

1135 KK RT G3D ROUTE CONC PT MG1 TO CONC PT GV3
1136 RD 4620 .018 .035 TRAP 6 2

1137 KK PE7 PEAVINE EAST BASIN 7
1138 BA 0.99
1139 PH 0.001 0.52 0.95 1.59 1.75 1.87 2.13 2.70 3.26
1140 LS 74
1141 UD 0.49

1142 KK PE6SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE6
1143 DR RRPE6
* 0 CFS SPLITS FROM CP PE6 TO BASIN PE7 DURING A 100-YEAR STORM
* ROUTING NOT NEEDED
* RT 7SA ROUTE PE6 SPLIT ALONG RAILROAD THRU PE7
* 500 .006 .035 TRAP 12 3
* RT 7SB CONTINUE ROUTING TO CONC PT PE7
* 350 .057 .035 TRAP 3 3

1144 KK CP PE7 COMBINE SPLIT FLOW FROM PE6 WITH BASIN PE7 HYDROGRAPH
1145 HC 2
*

1146 KK DET24 DETENTION STORAGE AT CONC PT PE7, INLET OF 24" CMP AT RAILROAD
1147 RS 1 STOR 0
1148 SA 0 1.48 1.48 1.48 1.5 1.5 1.5
1149 SE 17.4 30.8 31.0 31.5 32 32.5 33.5
1150 SQ 0 41 46 74 129 214 663

1151 KK DV PE7 DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PH1
1152 DT RRPE7
1153 DI 0 41 46 74 129 214 365 663
1154 DQ 0 0 4 31 86 170 284 426
*

1155 KK RT NV1 ROUTE PE7 HYDROGRAPH TO CONC PT NV1
1156 RD 1760 .029 .024 CIRC 3
HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1157 KK NV1 NORTH VIRGINIA BASIN 1

1158	BA	0.06									
1159	PH		0.001	0.51	0.94	1.56	1.73	1.85	2.12	2.65	3.17
1160	LS		85								
1161	UD	0.15									
1162	KK CP NV1		COMBINE PE7 & NV1 HYDROGRAPHS								
1163	HC	2									
1164	KK RT TP1		ROUTE CONC PT NV1 TO CONC PT TP1								
1165	RD	2000	.016	.035		TRAP	5	3			
1166	KK	TP1	TRAILER PARK 1								
1167	BA	0.05									
1168	PH		0.001	0.51	0.93	1.55	1.72	1.84	2.11	2.62	3.13
1169	LS		82								
1170	UD	0.20									
1171	KK CP TP1		COMBINE CONC PT NV1 WITH TP1 HYDROGRAPH								
1172	HC	2									
1173	KK RT G3E		ROUTE CONC PT TP1 BEHIND NORTH HILLS SHOPPING CENTER IN CHANNEL								
1174	RD	1400	.016	.013		TRAP	10	3			
1175	KK RT G3F		CONTINUE ROUTING TO CONC PT GV3								
1176	RD	5350	.017	.035		TRAP	10	3			
1177	KK	GV3	GOLDEN VALLEY BASIN 3								
1178	BA	0.34									
1179	PH		0.001	0.52	0.94	1.57	1.74	1.87	2.15	2.66	3.17
1180	LS		73								
1181	UD	0.55									
1182	KK CP GV3		COMBINE CONC PTS HR2, HR3, MG1 & TP1 WITH GV3 HYDROGRAPH								
1183	HC	5									
1184	KK	PH1	PEAVINE HEIGHTS BASIN 1								
1185	BA	0.11									
1186	PH		0.001	0.50	0.92	1.53	1.69	1.82	2.08	2.61	3.13
1187	LS		74								
1188	UD	0.35									
1189	KK PE7SP		RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE7								
1190	DR	RRPE7									
1191	KK RT HSA		ROUTE PE7 SPLIT ALONG RAILROAD THRU PH1								
1192	RD	650	.017	.035		TRAP	16	3			
1193	KK RT HSB		CONTINUE ROUTING TO CONC PT PH1								
1194	RD	570	.049	.035		TRAP	3	3			
			HEC-1 INPUT								
LINE	ID	.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10									
1195	KK CP PH1		COMBINE SPLIT FLOW FROM PE7 WITH BASIN PH1 HYDROGRAPH								
1196	HC	2									
		*									
1197	KK DET24		DETENTION STORAGE AT CONC PT PH1, INLET OF 24" CMP AT RAILROAD								
1198	RS	1	STOR	0							

1199	SA	0	0.82	4.3	4.3	4.3	4.3				
1200	SE	5192.1	5200.0	5208.5	5209.5	5210	5211				
1201	SQ	0	30	43	83	131	379				
1202	KK DV PH1	DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN RH1									
1203	DT	RRPH1									
1204	DI	0	38	43	55	83	131	214	379		
1205	DQ	0	0	1	12	40	87	154	240		
1206	KK RT TP2	ROUTE PH1 HYDROGRAPH TO CONC PT TP2									
1207	RD	2430	.026	.035		TRAP	3	3			
1208	KK	TP2	TRAILER PARK BASIN 2								
1209	BA	0.10									
1210	PH		0.001	0.50	0.91	1.52	1.69	1.82	2.08	2.58	3.09
1211	LS		83								
1212	UD	0.22									
1213	KK CP TP2	COMBINE PH1 HYDROGRAPH WITH CONC PT TP2									
1214	HC	2									
1215	KK	RH1	RALEIGH HEIGHTS BASIN 1								
1216	BA	0.69									
1217	PH		0.001	0.48	0.88	1.47	1.63	1.76	2.02	2.51	3.00
1218	LS		80								
1219	UD	0.35									
1220	KK PH1SP	RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PH1									
1221	DR	RRPH1									
	*	0 CFS SPLITS FROM BASIN PH1 DURING A 100-YEAR EVENT									
	*	ROUTING NOT NEEDED									
	* RT RHA	ROUTE PH1 SPLIT ALONG RAILROAD SIDING TO 24" CMP AT RAILROAD									
	* 760	.011	.035		TRAP	11	3				
	* RT RHB	CONTINUE ROUTING TO CONC PT RH1									
	* 5790	.036	.035		TRAP	3	3				
1222	KK CB RH1	COMBINE SPLIT FLOWS FROM PH1 WITH RH1									
1223	HC	2									
1224	KK CP RH1	COMBINE BASIN RH1 HYDROGRAPH WITH CP TP2									
1225	HC	2									

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1226	KK RT GV1	ROUTE CONC PT RH1 TO CONC PT GV1									
1227	RD	4925	.011	.035		TRAP	6	3			
	*										
	*										
1228	KK	GV1	GOLDEN VALLEY BASIN 1								
1229	BA	3.13									
1230	PH		0.001	0.47	0.85	1.42	1.59	1.72	1.98	2.42	2.86
1231	LS		74								
1232	UD	1.24									
1233	KK CP GV1	COMBINE CONC PT RH1 WITH GV1 HYDROGRAPH									
1234	HC	2									

1235	KK	RT GV2	ROUTE CONC PT GV1 TO CONC PT GV3								
1236	RD	4335	.011	.035		TRAP	7	3			
1237	KK	GV2	GOLDEN VALLEY BASIN 2								
1238	BA	0.58									
1239	PH		0.001	0.51	0.92	1.53	1.71	1.85	2.13	2.62	3.11
1240	LS		72								
1241	UD	0.54									
1242	KK	CP GV3	COMBINE CONC PTS GV3 & GV1 WITH GV2 HYDROGRAPH								
1243	HC	3									
1244	KK	RT LD2	ROUTE CONC PT GV3 TO CONC PT LD2								
1245	RD	3460	.009	.035		TRAP	12	3			
1246	KK	LD2	LEMMON DRIVE BASIN 2								
1247	BA	0.21									
1248	PH		0.001	0.53	0.96	1.60	1.78	1.92	2.21	2.74	3.26
1249	LS		70								
1250	UD	0.39									
1251	KK	CP LD2	COMBINE CONC PT GV3 WITH BASIN LD2 HYDROGRAPH								
1252	HC	2									
1253	KK	RT D3A	ROUTE CONC PT LD2 DOWN LEMMON DRIVE CHANNEL TO LEMMON LAKE								
1254	RD	10030	.007	.035		TRAP	12	1			
			*								
1255	KK	BER	BERNOULLI STREET BASIN								
1256	BA	0.59									
1257	PH		0.001	0.53	0.96	1.60	1.79	1.93	2.23	2.74	3.24
1258	LS		72								
1259	UD	0.66									
1260	KK	RT PAT	ROUTE BER HYDROGRAPH TO CONC PT PAT								
1261	RD	2840	.005	.035		TRAP	12	2			
			HEC-1 INPUT								
LINE	ID	.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10									
1262	KK	PAT	PATRICIAN DRIVE BASIN								
1263	BA	1.02									
1264	PH		0.001	0.50	0.91	1.52	1.71	1.84	2.13	2.60	3.06
1265	LS		71								
1266	UD	0.98									
1267	KK	CP PAT	COMBINE BER WITH BASIN PAT HYDROGRAPH								
1268	HC	2									
1269	KK	CP LEM	COMBINE FLOWS FROM BER, PAT & CP LD2								
1270	HC	2									
1271	KK	CB LLK	COMBINE FLOWS AT LEMMON LAKE - NOT THE TOTAL FLOW @ LEMMON LAKE								
1272	HC	2									
			*								
1273	KK	LV5	LEMMON VALLEY BASIN 5								
1274	BA	2.56									

1275	PH		0.001	0.46	0.84	1.40	1.56	1.69	1.94	2.36	2.78
1276	LS		69								
1277	UD	1.53									
1278	KK	RT LV3	ROUTE LV5 HYDROGRAPH TO CONC PT LV3								
1279	RD	5910	.013	.040		TRAP	10	50			
1280	KK	LV3	LEMMON VALLEY BASIN 3								
1281	BA	2.50									
1282	PH		0.001	0.51	0.92	1.53	1.72	1.86	2.15	2.61	3.06
1283	LS		73								
1284	UD	0.96									
1285	KK	CP LV3	COMBINE LV5 & LV3 HYDROGRAPHS AT CONC PT LV3								
1286	HC	2									
1287	KK	LV4	LEMMON VALLEY BASIN 4								
1288	BA	5.22									
1289	PH		0.001	0.46	0.83	1.38	1.54	1.66	1.92	2.33	2.73
1290	LS		73								
1291	UD	1.41									
1292	KK	RT LV2	ROUTE LV4 HYDROGRAPH TO CONC PT LV2								
1293	RD	8360	.006	.040		TRAP	10	50			
1294	KK	LV2	LEMMON VALLEY BASIN 2								
1295	BA	7.02									
1296	PH		0.001	0.54	0.98	1.64	1.84	1.99	2.31	2.81	3.31
1297	LS		70								
1298	UD	1.63									

HEC-1 INPUT

PAGE 37

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1299	KK	CP LV2	COMBINE LV4 & LV2 HYDROGRAPHS AT CONC PT LV2								
1300	HC	2									
1301	KK	LV1	LEMMON VALLEY BASIN 1								
1302	BA	0.85									
1303	PH		0.001	0.59	1.08	1.79	1.99	2.15	2.46	3.05	3.64
1304	LS		73								
1305	UD	0.46									
1306	KK	RT LLK	ROUTE LV1 HYDROGRAPH TO LEMMON LAKE								
1307	RD	1400	.018	.035		TRAP	3	2			
1308	KK	LLK	LEMMON LAKE BASIN								
1309	BA	3.34									
1310	PH		0.001	0.57	1.04	1.74	1.94	2.09	2.40	2.95	3.51
1311	LS		85								
1312	UD	0.33									
1313	KK	CP LLK	TOTAL FLOW @ LEMMON LAKE								
1314	HC	5									

*
 * LEMMON LAKE PLAYA STAGE-STORAGE INFORMATION IS FROM NIMBUS ENGINEERS
 * FEMA FIS, HYDROLOGIC ANALYSIS OF SILVER LAKE AND LEMMON VALLEY PLAYAS,
 * DATED REVISED DECEMBER 1987.
 *

1315	KK	LLWSE	LEMMON LAKE 100-YEAR, 24-HOUR EVENT WSEL								
	*		INITIAL LAKE STORAGE = 5-year, 24-hour from the Nimbus Report								
1316	RS	1	STOR	2108							
1317	SA	0	1	3.2	21.6	194.2	486.7	686.4	794.8	872.8	940.3
1318	SA	1000.5	1075.1	1215	1365	1480	1644	3650			
1319	SQ	0	0	0	0	0	0	0	0	0	0
1320	SQ	0	0	0	0	0	0	0			
1321	SE	4905	4906	4907	4908	4909	4910	4911	4912	4913	4914
1322	SE	4915	4916	4917	4918	4919	4920	4940			
	*										
1323	ZZ										

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*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
*   MAY 1991
*   VERSION 4.0.1E
*   Lahey F77L-EM/32 version 5.01
*   Dodson & Associates, Inc.
* RUN DATE 01/19/00 TIME 08:32:42
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 551-1748
*****

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CITY OF RENO / STEAD DRAINAGE MASTER PLAN HEC-1 MODEL
 PREPARED FOR CITY OF RENO, WASHOE COUNTY, NEVADA

100-YEAR, 24-HOUR EVENT EXISTING CONDITIONS HYDROLOGIC MODEL
 PREPARED BY STANTEC CONSULTING, SPARKS, NEVADA
 JOB # :26000208
 FILE NAME: EX_100.DAT
 DATE: APRIL 1999

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*****
BALANCED STORM DISTRIBUTION (PH CARDS)
RAINFALL DEPTH FROM SSPFS, 1997
SCS CURVE NUMBER METHOD
MUSKINGUM CUNGE ROUTING
*****

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16 IO  OUTPUT CONTROL VARIABLES
      IPRNT      5  PRINT CONTROL
      IPLOT      0  PLOT CONTROL
      QSCAL      0. HYDROGRAPH PLOT SCALE

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IT  HYDROGRAPH TIME DATA
     NMIN      5  MINUTES IN COMPUTATION INTERVAL
     IDATE     1  0  STARTING DATE
     ITIME     0000 STARTING TIME
     NQ       1200 NUMBER OF HYDROGRAPH ORDINATES
     NDDATE    5  0  ENDING DATE
     NDDATE    0355 ENDING TIME
     ICENT     19  CENTURY MARK

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COMPUTATION INTERVAL 0.08 HOURS
 TOTAL TIME BASE 99.92 HOURS

ENGLISH UNITS
 DRAINAGE AREA SQUARE MILES

PRECIPITATION DEPTH INCHES
 LENGTH, ELEVATION FEET
 FLOW CUBIC FEET PER SECOND
 STORAGE VOLUME ACRE-FEET
 SURFACE AREA ACRES
 TEMPERATURE DEGREES FAHRENHEIT

JP MULTI-PLAN OPTION
 NPLAN 1 NUMBER OF PLANS

JR MULTI-RATIO OPTION
 RATIOS OF PRECIPITATION
 1.00 0.99 0.98 0.97 0.96 0.95

*** FDKRUT - NEWTON RAPHSON FAILEDFIXED POINT ITERATION USED - ITERATION= 1




*** FDKRUT - NEWTON RAPHSON FAILEDFIXED POINT ITERATION USED - ITERATION= 1

*** FDKRUT WARNING TIME STEP CALCULATION FAILED TO CONVERGE. STABILITY PROBLEMS MAY RESULT

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
 TIME TO PEAK IN HOURS

OPERATION	STATION	AREA	PLAN	RATIOS APPLIED TO PRECIPITATION						
				RATIO 1 1.00	RATIO 2 0.99	RATIO 3 0.98	RATIO 4 0.97	RATIO 5 0.96	RATIO 6 0.95	
HYDROGRAPH AT										
+	FR1	13.01	1 FLOW	3011.	2954.	2897.	2840.	2784.	2728.	
			TIME	14.42	14.42	14.42	14.42	14.50	14.50	
HYDROGRAPH AT										
+	FR2	6.84	1 FLOW	1625.	1591.	1558.	1525.	1492.	1460.	
			TIME	13.83	13.83	13.83	13.83	13.83	13.83	
2 COMBINED AT										
+	CP FRD	19.85	1 FLOW	4477.	4390.	4303.	4216.	4130.	4044.	
			TIME	14.17	14.17	14.17	14.17	14.17	14.17	
ROUTED TO										
+	RT K4A	19.85	1 FLOW	4471.	4384.	4298.	4211.	4125.	4039.	
			TIME	14.67	14.67	14.67	14.67	14.67	14.67	
HYDROGRAPH AT										
+	RR1	4.23	1 FLOW	1585.	1558.	1532.	1505.	1479.	1453.	
			TIME	13.75	13.75	13.75	13.75	13.75	13.75	
ROUTED TO										
+	RT K4B	4.23	1 FLOW	1584.	1557.	1531.	1504.	1478.	1452.	

				TIME	13.83	13.83	13.83	13.83	13.83	13.83
ROUTED TO										
+	RT K4C	4.23	1	FLOW	1580.	1555.	1530.	1502.	1475.	1449.
				TIME	13.92	13.92	13.92	13.92	13.92	13.92
HYDROGRAPH AT										
+	SK4	6.25	1	FLOW	1926.	1887.	1849.	1811.	1773.	1736.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
3 COMBINED AT										
+	CP SK4	30.33	1	FLOW	6998.	6861.	6725.	6588.	6452.	6317.
				TIME	14.25	14.25	14.25	14.25	14.25	14.25
ROUTED TO										
+	RT SK3	30.33	1	FLOW	6975.	6839.	6704.	6568.	6433.	6299.
				TIME	14.67	14.67	14.67	14.67	14.67	14.67
HYDROGRAPH AT										
+	SK3	7.81	1	FLOW	2758.	2712.	2666.	2620.	2574.	2528.
				TIME	13.75	13.75	13.75	13.75	13.75	13.75
2 COMBINED AT										
+	CP SK3	38.14	1	FLOW	9014.	8838.	8662.	8484.	8308.	8133.
				TIME	14.42	14.42	14.42	14.42	14.42	14.42
ROUTED TO										
+	RT K2A	38.14	1	FLOW	8954.	8778.	8601.	8426.	8253.	8082.
				TIME	14.58	14.58	14.58	14.67	14.67	14.67
HYDROGRAPH AT										
+	SK2	2.40	1	FLOW	904.	888.	873.	857.	841.	826.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
2 COMBINED AT										
+	CP SK2	40.54	1	FLOW	9413.	9228.	9045.	8859.	8675.	8492.
				TIME	14.58	14.58	14.58	14.58	14.58	14.58
HYDROGRAPH AT										
+	SK1	1.60	1	FLOW	718.	704.	691.	677.	663.	650.
				TIME	13.00	13.00	13.00	13.00	13.00	13.00
2 COMBINED AT										
+	CB SLK	42.14	1	FLOW	9573.	9386.	9200.	9012.	8825.	8639.
				TIME	14.58	14.58	14.58	14.58	14.58	14.58
HYDROGRAPH AT										
+	PW6	1.21	1	FLOW	286.	279.	272.	265.	258.	251.
				TIME	13.25	13.25	13.25	13.25	13.25	13.25
DIVERSION TO										
+	60PW6	1.21	1	FLOW	214.	214.	214.	214.	214.	214.
				TIME	12.83	12.92	12.92	12.92	12.92	13.00
HYDROGRAPH AT										
+	DV PW6	1.21	1	FLOW	72.	65.	58.	51.	44.	37.
				TIME	13.25	13.25	13.25	13.25	13.25	13.25
ROUTED TO										
+	RT RR1	1.21	1	FLOW	72.	65.	58.	51.	44.	37.

				TIME	13.33	13.33	13.33	13.33	13.33	13.33	
HYDROGRAPH AT											
+		PW5	0.90	1	FLOW	208.	203.	198.	193.	188.	183.
					TIME	13.33	13.33	13.33	13.33	13.33	13.33
DIVERSION TO											
+		RR&NV	0.90	1	FLOW	130.	127.	123.	120.	116.	113.
					TIME	13.33	13.33	13.33	13.33	13.33	13.33
HYDROGRAPH AT											
+		DV PW5	0.90	1	FLOW	78.	76.	75.	73.	71.	70.
					TIME	13.33	13.33	13.33	13.33	13.33	13.33
HYDROGRAPH AT											
+		RR1	0.02	1	FLOW	21.	20.	20.	19.	19.	19.
					TIME	12.25	12.25	12.25	12.25	12.25	12.25
3 COMBINED AT											
+		CP RR1	2.13	1	FLOW	151.	142.	134.	125.	117.	109.
					TIME	13.33	13.33	13.33	13.33	13.33	13.33
DIVERSION TO											
+		24RR1	2.13	1	FLOW	30.	30.	30.	30.	30.	30.
					TIME	12.17	12.17	12.17	12.17	12.25	12.25
HYDROGRAPH AT											
+		DV RR1	2.13	1	FLOW	121.	112.	104.	95.	87.	79.
					TIME	13.33	13.33	13.33	13.33	13.33	13.33
ROUTED TO											
+		RT R3C	2.13	1	FLOW	120.	111.	103.	94.	86.	78.
					TIME	13.42	13.42	13.42	13.42	13.42	13.42
HYDROGRAPH AT											
+		SS2	0.10	1	FLOW	74.	72.	70.	69.	67.	66.
					TIME	12.42	12.42	12.42	12.42	12.42	12.42
HYDROGRAPH AT											
+		60RCP	0.00	1	FLOW	214.	214.	214.	214.	214.	214.
					TIME	12.83	12.92	12.92	12.92	12.92	13.00
ROUTED TO											
+		RT SS2	0.00	1	FLOW	216.	215.	215.	215.	215.	215.
					TIME	12.92	13.00	13.00	13.00	13.00	13.08
HYDROGRAPH AT											
+		24CMP	0.00	1	FLOW	30.	30.	30.	30.	30.	30.
					TIME	12.17	12.17	12.17	12.17	12.25	12.25
3 COMBINED AT											
+		CP SS2	0.10	1	FLOW	269.	266.	263.	262.	262.	259.
					TIME	12.92	12.92	12.92	13.00	13.00	13.00
ROUTED TO											
+		RT R3D	0.10	1	FLOW	266.	264.	263.	262.	260.	259.
					TIME	12.92	13.00	13.00	13.00	13.00	13.08
2 COMBINED AT											
+		CB MOY	2.23	1	FLOW	373.	364.	356.	347.	339.	330.

				TIME	13.33	13.33	13.42	13.33	13.42	13.42	
	HYDROGRAPH AT										
+		PW1	0.42	1	FLOW	208.	203.	199.	195.	190.	186.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	DIVERSION TO										
+		48PW1	0.42	1	FLOW	107.	106.	106.	105.	104.	103.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	HYDROGRAPH AT										
+		DV PW1	0.42	1	FLOW	101.	97.	93.	90.	87.	83.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	DIVERSION TO										
+		24PW2	0.42	1	FLOW	13.	12.	12.	12.	12.	11.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	HYDROGRAPH AT										
+		DV PW2	0.42	1	FLOW	88.	85.	81.	78.	75.	72.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	ROUTED TO										
+		RT PW2	0.42	1	FLOW	87.	84.	80.	77.	74.	71.
					TIME	12.75	12.75	12.75	12.75	12.75	12.75
	HYDROGRAPH AT										
+		PW2	0.23	1	FLOW	124.	121.	118.	116.	113.	110.
					TIME	12.58	12.58	12.58	12.58	12.58	12.58
	2 COMBINED AT										
+		CP PW2	0.65	1	FLOW	206.	200.	194.	188.	183.	177.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	DIVERSION TO										
+		42PW2	0.65	1	FLOW	127.	127.	126.	126.	126.	125.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	HYDROGRAPH AT										
+		DV PW2	0.65	1	FLOW	79.	73.	68.	62.	57.	52.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	ROUTED TO										
+		RT PW3	0.65	1	FLOW	77.	71.	66.	60.	56.	50.
					TIME	12.67	12.67	12.67	12.67	12.67	12.67
	HYDROGRAPH AT										
+		PW3	1.02	1	FLOW	366.	358.	351.	343.	335.	328.
					TIME	13.08	13.08	13.08	13.08	13.08	13.08
	2 COMBINED AT										
+		CP PW3	1.67	1	FLOW	398.	386.	374.	362.	351.	340.
					TIME	12.83	12.83	12.83	12.83	12.92	12.92
	DIVERSION TO										
+		48PW3	1.67	1	FLOW	211.	209.	207.	205.	203.	202.
					TIME	12.83	12.83	12.83	12.83	12.92	12.92
	HYDROGRAPH AT										
+		DV PW3	1.67	1	FLOW	187.	177.	167.	157.	148.	138.

				TIME	12.83	12.83	12.83	12.83	12.92	12.92
HYDROGRAPH AT										
+	PW4	1.55	1	FLOW	459.	447.	436.	425.	414.	404.
				TIME	13.00	13.00	13.00	13.00	13.00	13.00
HYDROGRAPH AT										
+	RRINT	0.00	1	FLOW	130.	127.	123.	120.	116.	113.
				TIME	13.33	13.33	13.33	13.33	13.33	13.33
DIVERSION TO										
+	42PW4	0.00	1	FLOW	116.	116.	115.	115.	115.	113.
				TIME	13.33	13.33	13.33	13.33	13.33	13.33
HYDROGRAPH AT										
+	DV PW4	0.00	1	FLOW	14.	11.	8.	5.	1.	0.
				TIME	13.33	13.33	13.33	13.33	13.33	0.08
3 COMBINED AT										
+	CP PW4	3.22	1	FLOW	636.	615.	595.	576.	556.	537.
				TIME	12.92	13.00	13.00	13.00	13.00	13.00
ROUTED TO										
+	DET48	3.22	1	FLOW	299.	296.	293.	290.	288.	285.
				TIME	13.75	13.75	13.67	13.67	13.67	13.67
				** PEAK STAGES IN FEET **						
			1	STAGE	86.41	86.12	85.80	85.48	85.17	84.88
				TIME	13.75	13.75	13.67	13.67	13.67	13.67
ROUTED TO										
+	RT R4E	3.22	1	FLOW	299.	296.	293.	290.	287.	285.
				TIME	13.75	13.75	13.75	13.67	13.67	13.67
HYDROGRAPH AT										
+	48RCP	0.00	1	FLOW	107.	106.	106.	105.	104.	103.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
ROUTED TO										
+	RT R4A	0.00	1	FLOW	107.	107.	106.	105.	103.	102.
				TIME	12.83	12.83	12.83	12.83	12.83	12.92
HYDROGRAPH AT										
+	24RCP	0.00	1	FLOW	13.	12.	12.	12.	12.	11.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
ROUTED TO										
+	RT R4B	0.00	1	FLOW	13.	12.	12.	12.	12.	13.
				TIME	12.92	12.92	12.92	12.92	12.75	12.75
HYDROGRAPH AT										
+	42RCP	0.00	1	FLOW	127.	127.	126.	126.	126.	125.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
ROUTED TO										
+	RT R4C	0.00	1	FLOW	127.	126.	126.	126.	126.	126.
				TIME	12.67	12.75	12.75	12.75	12.75	12.75
HYDROGRAPH AT										
+	48RCP	0.00	1	FLOW	211.	209.	207.	205.	203.	202.

				TIME	12.83	12.83	12.83	12.83	12.92	12.92
ROUTED TO										
+	RT R4D	0.00	1	FLOW	210.	209.	207.	205.	203.	202.
				TIME	12.92	12.92	12.92	12.92	12.92	12.92
HYDROGRAPH AT										
+	GR4	0.39	1	FLOW	308.	302.	296.	290.	284.	278.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
6 COMBINED AT										
+	CP GR4	3.61	1	FLOW	888.	875.	865.	854.	843.	831.
				TIME	12.67	12.67	12.67	12.67	12.67	12.75
ROUTED TO										
+	RT R3A	3.61	1	FLOW	882.	869.	859.	849.	840.	830.
				TIME	12.67	12.67	12.67	12.75	12.75	12.75
HYDROGRAPH AT										
+	42RCP	0.00	1	FLOW	116.	116.	115.	115.	115.	113.
				TIME	13.33	13.33	13.33	13.33	13.33	13.33
ROUTED TO										
+	RT R3B	0.00	1	FLOW	116.	116.	115.	115.	115.	113.
				TIME	13.42	13.50	13.50	13.50	13.42	13.42
HYDROGRAPH AT										
+	GR3	0.11	1	FLOW	62.	61.	59.	58.	56.	55.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
COMBINED AT										
+	CP GR3	3.72	1	FLOW	974.	960.	948.	936.	924.	911.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75
2 COMBINED AT										
+	CP CHN	5.95	1	FLOW	1269.	1249.	1227.	1206.	1190.	1174.
				TIME	13.08	13.08	13.08	13.00	13.00	13.00
ROUTED TO										
+	RT SLB	5.95	1	FLOW	1267.	1246.	1225.	1206.	1188.	1171.
				TIME	13.17	13.17	13.17	13.08	13.08	13.08
HYDROGRAPH AT										
+	GR2	0.10	1	FLOW	83.	81.	80.	78.	77.	75.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
ROUTED TO										
+	RT SLA	0.10	1	FLOW	81.	80.	79.	78.	75.	74.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
HYDROGRAPH AT										
+	GR1	0.58	1	FLOW	501.	492.	482.	473.	464.	454.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
COMBINED AT										
+	CB SLK	48.77	1	FLOW	10355.	10151.	9948.	9743.	9539.	9337.
				TIME	14.50	14.50	14.50	14.50	14.50	14.58
HYDROGRAPH AT										
+	PA1	0.41	1	FLOW	203.	198.	193.	188.	183.	178.

				TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO										
+	RT SS1	0.41	1	FLOW	200.	195.	190.	185.	181.	176.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

HYDROGRAPH AT										
+	SS1A	0.02	1	FLOW	18.	18.	17.	17.	17.	16.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

HYDROGRAPH AT										
+	SS1B	0.01	1	FLOW	26.	26.	25.	25.	25.	24.
				TIME	12.08	12.08	12.08	12.08	12.08	12.08

ROUTED TO										
+	DT SS1	0.01	1	FLOW	23.	22.	20.	19.	17.	15.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

** PEAK STAGES IN FEET **										
1	STAGE	23.08	23.07	23.06	23.05	23.05	23.04			
	TIME	12.25	12.25	12.25	12.25	12.25	12.25			

3 COMBINED AT										
+	CP SS1	0.44	1	FLOW	216.	211.	206.	201.	196.	191.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

ROUTED TO										
+	RT SS3	0.44	1	FLOW	219.	213.	207.	202.	200.	194.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

HYDROGRAPH AT										
+	SS3	0.36	1	FLOW	467.	461.	455.	449.	442.	436.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

3 COMBINED AT										
+	CB SLK	49.57	1	FLOW	10401.	10196.	9992.	9787.	9581.	9378.
				TIME	14.50	14.50	14.50	14.50	14.50	14.58

HYDROGRAPH AT										
+	SL2	0.04	1	FLOW	51.	50.	50.	49.	48.	47.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO										
+	RT L3A	0.04	1	FLOW	50.	49.	48.	48.	46.	46.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

HYDROGRAPH AT										
+	SL3A	0.08	1	FLOW	103.	102.	100.	98.	97.	95.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

2 COMBINED AT										
+	C SL3A	0.12	1	FLOW	150.	148.	145.	144.	140.	139.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO										
+	DT L3A	0.12	1	FLOW	144.	144.	142.	138.	123.	113.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

** PEAK STAGES IN FEET **										
1	STAGE	13.71	13.71	13.71	13.69	13.65	13.61			

				TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO										
+	RT L3B	0.12	1	FLOW	118.	117.	116.	115.	109.	105.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	SL3B	0.05	1	FLOW	79.	78.	77.	76.	75.	74.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
2 COMBINED AT										
+	CB SL3	0.17	1	FLOW	155.	152.	150.	149.	142.	138.
				TIME	12.50	12.58	12.58	12.58	12.58	12.58
ROUTED TO										
+	RT GC3	0.17	1	FLOW	153.	150.	147.	145.	137.	133.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	GC3	0.12	1	FLOW	113.	111.	109.	106.	104.	102.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
2 COMBINED AT										
+	CB GC3	0.29	1	FLOW	234.	226.	221.	217.	214.	210.
				TIME	12.50	12.50	12.33	12.33	12.33	12.33
2 COMBINED AT										
+	CB SLK	49.86	1	FLOW	10420.	10215.	10011.	9805.	9600.	9394.
				TIME	14.50	14.50	14.50	14.50	14.50	14.58
HYDROGRAPH AT										
+	PA2	0.25	1	FLOW	167.	163.	159.	155.	152.	148.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT SL1	0.25	1	FLOW	164.	160.	157.	153.	149.	146.
				TIME	12.33	12.33	12.33	12.42	12.42	12.42
HYDROGRAPH AT										
+	SL1	0.02	1	FLOW	33.	32.	32.	31.	31.	30.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
2 COMBINED AT										
+	CP SL1	0.27	1	FLOW	183.	179.	175.	170.	166.	163.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT C2A	0.27	1	FLOW	182.	177.	173.	169.	166.	162.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO										
+	RT C2B	0.27	1	FLOW	182.	173.	169.	166.	167.	160.
				TIME	12.50	12.58	12.58	12.50	12.50	12.50
HYDROGRAPH AT										
+	GC2	0.18	1	FLOW	142.	140.	137.	135.	132.	130.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
2 COMBINED AT										
+	CB GC2	0.45	1	FLOW	324.	312.	305.	300.	299.	290.

				TIME	12.50	12.50	12.58	12.50	12.50	12.50
HYDROGRAPH AT										
+	PA3	0.10	1	FLOW	67.	66.	64.	63.	61.	60.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT LEA	0.10	1	FLOW	66.	64.	63.	61.	60.	58.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
DIVERSION TO										
+	30SLE	0.10	1	FLOW	16.	14.	13.	11.	10.	8.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
HYDROGRAPH AT										
+	DV SLE	0.10	1	FLOW	50.	50.	50.	50.	50.	50.
				TIME	12.25	12.25	12.25	12.25	12.33	12.33
ROUTED TO										
+	RT LEC	0.10	1	FLOW	50.	50.	50.	50.	50.	50.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
ROUTED TO										
+	RT C1A	0.10	1	FLOW	53.	53.	52.	52.	52.	51.
				TIME	12.42	12.42	12.42	12.42	12.42	12.50
HYDROGRAPH AT										
+	GC1	0.25	1	FLOW	223.	219.	215.	211.	207.	203.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
COMBINED AT										
+	CB GC1	0.35	1	FLOW	275.	271.	267.	263.	259.	254.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
HYDROGRAPH AT										
+	PW7	1.25	1	FLOW	302.	295.	289.	282.	275.	269.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
DIVERSION TO										
+	RRPW7	1.25	1	FLOW	149.	143.	137.	131.	125.	119.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+	DV PW7	1.25	1	FLOW	153.	152.	152.	151.	150.	150.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
ROUTED TO										
+	RT PA4	1.25	1	FLOW	153.	152.	152.	151.	150.	150.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+	PA4	0.02	1	FLOW	22.	22.	22.	21.	21.	20.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
COMBINED AT										
+	CP PA4	1.27	1	FLOW	154.	153.	153.	152.	151.	151.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
DIVERSION TO										
+	24PA4	1.27	1	FLOW	90.	89.	89.	88.	88.	87.

				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+	DV PA4	1.27	1	FLOW	64.	64.	64.	64.	64.	64.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
ROUTED TO										
+	RT PA6	1.27	1	FLOW	64.	64.	64.	64.	64.	64.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+	PA6	0.01	1	FLOW	11.	11.	10.	10.	10.	10.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
2 COMBINED AT										
+	CP PA6	1.28	1	FLOW	65.	64.	64.	64.	64.	64.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
DIVERSION TO										
+	36PA6	1.28	1	FLOW	6.	6.	6.	6.	6.	6.
				TIME	13.42	13.42	13.42	13.50	13.50	13.50
HYDROGRAPH AT										
+	DV PA6	1.28	1	FLOW	59.	59.	59.	59.	58.	58.
				TIME	13.42	13.42	13.42	13.50	13.50	13.50
ROUTED TO										
+	RT A7B	1.28	1	FLOW	59.	59.	59.	59.	58.	58.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+	PA5	0.00	1	FLOW	6.	6.	6.	5.	5.	5.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
ROUTED TO										
+	RT A7A	0.00	1	FLOW	5.	5.	5.	5.	5.	5.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
HYDROGRAPH AT										
+	PA7	0.02	1	FLOW	18.	18.	17.	17.	17.	16.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
3 COMBINED AT										
+	CP PA7	1.30	1	FLOW	78.	77.	75.	74.	73.	72.
				TIME	12.33	12.33	12.33	12.33	12.42	12.42
ROUTED TO										
+	RT SDA	1.30	1	FLOW	77.	76.	75.	74.	73.	72.
				TIME	12.33	12.33	12.33	12.42	12.42	12.42
ROUTED TO										
+	RT SDB	1.30	1	FLOW	77.	76.	75.	74.	72.	71.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
HYDROGRAPH AT										
+	AW1	0.04	1	FLOW	27.	26.	26.	25.	25.	24.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
HYDROGRAPH AT										
+	PW7SP	0.00	1	FLOW	149.	143.	137.	131.	125.	119.

TIME 13.50 13.50 13.50 13.50 13.50 13.50

2 COMBINED AT

+	CP AW1	0.04	1	FLOW	152.	146.	139.	133.	127.	121.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

DIVERSION TO

+	RRAW1	0.04	1	FLOW	116.	110.	104.	98.	92.	86.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

HYDROGRAPH AT

+	DV AW1	0.04	1	FLOW	35.	35.	35.	35.	35.	35.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

ROUTED TO

+	RT AWC	0.04	1	FLOW	35.	35.	35.	35.	35.	35.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

ROUTED TO

+	RT AWD	0.04	1	FLOW	35.	35.	35.	35.	35.	35.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

HYDROGRAPH AT

+	AW2	0.36	1	FLOW	109.	106.	104.	101.	98.	96.
				TIME	13.00	13.00	13.00	13.00	13.00	13.00

HYDROGRAPH AT

+	AW1SP	0.00	1	FLOW	116.	110.	104.	98.	92.	86.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

ROUTED TO

+	RT AW1	0.00	1	FLOW	116.	110.	104.	98.	92.	86.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50

2 COMBINED AT

+	CP AW2	0.36	1	FLOW	196.	188.	180.	172.	164.	156.
				TIME	13.33	13.33	13.33	13.33	13.33	13.33

ROUTED TO

+	DET36	0.36	1	FLOW	135.	133.	132.	130.	129.	128.
				TIME	13.92	13.83	13.83	13.83	13.75	13.75

** PEAK STAGES IN FEET **

1	STAGE	5304.07	5303.37	5302.73	5302.10	5301.54	5301.01
	TIME	13.92	13.83	13.83	13.83	13.75	13.75

ROUTED TO

+	RT AWE	0.36	1	FLOW	135.	133.	132.	130.	129.	128.
				TIME	13.92	13.92	13.83	13.83	13.75	13.75

DIVERSION TO

+	36AW3	0.36	1	FLOW	45.	45.	45.	45.	45.	45.
				TIME	12.67	12.67	12.67	12.67	12.67	12.75




HYDROGRAPH AT

+	DV A36	0.36	1	FLOW	90.	88.	87.	85.	84.	83.
				TIME	13.92	13.92	13.83	13.83	13.75	13.75

ROUTED TO




+	RT AWF	0.36	1	FLOW	90.	88.	87.	85.	84.	82.
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				TIME	13.92	13.92	13.92	13.83	13.83	13.75
HYDROGRAPH AT										
+	●	2-24	0.00	1 FLOW	90.	89.	89.	88.	88.	87.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
ROUTED TO										
+		RT AWA	0.00	1 FLOW	90.	89.	89.	88.	88.	87.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
DIVERSION TO										
+		18AW3	0.00	1 FLOW	16.	15.	15.	15.	15.	15.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+		DV 18	0.00	1 FLOW	74.	74.	73.	73.	72.	72.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
ROUTED TO										
+		RT AWB	0.00	1 FLOW	74.	74.	73.	73.	72.	72.
				TIME	13.50	13.50	13.58	13.58	13.58	13.58
HYDROGRAPH AT										
+		AW3	0.11	1 FLOW	135.	132.	130.	128.	125.	123.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
4 COMBINED AT										
+		CP AW3	0.51	1 FLOW	205.	203.	201.	199.	197.	195.
				TIME	13.75	13.75	13.75	13.67	13.67	13.58
DIVERSION TO										
+		30AW3	0.51	1 FLOW	31.	31.	31.	31.	31.	31.
				TIME	13.75	13.75	13.67	13.67	13.67	13.58
HYDROGRAPH AT										
+		DV A30	0.51	1 FLOW	174.	172.	170.	168.	166.	164.
				TIME	13.75	13.75	13.75	13.67	13.67	13.58
ROUTED TO										
+		RT RSC	0.51	1 FLOW	174.	172.	170.	168.	166.	164.
				TIME	13.83	13.75	13.75	13.75	13.75	13.67
HYDROGRAPH AT										
+		36RCP	0.00	1 FLOW	6.	6.	6.	6.	6.	6.
				TIME	13.42	13.42	13.42	13.50	13.50	13.50
ROUTED TO										
+		RT RSA	0.00	1 FLOW	6.	6.	6.	6.	6.	6.
				TIME	13.50	13.50	13.50	13.58	13.58	13.58
HYDROGRAPH AT										
+		18CMP	0.00	1 FLOW	16.	15.	15.	15.	15.	15.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
ROUTED TO										
+	●	RT RSB	0.00	1 FLOW	16.	15.	15.	15.	15.	15.
				TIME	13.58	13.58	13.58	13.58	13.58	13.58
HYDROGRAPH AT										
+		SRS	0.03	1 FLOW	27.	26.	26.	25.	25.	24.

				TIME	12.33	12.33	12.33	12.33	12.33	12.33
4 COMBINED AT										
+ 	CP SRS	0.54	1	FLOW TIME	197. 13.75	195. 13.75	193. 13.75	191. 13.75	189. 13.67	187. 13.67
ROUTED TO										
+	RT SDC	0.54	1	FLOW TIME	197. 13.83	195. 13.83	193. 13.75	191. 13.75	189. 13.75	187. 13.67
HYDROGRAPH AT										
+	30CMP	0.00	1	FLOW TIME	31. 13.75	31. 13.75	31. 13.67	31. 13.67	31. 13.67	31. 13.58
HYDROGRAPH AT										
+	36CMP	0.00	1	FLOW TIME	45. 12.67	45. 12.67	45. 12.67	45. 12.67	45. 12.67	45. 12.75
ROUTED TO										
+	RT AWG	0.00	1	FLOW TIME	45. 12.92	45. 12.92	45. 12.92	45. 12.92	45. 12.92	45. 12.92
2 COMBINED AT										
+ 	CP CHL	0.00	1	FLOW TIME	76. 13.75	76. 13.75	76. 13.67	76. 13.67	76. 13.67	76. 13.58
ROUTED TO										
+	RT I1A	0.00	1	FLOW TIME	76. 13.75	76. 13.75	76. 13.75	76. 13.75	76. 13.67	76. 13.67
DIVERSION TO										
+	36S11	0.00	1	FLOW TIME	47. 13.75	47. 13.75	47. 13.67	47. 13.67	47. 13.67	47. 13.58
HYDROGRAPH AT										
+	DV S11	0.00	1	FLOW TIME	29. 13.75	29. 13.75	29. 13.75	29. 13.67	29. 13.67	29. 13.67
HYDROGRAPH AT										
+	S11	0.04	1	FLOW TIME	41. 12.25	40. 12.25	39. 12.25	38. 12.25	38. 12.25	37. 12.25
2 COMBINED AT										
+	CP S11	0.04	1	FLOW TIME	42. 12.25	41. 12.25	40. 12.25	39. 12.25	38. 12.25	37. 12.25
DIVERSION TO										
+	STDBL1	0.04	1	FLOW TIME	21. 12.25	20. 12.25	19. 12.25	18. 12.25	17. 12.25	16. 12.25
HYDROGRAPH AT										
+	DV STD	0.04	1	FLOW TIME	21. 12.17	21. 12.17	21. 12.17	21. 12.17	21. 12.17	21. 12.17
DIVERSION TO										
+ 	24S11	0.04	1	FLOW TIME	21. 12.17	21. 12.17	21. 12.17	21. 12.17	21. 12.17	21. 12.17
HYDROGRAPH AT										
+	O-CFS	0.04	1	FLOW	0.	0.	0.	0.	0.	0.

				TIME	0.08	0.08	0.08	0.08	0.08	0.08
HYDROGRAPH AT										
+	36CMP	0.00	1	FLOW	47.	47.	47.	47.	47.	47.
				TIME	13.75	13.75	13.67	13.67	13.67	13.58
ROUTED TO										
+	RT S12	0.00	1	FLOW	47.	47.	47.	47.	47.	47.
				TIME	13.67	13.75	13.75	13.58	13.67	13.67
HYDROGRAPH AT										
+	S12	0.01	1	FLOW	12.	12.	11.	11.	11.	11.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
2 COMBINED AT										
+	CP S12	0.01	1	FLOW	48.	48.	48.	48.	48.	48.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
DIVERSION TO										
+	36S12	0.01	1	FLOW	37.	37.	37.	37.	37.	37.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
HYDROGRAPH AT										
+	DV S12	0.01	1	FLOW	11.	11.	11.	11.	11.	11.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
ROUTED TO										
+	RT T1A	0.01	1	FLOW	11.	11.	11.	11.	11.	11.
				TIME	12.83	12.83	12.83	12.83	12.83	12.92
ROUTED TO										
+	RT SDD	0.01	1	FLOW	11.	11.	11.	11.	11.	11.
				TIME	12.83	12.92	12.92	12.92	12.92	12.92
4 COMBINED AT										
+	CB RSD	1.89	1	FLOW	268.	266.	264.	262.	260.	258.
				TIME	13.83	13.75	13.75	13.75	13.67	13.58
HYDROGRAPH AT										
+	RSD	0.02	1	FLOW	35.	34.	34.	33.	33.	32.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
HYDROGRAPH AT										
+	PA3SP	0.00	1	FLOW	16.	14.	13.	11.	10.	8.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT LEB	0.00	1	FLOW	16.	14.	12.	11.	9.	8.
				TIME	12.50	12.50	12.50	12.50	12.58	12.58
HYDROGRAPH AT										
+	SLE	0.13	1	FLOW	148.	146.	143.	141.	139.	136.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
COMBINED AT										
+	CP SLE	0.13	1	FLOW	149.	146.	143.	141.	139.	136.
				TIME	12.42	12.33	12.33	12.33	12.33	12.33
DIVERSION TO										
+	STSLE	0.13	1	FLOW	121.	118.	115.	113.	111.	108.

				TIME	12.42	12.33	12.33	12.33	12.33	12.33
HYDROGRAPH AT										
+	DV SLE	0.13	1	FLOW	28.	28.	28.	28.	28.	28.
				TIME	12.00	12.00	12.00	12.00	12.00	12.08
3 COMBINED AT										
+	CP RSD	2.05	1	FLOW	281.	279.	277.	275.	273.	271.
				TIME	13.58	13.33	13.42	13.42	13.50	13.50
DIVERSION TO										
+	RRRSD	2.05	1	FLOW	201.	200.	198.	197.	195.	194.
				TIME	13.58	13.33	13.42	13.42	13.50	13.50
HYDROGRAPH AT										
+	DV RSD	2.05	1	FLOW	80.	79.	79.	79.	78.	78.
				TIME	13.58	13.33	13.42	13.42	13.50	13.50
ROUTED TO										
+	RT C1C	2.05	1	FLOW	82.	81.	80.	79.	78.	78.
				TIME	12.50	12.50	12.50	12.50	13.58	13.67
HYDROGRAPH AT										
+	RC SLE	0.00	1	FLOW	121.	118.	115.	113.	111.	108.
				TIME	12.42	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT C1B	0.00	1	FLOW	122.	119.	116.	114.	112.	109.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
COMBINED AT										
+	CP GC1	2.39	1	FLOW	470.	463.	456.	449.	442.	434.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO										
+	RT C2C	2.39	1	FLOW	466.	458.	449.	443.	436.	425.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO										
+	RT C2D	2.39	1	FLOW	463.	457.	447.	441.	433.	423.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
2 COMBINED AT										
+	CP GC2	2.85	1	FLOW	781.	769.	751.	740.	726.	712.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	UPR	0.14	1	FLOW	184.	182.	180.	177.	175.	173.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
3 COMBINED AT										
+	CB SLK	52.85	1	FLOW	10552.	10346.	10140.	9933.	9726.	9518.
				TIME	14.50	14.50	14.50	14.50	14.50	14.50
HYDROGRAPH AT										
+	LEA	0.14	1	FLOW	157.	155.	153.	151.	149.	147.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
DIVERSION TO										
+	30JCP	0.14	1	FLOW	18.	18.	18.	18.	18.	18.

				TIME	11.92	11.92	11.92	11.92	11.92	11.92
HYDROGRAPH AT										
+ 	DV JCP	0.14	1	FLOW	139.	137.	135.	133.	131.	129.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
DIVERSION TO										
+ 24LEA	0.14	1	FLOW	15.	15.	15.	15.	15.	15.	15.
				TIME	12.08	12.08	12.08	12.08	12.08	12.08
HYDROGRAPH AT										
+ DV LEA	0.14	1	FLOW	124.	122.	120.	118.	116.	114.	114.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+ 24CMP	0.00	1	FLOW	21.	21.	21.	21.	21.	21.	21.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
HYDROGRAPH AT										
+ 36RCP	0.00	1	FLOW	37.	37.	37.	37.	37.	37.	37.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
2 COMBINED AT										
+ CB STM	0.00	1	FLOW	58.	58.	58.	58.	58.	58.	58.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
DIVERSION TO										
+ 24ST1	0.00	1	FLOW	29.	29.	29.	29.	29.	29.	29.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
HYDROGRAPH AT										
+  DV ST1	0.00	1	FLOW	29.	29.	29.	29.	29.	29.	29.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
ROUTED TO										
+ RT T1D	0.00	1	FLOW	29.	29.	29.	29.	29.	29.	29.
				TIME	12.83	12.83	12.83	12.83	12.83	12.92
HYDROGRAPH AT										
+ RC STD	0.00	1	FLOW	21.	20.	19.	18.	17.	16.	16.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
ROUTED TO										
+ RT T1E	0.00	1	FLOW	20.	20.	19.	18.	17.	15.	15.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
HYDROGRAPH AT										
+ RC RSD	0.00	1	FLOW	201.	200.	198.	197.	195.	194.	194.
				TIME	13.58	13.33	13.42	13.42	13.50	13.50
ROUTED TO										
+ RT T1F	0.00	1	FLOW	201.	200.	198.	197.	195.	193.	193.
				TIME	13.58	13.42	13.42	13.42	13.50	13.50
HYDROGRAPH AT										
+  ST1	0.02	1	FLOW	26.	26.	26.	25.	25.	25.	25.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
4 COMBINED AT										
+ CP ST1	0.02	1	FLOW	270.	265.	259.	254.	251.	244.	244.

				TIME	12.42	12.33	12.33	12.42	12.42	12.42
ROUTED TO										
+	RT T2A	0.02	1	FLOW	270.	265.	259.	254.	250.	244.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
ROUTED TO										
+	RT T2C	0.02	1	FLOW	271.	267.	261.	258.	254.	247.
				TIME	12.50	12.50	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	ST2	0.40	1	FLOW	406.	400.	395.	389.	383.	378.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
DIVERSION TO										
+	18HZL	0.40	1	FLOW	16.	16.	16.	16.	16.	16.
				TIME	12.00	12.00	12.00	12.08	12.08	12.08
HYDROGRAPH AT										
+	DV HZL	0.40	1	FLOW	390.	384.	379.	373.	367.	362.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	RC JCP	0.00	1	FLOW	18.	18.	18.	18.	18.	18.
				TIME	11.92	11.92	11.92	11.92	11.92	11.92
ROUTED TO										
+	RT T2E	0.00	1	FLOW	18.	18.	18.	18.	18.	18.
				TIME	12.08	12.08	12.08	12.08	12.08	12.08
3 COMBINED AT										
+	CP ST2	0.42	1	FLOW	679.	669.	658.	649.	639.	627.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
DIVERSION TO										
+	54ST2	0.42	1	FLOW	65.	65.	65.	65.	65.	65.
				TIME	12.00	12.00	12.00	12.00	12.00	12.00
HYDROGRAPH AT										
+	DV ST2	0.42	1	FLOW	614.	604.	593.	584.	574.	562.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
2 COMBINED AT										
+	CP LEA	0.56	1	FLOW	738.	725.	712.	701.	690.	676.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
ROUTED TO										
+	RRDON	0.56	1	FLOW	473.	454.	432.	414.	399.	383.
				TIME	12.92	12.92	12.92	13.00	13.00	13.00
** PEAK STAGES IN FEET **										
			1	STAGE	4976.51	4976.48	4976.44	4976.42	4976.39	4976.36
				TIME	12.92	12.92	12.92	13.00	13.00	13.00
DIVERSION TO										
+	RRBOX	0.56	1	FLOW	25.	25.	25.	25.	25.	25.
				TIME	12.33	12.33	12.33	12.33	12.33	12.42
HYDROGRAPH AT										
+	DV BOX	0.56	1	FLOW	448.	429.	407.	389.	374.	358.

TIME 12.92 12.92 12.92 13.00 13.00 13.00

ROUTED TO

+ RT MO2 0.56 1 FLOW 434. 418. 404. 388. 370. 353.
TIME 13.00 13.08 13.08 13.08 13.08 13.08

HYDROGRAPH AT

+ ST3 0.53 1 FLOW 372. 366. 361. 356. 350. 345.
TIME 12.92 12.92 12.92 12.92 12.92 12.92

ROUTED TO

+ RT MO3 0.53 1 FLOW 371. 364. 359. 354. 348. 343.
TIME 13.00 13.00 13.00 13.00 13.00 13.00

ROUTED TO

+ RT MO4 0.53 1 FLOW 370. 363. 358. 354. 347. 343.
TIME 13.00 13.00 13.00 13.00 13.00 13.00

HYDROGRAPH AT

+ MOY 1.17 1 FLOW 575. 566. 558. 549. 540. 532.
TIME 13.33 13.33 13.33 13.33 13.33 13.33

3 COMBINED AT

+ CP MOY 2.26 1 FLOW 1336. 1307. 1280. 1252. 1219. 1190.
TIME 13.08 13.08 13.08 13.08 13.08 13.08

ROUTED TO

+ DETMO 2.26 1 FLOW 139. 136. 132. 129. 126. 123.
TIME 18.25 18.33 18.33 18.42 18.50 18.50

** PEAK STAGES IN FEET **

1 STAGE 4970.81 4970.77 4970.74 4970.70 4970.67 4970.64
TIME 18.08 18.25 18.33 18.25 18.33 18.42

ROUTED TO

+ RT K2B 2.26 1 FLOW 139. 136. 132. 129. 126. 123.
TIME 18.58 18.67 18.75 18.75 18.83 18.83

HYDROGRAPH AT

+ SLK 1.32 1 FLOW 2328. 2301. 2274. 2247. 2221. 2194.
TIME 12.33 12.33 12.33 12.33 12.33 12.33

3 COMBINED AT

+ CP SLK 56.43 1 FLOW 10742. 10532. 10322. 10111. 9900. 9688.
TIME 14.50 14.50 14.50 14.50 14.50 14.50

ROUTED TO

+ SLWSE 56.43 1 FLOW 0. 0. 0. 0. 0. 0.
TIME 0.08 0.08 0.08 0.08 0.08 0.08

** PEAK STAGES IN FEET **

1 STAGE 4965.40 4965.32 4965.24 4965.15 4965.07 4964.99
TIME 99.92 99.58 99.75 98.58 98.75 99.25

HYDROGRAPH AT

+ PE1A 0.05 1 FLOW 40. 40. 39. 38. 37. 36.
TIME 12.33 12.33 12.33 12.33 12.33 12.33

ROUTED TO

+ SRT9C 0.05 1 FLOW 10. 10. 9. 9. 9. 8.

TIME 12.83 12.83 12.83 12.83 12.83 12.83

** PEAK STAGES IN FEET **

1 STAGE 91.90 91.84 91.78 91.72 91.66 91.61
TIME 12.83 12.83 12.83 12.83 12.83 12.83

ROUTED TO

+ RT SBG 0.05 1 FLOW 10. 10. 9. 9. 9. 8.
TIME 12.92 12.92 12.92 12.92 12.92 12.92

HYDROGRAPH AT

+ PE1B 0.11 1 FLOW 78. 77. 75. 73. 72. 70.
TIME 12.42 12.42 12.42 12.42 12.42 12.42

ROUTED TO

+ SRT9B 0.11 1 FLOW 49. 47. 45. 44. 42. 41.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

** PEAK STAGES IN FEET **

1 STAGE 103.13 103.07 103.00 102.92 102.84 102.75
TIME 12.67 12.67 12.67 12.67 12.67 12.67

DIVERSION TO

+ PE1-RR 0.11 1 FLOW 10. 8. 6. 5. 4. 3.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

HYDROGRAPH AT

+ DV PE1 0.11 1 FLOW 40. 39. 39. 39. 38. 38.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

ROUTED TO

+ RT SBA 0.11 1 FLOW 39. 39. 39. 38. 38. 38.
TIME 12.67 12.67 12.67 12.75 12.75 12.75

2 COMBINED AT

+ CB PE1 0.16 1 FLOW 49. 48. 48. 47. 46. 46.
TIME 12.75 12.75 12.75 12.75 12.75 12.75

ROUTED TO

+ RT SBB 0.16 1 FLOW 49. 48. 48. 47. 46. 46.
TIME 12.83 12.83 12.83 12.83 12.83 12.83

HYDROGRAPH AT

+ PE2 0.35 1 FLOW 169. 165. 162. 159. 155. 152.
TIME 12.75 12.75 12.75 12.75 12.75 12.75

HYDROGRAPH AT

+ RC DIV 0.00 1 FLOW 10. 8. 6. 5. 4. 3.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

ROUTED TO

+ RT E1S 0.00 1 FLOW 9. 7. 6. 5. 4. 3.
TIME 12.75 12.75 12.75 12.75 12.75 12.75

COMBINED AT

+ CP PE2 0.35 1 FLOW 178. 173. 168. 163. 159. 155.
TIME 12.75 12.75 12.75 12.75 12.75 12.75



DIVERSION TO

+ RRPE2 0.35 1 FLOW 75. 73. 71. 70. 68. 66.

				TIME	12.75	12.75	12.75	12.75	12.75	12.75	
	HYDROGRAPH AT										
+	DV PE2	0.35	1	FLOW	103.	100.	97.	94.	91.	89.	
				TIME	12.75	12.75	12.75	12.75	12.75	12.75	
	ROUTED TO										
+	RT SBC	0.35	1	FLOW	102.	99.	96.	94.	91.	88.	
				TIME	12.75	12.75	12.75	12.75	12.75	12.75	
	ROUTED TO										
+	RT SBD	0.35	1	FLOW	103.	99.	96.	94.	91.	88.	
				TIME	12.83	12.83	12.83	12.83	12.83	12.83	
	HYDROGRAPH AT										
+	PE3	0.09	1	FLOW	84.	82.	80.	79.	77.	76.	
				TIME	12.33	12.33	12.33	12.33	12.33	12.33	
	HYDROGRAPH AT										
+	PE2SP	0.00	1	FLOW	75.	73.	71.	70.	68.	66.	
				TIME	12.75	12.75	12.75	12.75	12.75	12.75	
	ROUTED TO										
+	RT PE3	0.00	1	FLOW	75.	73.	71.	69.	67.	66.	
				TIME	12.75	12.75	12.75	12.75	12.75	12.83	
	2 COMBINED AT										
+	CP PE3	0.09	1	FLOW	127.	124.	122.	119.	117.	114.	
				TIME	12.50	12.50	12.50	12.50	12.50	12.50	
	DIVERSION TO										
+	RRPE3	0.09	1	FLOW	94.	91.	89.	87.	84.	82.	
				TIME	12.50	12.50	12.50	12.50	12.50	12.50	
	HYDROGRAPH AT										
+	DV PE3	0.09	1	FLOW	33.	33.	33.	33.	33.	33.	
				TIME	12.50	12.50	12.50	12.50	12.50	12.50	
	ROUTED TO										
+	RT SBE	0.09	1	FLOW	33.	33.	33.	33.	33.	32.	
				TIME	12.50	12.50	12.50	12.50	12.50	12.50	
	ROUTED TO										
+	RT SBF	0.09	1	FLOW	33.	33.	33.	33.	33.	33.	
				TIME	12.58	12.58	12.58	12.58	12.58	12.58	
	HYDROGRAPH AT										
+	ESB	0.39	1	FLOW	290.	284.	278.	271.	265.	259.	
				TIME	12.33	12.33	12.33	12.33	12.33	12.33	
	4 COMBINED AT										
+	CP ESB	0.99	1	FLOW	377.	370.	364.	357.	351.	344.	
				TIME	12.42	12.42	12.42	12.42	12.42	12.42	
	ROUTED TO										
+	ESB-DT	0.99	1	FLOW	336.	327.	315.	306.	297.	290.	
				TIME	12.58	12.58	12.58	12.67	12.67	12.67	


** PEAK STAGES IN FEET **

1	STAGE	95.07	95.05	95.03	95.01	94.99	94.95
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				TIME	12.58	12.58	12.58	12.67	12.67	12.67	
DIVERSION TO											
+		WR-ESB	0.99	1	FLOW	225.	217.	205.	196.	188.	183.
					TIME	12.58	12.58	12.58	12.67	12.67	12.67
HYDROGRAPH AT											
+		DV ESB	0.99	1	FLOW	111.	110.	110.	109.	109.	108.
					TIME	12.58	12.58	12.58	12.67	12.67	12.67
ROUTED TO											
+		RT SE1	0.99	1	FLOW	110.	110.	110.	109.	108.	107.
					TIME	12.67	12.67	12.67	12.67	12.75	12.67
HYDROGRAPH AT											
+		SE1	0.08	1	FLOW	60.	59.	58.	56.	55.	54.
					TIME	12.42	12.42	12.42	12.42	12.42	12.42
2 COMBINED AT											
+		CP SE1	1.07	1	FLOW	162.	160.	158.	156.	154.	152.
					TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO											
+		RT SV6	1.07	1	FLOW	163.	161.	159.	156.	153.	151.
					TIME	12.75	12.75	12.75	12.75	12.75	12.83
HYDROGRAPH AT											
+		SV6	0.32	1	FLOW	288.	284.	280.	275.	271.	267.
					TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT											
+		SV7	0.07	1	FLOW	69.	68.	67.	65.	64.	63.
					TIME	12.33	12.33	12.33	12.33	12.33	12.33
3 COMBINED AT											
+		CP SV7	1.46	1	FLOW	472.	463.	455.	448.	443.	437.
					TIME	12.58	12.58	12.67	12.67	12.67	12.67
ROUTED TO											
+		SRT679	1.46	1	FLOW	145.	142.	138.	135.	131.	128.
					TIME	13.67	13.75	13.75	13.83	13.83	13.83

** PEAK STAGES IN FEET **

1	STAGE	75.04	74.97	74.90	74.83	74.76	74.69
	TIME	13.67	13.75	13.75	13.83	13.83	13.83

ROUTED TO											
+		RT V4A	1.46	1	FLOW	145.	142.	138.	135.	131.	128.
					TIME	13.75	13.75	13.75	13.83	13.83	13.92
ROUTED TO											
+		RT V4B	1.46	1	FLOW	145.	142.	138.	135.	131.	128.
					TIME	13.75	13.83	13.83	13.92	13.92	14.00
HYDROGRAPH AT											
+		SV4	0.11	1	FLOW	149.	147.	145.	142.	140.	138.
					TIME	12.25	12.25	12.25	12.25	12.25	12.25
2 COMBINED AT											
+		CP SV4	1.57	1	FLOW	154.	150.	146.	143.	140.	138.

				TIME	13.75	13.75	13.83	13.83	12.25	12.25
ROUTED TO										
+	RT MIL	1.57	1	FLOW	153.	150.	146.	143.	139.	135.
				TIME	13.83	13.83	13.83	13.92	13.92	14.00
HYDROGRAPH AT										
+	RC ST1	0.00	1	FLOW	29.	29.	29.	29.	29.	29.
				TIME	12.75	12.75	12.75	12.83	12.83	12.83
ROUTED TO										
+	RT E2A	0.00	1	FLOW	29.	29.	29.	29.	29.	29.
				TIME	12.83	12.83	12.83	12.83	12.83	12.92
ROUTED TO										
+	RT E2B	0.00	1	FLOW	29.	29.	29.	29.	29.	29.
				TIME	12.83	12.83	12.92	12.92	12.92	12.92
HYDROGRAPH AT										
+	SE2	0.09	1	FLOW	157.	155.	153.	151.	148.	146.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
2 COMBINED AT										
+	CP SE2	0.09	1	FLOW	183.	180.	178.	176.	173.	171.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
ROUTED TO										
+	RT SV3	0.09	1	FLOW	186.	184.	185.	183.	181.	180.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	SE3	0.05	1	FLOW	89.	88.	87.	86.	84.	83.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
ROUTED TO										
+	RT SV3	0.05	1	FLOW	92.	91.	89.	88.	87.	85.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
HYDROGRAPH AT										
+	SV3	0.28	1	FLOW	231.	227.	224.	221.	217.	214.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
3 COMBINED AT										
+	CB SV3	0.42	1	FLOW	498.	492.	489.	483.	477.	471.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
DIVERSION TO										
+	DET B	0.42	1	FLOW	125.	125.	125.	125.	125.	125.
				TIME	12.25	12.33	12.33	12.33	12.33	12.33
HYDROGRAPH AT										
+	DV SV3	0.42	1	FLOW	373.	367.	364.	358.	352.	346.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	RC SV3	0.00	1	FLOW	125.	125.	125.	125.	125.	125.
				TIME	12.25	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	SRT3,8	0.00	1	FLOW	80.	78.	76.	74.	71.	70.

TIME 13.92 13.92 14.00 14.00 14.08 14.08

** PEAK STAGES IN FEET **

1 STAGE 4964.10 4964.08 4964.06 4964.04 4964.01 4963.96
 TIME 13.92 13.92 14.00 14.00 14.08 14.08

2 COMBINED AT

+ CP SV3 0.42 1 FLOW 408. 402. 397. 390. 383. 376.
 TIME 12.58 12.58 12.58 12.58 12.58 12.58

ROUTED TO

+ RT MIL 0.42 1 FLOW 398. 395. 387. 374. 372. 364.
 TIME 12.58 12.58 12.58 12.58 12.58 12.58

HYDROGRAPH AT

+ SV5 0.03 1 FLOW 93. 92. 90. 89. 88. 87.
 TIME 12.08 12.08 12.08 12.08 12.08 12.08

HYDROGRAPH AT

+ SE4 0.01 1 FLOW 17. 16. 16. 16. 16. 15.
 TIME 12.25 12.25 12.25 12.25 12.25 12.25

2 COMBINED AT

+ CP SE4 0.04 1 FLOW 102. 101. 99. 98. 97. 95.
 TIME 12.08 12.08 12.08 12.08 12.08 12.08

ROUTED TO

+ RT A1A 0.04 1 FLOW 92. 90. 88. 87. 85. 84.
 TIME 12.17 12.17 12.17 12.17 12.17 12.17

HYDROGRAPH AT

+ RC HZL 0.00 1 FLOW 16. 16. 16. 16. 16. 16.
 TIME 12.00 12.00 12.00 12.08 12.08 12.08

ROUTED TO

+ RT A1D 0.00 1 FLOW 16. 16. 16. 16. 16. 16.
 TIME 12.08 12.08 12.08 12.17 12.17 12.17

2 COMBINED AT

+ CB SD 0.04 1 FLOW 108. 106. 104. 103. 101. 100.
 TIME 12.17 12.17 12.17 12.17 12.17 12.17

ROUTED TO

+ RT A1B 0.04 1 FLOW 85. 83. 83. 82. 83. 82.
 TIME 12.25 12.25 12.25 12.25 12.25 12.25

HYDROGRAPH AT

+ RC LEA 0.00 1 FLOW 15. 15. 15. 15. 15. 15.
 TIME 12.08 12.08 12.08 12.08 12.08 12.08

HYDROGRAPH AT

+ RC BOX 0.00 1 FLOW 25. 25. 25. 25. 25. 25.
 TIME 12.33 12.33 12.33 12.33 12.33 12.42
















COMBINED AT

+ CB BOX 0.00 1 FLOW 40. 40. 40. 40. 40. 40.
 TIME 12.33 12.33 12.33 12.33 12.33 12.42

ROUTED TO

+ RT M05 0.00 1 FLOW 40. 40. 40. 40. 40. 40.

				TIME	12.58	12.42	12.50	12.58	12.42	12.58
HYDROGRAPH AT										
+	RC ST2	0.00	1	FLOW	65.	65.	65.	65.	65.	65.
				TIME	12.00	12.00	12.00	12.00	12.00	12.00
2 COMBINED AT										
+	CB SD1	0.00	1	FLOW	105.	105.	105.	105.	105.	105.
				TIME	12.58	12.42	12.50	12.58	12.42	12.58
ROUTED TO										
+	RT T2D	0.00	1	FLOW	105.	105.	105.	105.	105.	105.
				TIME	13.17	13.17	13.17	13.17	13.17	13.17
2 COMBINED AT										
+	CB SD2	0.04	1	FLOW	166.	164.	164.	162.	163.	162.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
ROUTED TO										
+	RT A1C	0.04	1	FLOW	167.	164.	164.	162.	164.	162.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
HYDROGRAPH AT										
+	MA1	0.41	1	FLOW	191.	187.	183.	180.	176.	172.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83
2 COMBINED AT										
+	CP MA1	0.45	1	FLOW	329.	325.	321.	317.	314.	310.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75
HYDROGRAPH AT										
+	PE4	1.85	1	FLOW	654.	641.	628.	615.	602.	589.
				TIME	13.08	13.08	13.08	13.08	13.08	13.08
HYDROGRAPH AT										
+	PE3SP	0.00	1	FLOW	94.	91.	89.	87.	84.	82.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
ROUTED TO										
+	RT PE4	0.00	1	FLOW	93.	91.	88.	85.	83.	80.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
HYDROGRAPH AT										
+	ESB SP	0.00	1	FLOW	225.	217.	205.	196.	188.	183.
				TIME	12.58	12.58	12.58	12.67	12.67	12.67
3 COMBINED AT										
+	CP PE4	1.85	1	FLOW	884.	865.	846.	827.	808.	789.
				TIME	12.92	12.92	12.92	12.92	12.92	12.92
ROUTED TO										
+	RT ML1	1.85	1	FLOW	884.	866.	846.	825.	805.	785.
				TIME	13.17	13.17	13.17	13.17	13.17	13.08
HYDROGRAPH AT										
+	ML1	1.06	1	FLOW	307.	301.	295.	289.	282.	276.
				TIME	13.33	13.33	13.33	13.33	13.33	13.33
2 COMBINED AT										
+	CP ML1	2.91	1	FLOW	1185.	1161.	1135.	1108.	1081.	1055.

				TIME	12.58	12.58	12.58	12.58	12.58	12.58
ROUTED TO										
+ 	RT L2A	0.00	1	FLOW	138.	138.	139.	140.	141.	142.
				TIME	12.75	12.83	12.83	12.83	12.83	12.83
2 COMBINED AT										
+ 	CB BOX	5.52	1	FLOW	1056.	1038.	1024.	1012.	999.	986.
				TIME	12.75	12.83	12.83	12.83	12.83	12.83
ROUTED TO										
+ 	RT GP1	5.52	1	FLOW	1044.	1029.	1005.	991.	987.	979.
				TIME	12.83	12.83	12.83	12.92	12.92	12.92
HYDROGRAPH AT										
+ 	ML2	0.63	1	FLOW	117.	114.	110.	107.	104.	100.
				TIME	13.00	13.00	13.00	13.00	13.00	13.00
HYDROGRAPH AT										
+ 	RC ML2	0.00	1	FLOW	904.	880.	853.	826.	800.	773.
				TIME	13.17	13.17	13.17	13.17	13.17	13.17
ROUTED TO										
+ 	RT L2B	0.00	1	FLOW	896.	872.	847.	821.	796.	771.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
2 COMBINED AT										
+ 	CP ML2	0.63	1	FLOW	977.	950.	923.	896.	869.	841.
				TIME	13.50	13.50	13.50	13.50	13.50	13.50
HYDROGRAPH AT										
+ 	MA2	0.06	1	FLOW	37.	36.	35.	34.	33.	32.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+ 	RT GP2	0.06	1	FLOW	36.	35.	34.	34.	33.	32.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+ 	RT GP3	0.06	1	FLOW	35.	34.	33.	32.	32.	31.
				TIME	12.50	12.50	12.50	12.50	12.58	12.58
HYDROGRAPH AT										
+ 	SGP	0.26	1	FLOW	241.	238.	234.	230.	227.	223.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
2 COMBINED AT										
+ 	CP SGP	0.32	1	FLOW	276.	272.	267.	263.	258.	253.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
HYDROGRAPH AT										
+ 	LD1	0.33	1	FLOW	145.	142.	139.	136.	133.	130.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
ROUTED TO										
+ 	RT D3B	0.33	1	FLOW	144.	141.	138.	135.	132.	129.
				TIME	13.08	13.08	13.08	13.08	13.08	13.08
HYDROGRAPH AT										
+ 	LD3	0.80	1	FLOW	110.	107.	104.	101.	98.	95.

				TIME	13.50	13.50	13.50	13.50	13.50	13.50
+	2 COMBINED AT									
	CB LD3	1.13	1	FLOW	236.	230.	225.	219.	213.	208.
				TIME	13.08	13.08	13.08	13.08	13.08	13.17
+	4 COMBINED AT									
	CB LLK	7.60	1	FLOW	2056.	2022.	1973.	1910.	1862.	1815.
				TIME	13.17	13.17	13.17	13.33	13.33	13.33
+	HYDROGRAPH AT									
	PE5	2.53	1	FLOW	396.	386.	376.	366.	357.	347.
				TIME	13.75	13.75	13.75	13.75	13.75	13.75
+	ROUTED TO									
	DET33	2.53	1	FLOW	259.	242.	223.	203.	189.	174.
				TIME	14.67	14.75	14.83	14.92	15.00	15.08
				** PEAK STAGES IN FEET **						
			1	STAGE	52.75	52.67	52.59	52.49	52.37	52.24
				TIME	14.67	14.75	14.83	14.92	15.00	15.08
+	DIVERSION TO									
	RRPE5	2.53	1	FLOW	132.	117.	102.	86.	72.	58.
				TIME	14.67	14.75	14.83	14.92	15.00	15.08
+	HYDROGRAPH AT									
	DV PE5	2.53	1	FLOW	128.	124.	121.	117.	116.	116.
				TIME	14.67	14.75	14.83	14.92	15.00	15.08
+	ROUTED TO									
	RT HR1	2.53	1	FLOW	128.	125.	121.	117.	116.	116.
				TIME	14.67	14.75	14.83	14.92	15.00	15.17
+	HYDROGRAPH AT									
	HR1	0.09	1	FLOW	64.	63.	62.	60.	59.	58.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
+	2 COMBINED AT									
	CP HR1	2.62	1	FLOW	131.	128.	124.	120.	119.	119.
				TIME	14.67	14.75	14.83	15.33	15.42	15.42
+	ROUTED TO									
	RT H2A	2.62	1	FLOW	131.	127.	123.	120.	119.	119.
				TIME	14.67	14.75	14.92	15.42	15.42	15.42
+	ROUTED TO									
	RT H2B	2.62	1	FLOW	130.	127.	123.	120.	119.	119.
				TIME	14.75	14.75	14.92	15.42	15.42	15.42
+	HYDROGRAPH AT									
	HR2	0.03	1	FLOW	56.	55.	55.	54.	53.	52.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
+	COMBINED AT									
	CP HR2	2.65	1	FLOW	132.	128.	125.	122.	121.	121.
				TIME	14.75	14.75	14.92	15.42	15.42	15.42
+	ROUTED TO									
	RT G3A	2.65	1	FLOW	132.	128.	124.	122.	121.	121.

				TIME	14.75	14.83	14.92	15.42	15.42	15.50
ROUTED TO										
+	RT G3B	2.65	1	FLOW	131.	128.	124.	122.	121.	121.
				TIME	14.83	14.92	15.00	15.50	15.50	15.50

HYDROGRAPH AT										
+	HR3	0.10	1	FLOW	123.	121.	119.	117.	115.	113.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

ROUTED TO										
+	RT G3C	0.10	1	FLOW	121.	119.	117.	115.	114.	112.
				TIME	12.33	12.33	12.42	12.42	12.42	12.42

HYDROGRAPH AT										
+	PE6	0.10	1	FLOW	62.	61.	59.	58.	56.	55.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

HYDROGRAPH AT										
+	PE5SP	0.00	1	FLOW	132.	117.	102.	86.	72.	58.
				TIME	14.67	14.75	14.83	14.92	15.00	15.08

ROUTED TO										
+	RT 6SA	0.00	1	FLOW	130.	117.	102.	86.	72.	58.
				TIME	14.67	14.75	14.83	14.92	15.00	15.08

2 COMBINED AT										
+	CP PE6	0.10	1	FLOW	133.	120.	105.	88.	74.	60.
				TIME	14.67	14.75	14.83	14.92	15.00	15.08

ROUTED TO										
+	DET24	0.10	1	FLOW	49.	44.	39.	34.	29.	24.
				TIME	15.83	15.83	15.83	15.92	16.00	16.08

** PEAK STAGES IN FEET **							
1	STAGE	5239.32	5237.67	5235.98	5234.23	5232.40	5230.61
	TIME	15.83	15.83	15.83	15.92	16.00	16.08

DIVERSION TO										
+	RRPE6	0.10	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT										
+	DV PE6	0.10	1	FLOW	49.	44.	39.	34.	29.	24.
				TIME	15.83	15.83	15.83	15.92	16.00	16.08

ROUTED TO										
+	RT MGA	0.10	1	FLOW	49.	44.	39.	34.	29.	24.
				TIME	15.83	15.83	15.92	15.92	16.00	16.08

ROUTED TO										
+	RT MGB	0.10	1	FLOW	49.	44.	39.	34.	29.	24.
				TIME	15.92	15.92	16.00	16.00	16.08	16.25

HYDROGRAPH AT										
+	MG1	0.18	1	FLOW	173.	170.	167.	164.	161.	158.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

2 COMBINED AT										
+	CP MG1	0.28	1	FLOW	174.	171.	167.	164.	161.	158.

				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT G3D	0.28	1	FLOW	173.	169.	166.	163.	160.	157.
				TIME	12.42	12.42	12.42	12.50	12.50	12.50

HYDROGRAPH AT										
+	PE7	0.99	1	FLOW	427.	418.	408.	399.	390.	380.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

HYDROGRAPH AT										
+	PE6SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT										
+	CP PE7	0.99	1	FLOW	427.	418.	408.	399.	390.	380.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

ROUTED TO										
+	DET24	0.99	1	FLOW	425.	416.	407.	392.	370.	362.
				TIME	12.67	12.67	12.67	12.67	12.75	12.75

** PEAK STAGES IN FEET **

1	STAGE	32.97	32.95	32.93	32.90	32.85	32.83
	TIME	12.67	12.67	12.67	12.67	12.75	12.75

DIVERSION TO										
+	RRPE7	0.99	1	FLOW	313.	308.	304.	297.	286.	281.
				TIME	12.67	12.67	12.67	12.67	12.75	12.75

HYDROGRAPH AT										
+	DV PE7	0.99	1	FLOW	112.	108.	103.	95.	84.	80.
				TIME	12.67	12.67	12.67	12.67	12.75	12.75

ROUTED TO										
+	RT NV1	0.99	1	FLOW	108.	102.	98.	93.	83.	79.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75

HYDROGRAPH AT										
+	NV1	0.06	1	FLOW	82.	81.	80.	79.	77.	76.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17

2 COMBINED AT										
+	CP NV1	1.05	1	FLOW	119.	113.	108.	103.	94.	89.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75

ROUTED TO										
+	RT TP1	1.05	1	FLOW	120.	114.	109.	104.	93.	88.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83

HYDROGRAPH AT										
+	TP1	0.05	1	FLOW	53.	52.	51.	50.	49.	48.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

2 COMBINED AT										
+	CP TP1	1.10	1	FLOW	141.	138.	136.	133.	131.	129.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO										
+	RT G3E	1.10	1	FLOW	140.	137.	135.	133.	130.	127.

				TIME	12.33	12.33	12.33	12.33	12.33	12.33
ROUTED TO										
+	RT G3F	1.10	1	FLOW	146.	143.	140.	137.	134.	131.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
HYDROGRAPH AT										
+	GV3	0.34	1	FLOW	121.	118.	115.	113.	110.	107.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
5 COMBINED AT										
+	CP GV3	4.47	1	FLOW	604.	593.	581.	570.	559.	547.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
HYDROGRAPH AT										
+	PH1	0.11	1	FLOW	53.	52.	51.	50.	48.	47.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
HYDROGRAPH AT										
+	PE7SP	0.00	1	FLOW	313.	308.	304.	297.	286.	281.
				TIME	12.67	12.67	12.67	12.67	12.75	12.75
ROUTED TO										
+	RT HSA	0.00	1	FLOW	305.	301.	296.	292.	287.	279.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75
ROUTED TO										
+	RT HSB	0.00	1	FLOW	303.	299.	294.	288.	283.	273.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75
2 COMBINED AT										
+	CP PH1	0.11	1	FLOW	336.	331.	325.	319.	313.	303.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75
ROUTED TO										
+	DET24	0.11	1	FLOW	40.	39.	39.	38.	38.	38.
				TIME	13.92	13.83	13.83	13.83	13.83	13.83
** PEAK STAGES IN FEET **										
	1	STAGE		5206.24	5206.00	5205.77	5205.53	5205.30	5205.05	
		TIME		13.92	13.83	13.83	13.83	13.83	13.83	
DIVERSION TO										
+	RRPH1	0.11	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	13.83	13.83	13.83	13.83	13.83	0.08
HYDROGRAPH AT										
+	DV PH1	0.11	1	FLOW	39.	39.	39.	38.	38.	38.
				TIME	13.92	13.83	13.83	13.83	13.83	13.83
ROUTED TO										
+	RT TP2	0.11	1	FLOW	39.	39.	39.	38.	38.	38.
				TIME	14.00	13.92	13.92	13.92	13.92	13.92
HYDROGRAPH AT										
+	TP2	0.10	1	FLOW	101.	100.	98.	96.	94.	93.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
2 COMBINED AT										
+	CP TP2	0.21	1	FLOW	102.	100.	99.	97.	95.	93.

				TIME	12.25	12.25	12.25	12.25	12.25	12.25
HYDROGRAPH AT										
+	RH1	0.69	1	FLOW	443.	435.	427.	418.	410.	402.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
HYDROGRAPH AT										
+	PH1SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	13.83	13.83	13.83	13.83	13.83	0.08
2 COMBINED AT										
+	CB RH1	0.69	1	FLOW	443.	435.	427.	418.	410.	402.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
2 COMBINED AT										
+	CP RH1	0.90	1	FLOW	530.	520.	510.	500.	490.	480.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
ROUTED TO										
+	RT GV1	0.90	1	FLOW	528.	518.	508.	497.	487.	477.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
HYDROGRAPH AT										
+	GV1	3.13	1	FLOW	510.	497.	485.	473.	460.	448.
				TIME	13.42	13.42	13.42	13.42	13.42	13.42
2 COMBINED AT										
+	CP GV1	4.03	1	FLOW	700.	685.	670.	656.	641.	627.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
ROUTED TO										
+	RT GV2	4.03	1	FLOW	700.	685.	670.	655.	641.	626.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75
HYDROGRAPH AT										
+	GV2	0.58	1	FLOW	185.	180.	176.	171.	167.	162.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
3 COMBINED AT										
+	CP GV3	9.08	1	FLOW	1371.	1342.	1312.	1284.	1255.	1227.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58
ROUTED TO										
+	RT LD2	9.08	1	FLOW	1381.	1351.	1321.	1292.	1263.	1233.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
HYDROGRAPH AT										
+	LD2	0.21	1	FLOW	80.	78.	76.	74.	72.	70.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50
2 COMBINED AT										
+	CP LD2	9.29	1	FLOW	1450.	1418.	1387.	1356.	1325.	1294.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67
ROUTED TO										
+	RT D3A	9.29	1	FLOW	1444.	1415.	1386.	1358.	1329.	1301.
				TIME	12.92	12.92	12.92	12.92	12.92	12.92
HYDROGRAPH AT										
+	BER	0.59	1	FLOW	181.	176.	172.	168.	163.	159.

				TIME	12.83	12.83	12.83	12.83	12.83	12.83	
ROUTED TO											
+		RT PAT	0.59	1	FLOW	180.	175.	171.	167.	162.	158.
					TIME	12.92	12.92	12.92	12.92	12.92	12.92
HYDROGRAPH AT											
+		PAT	1.02	1	FLOW	189.	184.	179.	174.	169.	165.
					TIME	13.17	13.17	13.17	13.17	13.17	13.17
2 COMBINED AT											
+		CP PAT	1.61	1	FLOW	358.	349.	340.	331.	322.	314.
					TIME	13.00	13.00	13.00	13.00	13.00	13.00
2 COMBINED AT											
+		CP LEM	10.90	1	FLOW	1795.	1757.	1719.	1682.	1644.	1607.
					TIME	12.92	12.92	12.92	12.92	12.92	12.92
2 COMBINED AT											
+		CB LLK	18.50	1	FLOW	3646.	3576.	3491.	3388.	3256.	3144.
					TIME	13.17	13.17	13.17	13.17	13.17	13.25
HYDROGRAPH AT											
+		LV5	2.56	1	FLOW	217.	210.	204.	198.	192.	185.
					TIME	13.83	13.83	13.83	13.83	13.83	13.83
ROUTED TO											
+		RT LV3	2.56	1	FLOW	217.	211.	204.	198.	192.	185.
					TIME	14.25	14.25	14.25	14.25	14.25	14.25
HYDROGRAPH AT											
+		LV3	2.50	1	FLOW	548.	535.	522.	509.	496.	483.
					TIME	13.08	13.08	13.08	13.17	13.17	13.17
2 COMBINED AT											
+		CP LV3	5.06	1	FLOW	601.	585.	569.	553.	537.	521.
					TIME	13.42	13.42	13.42	13.42	13.42	13.33
HYDROGRAPH AT											
+		LV4	5.22	1	FLOW	638.	622.	605.	589.	573.	557.
					TIME	13.67	13.67	13.67	13.67	13.67	13.67
ROUTED TO											
+		RT LV2	5.22	1	FLOW	636.	620.	604.	587.	571.	555.
					TIME	14.25	14.25	14.25	14.25	14.25	14.25
HYDROGRAPH AT											
+		LV2	7.02	1	FLOW	982.	957.	932.	908.	884.	860.
					TIME	13.83	13.83	13.92	13.92	13.92	13.92
2 COMBINED AT											
+		CP LV2	12.24	1	FLOW	1588.	1547.	1507.	1466.	1426.	1386.
					TIME	14.08	14.08	14.08	14.08	14.08	14.08
HYDROGRAPH AT											
+		LV1	0.85	1	FLOW	460.	451.	441.	431.	422.	412.
					TIME	12.58	12.58	12.58	12.58	12.58	12.58
ROUTED TO											
+		RT LLK	0.85	1	FLOW	457.	448.	438.	428.	419.	410.

TIME 12.58 12.58 12.58 12.58 12.58 12.58

HYDROGRAPH AT

+ LLK 3.34 1 FLOW 3705. 3650. 3594. 3538. 3483. 3428.
 TIME 12.42 12.42 12.42 12.42 12.42 12.42

5 COMBINED AT

+ CP LLK 39.99 1 FLOW 5942. 5818. 5686. 5558. 5435. 5311.
 TIME 12.83 12.83 12.83 12.83 12.83 12.83

ROUTED TO

+ LLWSE 39.99 1 FLOW 0. 0. 0. 0. 0. 0.
 TIME 0.08 0.08 0.08 0.08 0.08 0.08

** PEAK STAGES IN FEET **

1 STAGE 4915.00 4914.95 4914.90 4914.86 4914.81 4914.77
 TIME 41.50 40.17 74.75 42.42 99.58 98.25

SUMMARY OF KINEMATIC WAVE - MUSKINGUM-CUNGE ROUTING

(FLOW IS DIRECT RUNOFF WITHOUT BASE FLOW)

INTERPOLATED TO
 COMPUTATION INTERVAL

ISTAQ	ELEMENT	DT	PEAK	TIME TO PEAK	VOLUME	DT	PEAK	TIME TO PEAK	VOLUME
		(MIN)	(CFS)	(MIN)	(IN)	(MIN)	(CFS)	(MIN)	(IN)

FOR PLAN = 1 RATIO= 0.00

RT K4A	MANE	5.00	4471.44	880.00	1.64	5.00	4471.44	880.00	1.64
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1741E+04 EXCESS=0.0000E+00 OUTFLOW=0.1741E+04 BASIN STORAGE=0.1907E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A	MANE	5.00	4384.40	880.00	1.61	5.00	4384.40	880.00	1.61
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1709E+04 EXCESS=0.0000E+00 OUTFLOW=0.1709E+04 BASIN STORAGE=0.1789E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A	MANE	5.00	4297.67	880.00	1.59	5.00	4297.67	880.00	1.59
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1678E+04 EXCESS=0.0000E+00 OUTFLOW=0.1678E+04 BASIN STORAGE=0.1775E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A	MANE	5.00	4211.27	880.00	1.56	5.00	4211.27	880.00	1.56
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1647E+04 EXCESS=0.0000E+00 OUTFLOW=0.1647E+04 BASIN STORAGE=0.1760E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A	MANE	5.00	4125.19	880.00	1.53	5.00	4125.19	880.00	1.53
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1616E+04 EXCESS=0.0000E+00 OUTFLOW=0.1616E+04 BASIN STORAGE=0.1746E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 4039.48 880.00 1.50 5.00 4039.48 880.00 1.50

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1585E+04 EXCESS=0.0000E+00 OUTFLOW=0.1585E+04 BASIN STORAGE=0.1400E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 3.49 1584.01 830.00 2.18 5.00 1584.01 830.00 2.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4910E+03 EXCESS=0.0000E+00 OUTFLOW=0.4910E+03 BASIN STORAGE=0.1360E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 3.50 1557.35 830.18 2.14 5.00 1557.27 830.00 2.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4831E+03 EXCESS=0.0000E+00 OUTFLOW=0.4831E+03 BASIN STORAGE=0.1638E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 3.52 1530.73 830.39 2.11 5.00 1530.60 830.00 2.11

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4752E+03 EXCESS=0.0000E+00 OUTFLOW=0.4752E+03 BASIN STORAGE=0.1372E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 3.53 1504.18 830.65 2.07 5.00 1504.06 830.00 2.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4673E+03 EXCESS=0.0000E+00 OUTFLOW=0.4673E+03 BASIN STORAGE=0.1632E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 3.55 1477.85 830.95 2.04 5.00 1477.75 830.00 2.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4594E+03 EXCESS=0.0000E+00 OUTFLOW=0.4594E+03 BASIN STORAGE=0.1348E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 3.57 1451.60 831.29 2.00 5.00 1451.57 830.00 2.00

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4516E+03 EXCESS=0.0000E+00 OUTFLOW=0.4516E+03 BASIN STORAGE=0.1580E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 4.84 1581.74 832.02 2.18 5.00 1580.21 835.00 2.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4910E+03 EXCESS=0.0000E+00 OUTFLOW=0.4910E+03 BASIN STORAGE=0.2507E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 4.86 1554.71 831.03 2.14 5.00 1554.66 835.00 2.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4831E+03 EXCESS=0.0000E+00 OUTFLOW=0.4831E+03 BASIN STORAGE=0.2763E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C	MANE	4.88	1529.95	834.95	2.11	5.00	1529.86	835.00	2.11
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4753E+03 EXCESS=0.0000E+00 OUTFLOW=0.4753E+03 BASIN STORAGE=0.2881E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C	MANE	4.91	1503.31	834.03	2.07	5.00	1501.96	835.00	2.07
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4673E+03 EXCESS=0.0000E+00 OUTFLOW=0.4673E+03 BASIN STORAGE=0.2010E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C	MANE	4.93	1476.61	833.12	2.04	5.00	1474.88	835.00	2.04
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4594E+03 EXCESS=0.0000E+00 OUTFLOW=0.4594E+03 BASIN STORAGE=0.2088E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C	MANE	4.95	1449.88	832.24	2.00	5.00	1448.67	835.00	2.00
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4516E+03 EXCESS=0.0000E+00 OUTFLOW=0.4516E+03 BASIN STORAGE=0.2138E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	6974.67	880.00	1.70	5.00	6974.67	880.00	1.70
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2752E+04 EXCESS=0.0000E+00 OUTFLOW=0.2751E+04 BASIN STORAGE=0.1791E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	6839.42	880.00	1.67	5.00	6839.42	880.00	1.67
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2703E+04 EXCESS=0.0000E+00 OUTFLOW=0.2702E+04 BASIN STORAGE=0.1767E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	6703.80	880.00	1.64	5.00	6703.80	880.00	1.64
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2654E+04 EXCESS=0.0000E+00 OUTFLOW=0.2654E+04 BASIN STORAGE=0.1754E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	6568.13	880.00	1.61	5.00	6568.13	880.00	1.61
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2606E+04 EXCESS=0.0000E+00 OUTFLOW=0.2605E+04 BASIN STORAGE=0.1742E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3 MANE 5.00 6433.26 880.00 1.58 5.00 6433.26 880.00 1.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2557E+04 EXCESS=0.0000E+00 OUTFLOW=0.2557E+04 BASIN STORAGE=0.1627E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3 MANE 5.00 6299.12 880.00 1.55 5.00 6299.12 880.00 1.55

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2509E+04 EXCESS=0.0000E+00 OUTFLOW=0.2508E+04 BASIN STORAGE=0.1303E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A MANE 5.00 8954.34 875.00 1.77 5.00 8954.34 875.00 1.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3591E+04 EXCESS=0.0000E+00 OUTFLOW=0.3590E+04 BASIN STORAGE=0.7918E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A MANE 5.00 8777.53 875.00 1.73 5.00 8777.53 875.00 1.73

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3529E+04 EXCESS=0.0000E+00 OUTFLOW=0.3528E+04 BASIN STORAGE=0.7829E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A MANE 5.00 8601.44 875.00 1.70 5.00 8601.44 875.00 1.70

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3467E+04 EXCESS=0.0000E+00 OUTFLOW=0.3466E+04 BASIN STORAGE=0.7773E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A MANE 5.00 8425.98 880.00 1.67 5.00 8425.98 880.00 1.67

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3404E+04 EXCESS=0.0000E+00 OUTFLOW=0.3404E+04 BASIN STORAGE=0.7717E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A MANE 5.00 8253.26 880.00 1.64 5.00 8253.26 880.00 1.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3342E+04 EXCESS=0.0000E+00 OUTFLOW=0.3342E+04 BASIN STORAGE=0.7499E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A MANE 5.00 8081.59 880.00 1.61 5.00 8081.59 880.00 1.61

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3281E+04 EXCESS=0.0000E+00 OUTFLOW=0.3280E+04 BASIN STORAGE=0.8864E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT RRI MANE 2.00 72.17 800.00 0.06 5.00 72.17 800.00 0.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3972E+01 EXCESS=0.0000E+00 OUTFLOW=0.3974E+01 BASIN STORAGE=0.6495E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RRI	MANE	1.25	65.30	798.75	0.05	5.00	64.80	800.00	0.05
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3443E+01 EXCESS=0.0000E+00 OUTFLOW=0.3444E+01 BASIN STORAGE=0.4981E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RRI	MANE	1.25	58.28	798.75	0.05	5.00	57.84	800.00	0.05
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2951E+01 EXCESS=0.0000E+00 OUTFLOW=0.2952E+01 BASIN STORAGE=0.4813E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RRI	MANE	1.50	51.26	799.50	0.04	5.00	51.05	800.00	0.04
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2462E+01 EXCESS=0.0000E+00 OUTFLOW=0.2463E+01 BASIN STORAGE=0.4613E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RRI	MANE	1.50	44.37	799.50	0.03	5.00	44.17	800.00	0.03
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1985E+01 EXCESS=0.0000E+00 OUTFLOW=0.1986E+01 BASIN STORAGE=0.6978E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RRI	MANE	1.75	37.45	799.75	0.02	5.00	37.37	800.00	0.02
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1573E+01 EXCESS=0.0000E+00 OUTFLOW=0.1575E+01 BASIN STORAGE=0.7496E-03 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT R3C	MANE	3.75	120.97	802.50	0.09	5.00	119.77	805.00	0.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1077E+02 EXCESS=0.0000E+00 OUTFLOW=0.1077E+02 BASIN STORAGE=0.6797E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3C	MANE	3.75	112.10	802.50	0.09	5.00	110.99	805.00	0.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9934E+01 EXCESS=0.0000E+00 OUTFLOW=0.9936E+01 BASIN STORAGE=0.7530E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3C	MANE	4.06	103.50	804.41	0.08	5.00	103.14	805.00	0.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9157E+01 EXCESS=0.0000E+00 OUTFLOW=0.9160E+01 BASIN STORAGE=0.7113E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3C MANE 3.75 94.93 802.50 0.07 5.00 94.27 805.00 0.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8390E+01 EXCESS=0.0000E+00 OUTFLOW=0.8393E+01 BASIN STORAGE=0.9454E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3C MANE 3.50 86.27 805.00 0.07 5.00 86.27 805.00 0.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7632E+01 EXCESS=0.0000E+00 OUTFLOW=0.7635E+01 BASIN STORAGE=0.8680E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT R3C MANE 3.50 78.04 805.00 0.06 5.00 78.04 805.00 0.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6973E+01 EXCESS=0.0000E+00 OUTFLOW=0.6976E+01 BASIN STORAGE=0.8615E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SS2 MANE 2.54 215.79 775.23 -1.00 5.00 215.62 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SS2 MANE 2.54 214.97 780.31 -1.00 5.00 214.70 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SS2 MANE 2.54 215.11 780.31 -1.00 5.00 214.87 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SS2 MANE 2.54 215.25 780.31 -1.00 5.00 215.03 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SS2 MANE 2.54 215.39 780.31 -1.00 5.00 215.19 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SS2 MANE 2.54 214.77 785.40 -1.00 5.00 214.52 785.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 2.08 267.72 777.64 20.61 5.00 266.18 775.00 20.61

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1099E+03 EXCESS=0.0000E+00 OUTFLOW=0.1099E+03 BASIN STORAGE=0.7961E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 2.09 265.84 777.59 20.33 5.00 264.14 780.00 20.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1084E+03 EXCESS=0.0000E+00 OUTFLOW=0.1084E+03 BASIN STORAGE=0.8915E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D	MANE	2.10	263.52	778.44	20.05	5.00	262.58	780.00	20.05
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1069E+03 EXCESS=0.0000E+00 OUTFLOW=0.1069E+03 BASIN STORAGE=0.8575E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D	MANE	2.10	261.76	779.17	19.76	5.00	261.52	780.00	19.76
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1054E+03 EXCESS=0.0000E+00 OUTFLOW=0.1054E+03 BASIN STORAGE=0.8682E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D	MANE	2.10	261.28	783.53	19.48	5.00	260.29	780.00	19.48
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1039E+03 EXCESS=0.0000E+00 OUTFLOW=0.1039E+03 BASIN STORAGE=0.8401E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D	MANE	2.11	259.48	783.82	19.18	5.00	258.57	785.00	19.18
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1023E+03 EXCESS=0.0000E+00 OUTFLOW=0.1023E+03 BASIN STORAGE=0.8763E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW2	MANE	1.56	88.07	762.27	0.23	5.00	87.05	765.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5097E+01 EXCESS=0.0000E+00 OUTFLOW=0.5098E+01 BASIN STORAGE=0.3360E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW2	MANE	1.50	84.58	762.00	0.22	5.00	83.60	765.00	0.22
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4875E+01 EXCESS=0.0000E+00 OUTFLOW=0.4876E+01 BASIN STORAGE=0.3513E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW2	MANE	1.50	81.11	762.00	0.21	5.00	80.20	765.00	0.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4662E+01 EXCESS=0.0000E+00 OUTFLOW=0.4663E+01 BASIN STORAGE=0.4311E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW2	MANE	1.50	77.72	762.00	0.20	5.00	77.00	765.00	0.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4454E+01 EXCESS=0.0000E+00 OUTFLOW=0.4455E+01 BASIN STORAGE=0.3968E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW2	MANE	1.50	74.79	762.00	0.19	5.00	74.12	765.00	0.19
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4253E+01 EXCESS=0.0000E+00 OUTFLOW=0.4254E+01 BASIN STORAGE=0.3544E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW2	MANE	1.50	71.87	762.00	0.18	5.00	71.25	765.00	0.18
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4054E+01 EXCESS=0.0000E+00 OUTFLOW=0.4055E+01 BASIN STORAGE=0.3011E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PW3	MANE	1.00	78.28	762.00	0.08	5.00	76.66	760.00	0.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2734E+01 EXCESS=0.0000E+00 OUTFLOW=0.2736E+01 BASIN STORAGE=0.4116E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PW3	MANE	1.50	72.44	762.00	0.07	5.00	71.44	760.00	0.07
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2484E+01 EXCESS=0.0000E+00 OUTFLOW=0.2487E+01 BASIN STORAGE=0.6329E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PW3	MANE	1.25	67.43	762.50	0.06	5.00	65.97	760.00	0.06
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2241E+01 EXCESS=0.0000E+00 OUTFLOW=0.2242E+01 BASIN STORAGE=0.4449E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PW3	MANE	1.00	61.87	762.00	0.06	5.00	60.30	760.00	0.06
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2001E+01 EXCESS=0.0000E+00 OUTFLOW=0.2003E+01 BASIN STORAGE=0.5932E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PW3	MANE	1.25	57.00	762.50	0.05	5.00	55.54	760.00	0.05
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1782E+01 EXCESS=0.0000E+00 OUTFLOW=0.1783E+01 BASIN STORAGE=0.5614E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PW3	MANE	1.00	51.76	762.00	0.05	5.00	50.11	760.00	0.04
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1575E+01 EXCESS=0.0000E+00 OUTFLOW=0.1577E+01 BASIN STORAGE=0.4316E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	0.99	299.10	825.41	0.70	5.00	299.09	825.00	0.70
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1202E+03 EXCESS=0.0000E+00 OUTFLOW=0.1202E+03 BASIN STORAGE=0.3880E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.00	296.15	824.94	0.68	5.00	296.15	825.00	0.68
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1170E+03 EXCESS=0.0000E+00 OUTFLOW=0.1170E+03 BASIN STORAGE=0.4154E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.00	293.21	821.50	0.66	5.00	293.15	825.00	0.66
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1138E+03 EXCESS=0.0000E+00 OUTFLOW=0.1138E+03 BASIN STORAGE=0.4036E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.00	290.30	820.99	0.64	5.00	290.24	820.00	0.64
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1107E+03 EXCESS=0.0000E+00 OUTFLOW=0.1107E+03 BASIN STORAGE=0.3869E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.01	287.53	821.40	0.63	5.00	287.50	820.00	0.63
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1077E+03 EXCESS=0.0000E+00 OUTFLOW=0.1077E+03 BASIN STORAGE=0.3847E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.01	284.94	820.66	0.61	5.00	284.93	820.00	0.61
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1047E+03 EXCESS=0.0000E+00 OUTFLOW=0.1047E+03 BASIN STORAGE=0.3896E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	5.00	107.31	770.00	-1.00	5.00	107.31	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	5.00	106.58	770.00	-1.00	5.00	106.58	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	5.00	105.74	770.00	-1.00	5.00	105.74	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	5.00	104.79	770.00	-1.00	5.00	104.79	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	5.00	103.44	770.00	-1.00	5.00	103.44	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	5.00	102.17	775.00	-1.00	5.00	102.17	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4B	MANE	1.75	13.57	768.25	-1.00	5.00	12.53	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4B	MANE	1.50	12.99	771.00	-1.00	5.00	12.22	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4B	MANE	1.50	13.20	763.50	-1.00	5.00	12.14	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4B	MANE	1.50	12.79	768.00	-1.00	5.00	12.02	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4B	MANE	1.50	12.74	768.00	-1.00	5.00	11.84	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4B	MANE	1.50	13.09	765.00	-1.00	5.00	13.09	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	4.94	127.76	761.13	-1.00	5.00	127.05	760.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	4.95	126.87	761.87	-1.00	5.00	126.49	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	4.95	126.29	762.59	-1.00	5.00	126.11	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	4.96	126.06	763.30	-1.00	5.00	125.83	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C MANE 4.96 126.15 763.97 -1.00 5.00 125.85 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4C MANE 4.97 126.35 764.65 -1.00 5.00 126.16 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 1.38 210.48 771.94 -1.00 5.00 210.28 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 1.38 208.78 772.51 -1.00 5.00 208.62 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 1.39 207.05 773.11 -1.00 5.00 206.93 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 1.39 205.24 772.46 -1.00 5.00 205.18 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 1.39 203.44 773.17 -1.00 5.00 203.37 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 1.40 201.57 775.29 -1.00 5.00 201.56 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 2.91 885.64 761.31 1.46 5.00 882.09 760.00 1.46

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2807E+03 EXCESS=0.0000E+00 OUTFLOW=0.2807E+03 BASIN STORAGE=0.1384E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 2.92 873.78 761.52 1.43 5.00 869.39 760.00 1.43

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2750E+03 EXCESS=0.0000E+00 OUTFLOW=0.2750E+03 BASIN STORAGE=0.1650E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 2.93 862.50 761.24 1.40 5.00 858.52 760.00 1.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2693E+03 EXCESS=0.0000E+00 OUTFLOW=0.2693E+03 BASIN STORAGE=0.1617E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 2.94 850.82 761.16 1.37 5.00 849.13 765.00 1.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2637E+03 EXCESS=0.0000E+00 OUTFLOW=0.2637E+03 BASIN STORAGE=0.1467E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 2.95 840.47 764.24 1.34 5.00 839.84 765.00 1.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2581E+03 EXCESS=0.0000E+00 OUTFLOW=0.2581E+03 BASIN STORAGE=0.1329E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 2.96 829.66 767.33 1.31 5.00 829.56 765.00 1.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2527E+03 EXCESS=0.0000E+00 OUTFLOW=0.2527E+03 BASIN STORAGE=0.1626E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.50 115.93 805.00 -1.00 5.00 115.93 805.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.50 115.77 801.50 -1.00 5.00 115.68 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.50 115.57 808.50 -1.00 5.00 115.48 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.50 115.34 808.50 -1.00 5.00 115.27 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.50 115.05 805.00 -1.00 5.00 115.05 805.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.50 112.95 808.50 -1.00 5.00 112.86 805.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SLB MANE 4.44 1266.66 790.00 1.38 5.00 1266.66 790.00 1.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4369E+03 EXCESS=0.0000E+00 OUTFLOW=0.4369E+03 BASIN STORAGE=0.2473E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB MANE 4.46 1246.47 789.32 1.35 5.00 1246.24 790.00 1.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4280E+03 EXCESS=0.0000E+00 OUTFLOW=0.4281E+03 BASIN STORAGE=0.2502E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	4.48	1225.09	789.13	1.32	5.00	1224.92	790.00	1.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4191E+03 EXCESS=0.0000E+00 OUTFLOW=0.4192E+03 BASIN STORAGE=0.3247E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	4.51	1206.60	784.25	1.29	5.00	1206.30	785.00	1.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4104E+03 EXCESS=0.0000E+00 OUTFLOW=0.4104E+03 BASIN STORAGE=0.3147E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	4.53	1189.28	782.83	1.27	5.00	1187.71	785.00	1.27
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4017E+03 EXCESS=0.0000E+00 OUTFLOW=0.4017E+03 BASIN STORAGE=0.2562E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	4.54	1171.00	781.57	1.24	5.00	1170.83	785.00	1.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3932E+03 EXCESS=0.0000E+00 OUTFLOW=0.3932E+03 BASIN STORAGE=0.2770E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	4.86	81.94	752.69	1.79	5.00	81.28	750.00	1.79
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9571E+01 EXCESS=0.0000E+00 OUTFLOW=0.9572E+01 BASIN STORAGE=0.1088E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	4.88	80.93	751.54	1.76	5.00	79.94	750.00	1.76
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9403E+01 EXCESS=0.0000E+00 OUTFLOW=0.9405E+01 BASIN STORAGE=0.9324E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	4.90	79.88	750.42	1.73	5.00	79.45	750.00	1.73
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9239E+01 EXCESS=0.0000E+00 OUTFLOW=0.9241E+01 BASIN STORAGE=0.1029E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	4.93	77.85	749.33	1.70	5.00	77.71	750.00	1.70
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9068E+01 EXCESS=0.0000E+00 OUTFLOW=0.9069E+01 BASIN STORAGE=0.8478E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA MANE 4.96 75.77 753.23 1.67 5.00 75.34 750.00 1.67

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8901E+01 EXCESS=0.0000E+00 OUTFLOW=0.8902E+01 BASIN STORAGE=0.9601E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA MANE 4.98 74.66 752.23 1.64 5.00 73.66 750.00 1.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8735E+01 EXCESS=0.0000E+00 OUTFLOW=0.8736E+01 BASIN STORAGE=0.1051E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 1.39 201.68 751.77 1.19 5.00 200.09 750.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2611E+02 EXCESS=0.0000E+00 OUTFLOW=0.2612E+02 BASIN STORAGE=0.3807E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 1.40 197.20 751.29 1.17 5.00 195.11 750.00 1.17

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2556E+02 EXCESS=0.0000E+00 OUTFLOW=0.2556E+02 BASIN STORAGE=0.3440E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 1.41 191.89 750.87 1.14 5.00 190.08 750.00 1.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2501E+02 EXCESS=0.0000E+00 OUTFLOW=0.2501E+02 BASIN STORAGE=0.3616E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 1.42 187.08 751.91 1.12 5.00 185.40 750.00 1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2446E+02 EXCESS=0.0000E+00 OUTFLOW=0.2446E+02 BASIN STORAGE=0.3697E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 1.43 182.65 751.62 1.09 5.00 180.67 750.00 1.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2392E+02 EXCESS=0.0000E+00 OUTFLOW=0.2392E+02 BASIN STORAGE=0.3727E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 1.44 178.06 751.39 1.07 5.00 175.81 750.00 1.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2338E+02 EXCESS=0.0000E+00 OUTFLOW=0.2338E+02 BASIN STORAGE=0.3701E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3 MANE 4.87 219.85 755.23 1.23 5.00 219.03 755.00 1.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2897E+02 EXCESS=0.0000E+00 OUTFLOW=0.2897E+02 BASIN STORAGE=0.1724E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	4.90	214.41	755.31	1.21	5.00	213.36	755.00	1.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2836E+02 EXCESS=0.0000E+00 OUTFLOW=0.2836E+02 BASIN STORAGE=0.1647E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	4.94	208.57	755.54	1.18	5.00	206.99	755.00	1.18
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2775E+02 EXCESS=0.0000E+00 OUTFLOW=0.2775E+02 BASIN STORAGE=0.1549E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	4.97	203.60	755.51	1.16	5.00	202.11	755.00	1.16
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2715E+02 EXCESS=0.0000E+00 OUTFLOW=0.2716E+02 BASIN STORAGE=0.1513E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	199.59	755.00	1.13	5.00	199.59	755.00	1.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2656E+02 EXCESS=0.0000E+00 OUTFLOW=0.2657E+02 BASIN STORAGE=0.1568E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	194.03	755.00	1.11	5.00	194.03	755.00	1.11
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2597E+02 EXCESS=0.0000E+00 OUTFLOW=0.2598E+02 BASIN STORAGE=0.1549E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A	MANE	4.44	49.92	745.60	2.20	5.00	49.77	745.00	2.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4698E+01 EXCESS=0.0000E+00 OUTFLOW=0.4695E+01 BASIN STORAGE=0.4171E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT L3A	MANE	4.45	49.72	743.49	2.17	5.00	48.78	745.00	2.17
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4629E+01 EXCESS=0.0000E+00 OUTFLOW=0.4626E+01 BASIN STORAGE=0.4020E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT L3A	MANE	4.47	48.15	745.87	2.13	5.00	48.02	745.00	2.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4551E+01 EXCESS=0.0000E+00 OUTFLOW=0.4548E+01 BASIN STORAGE=0.3888E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 4.48 48.37 743.80 2.10 5.00 47.52 745.00 2.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4486E+01 EXCESS=0.0000E+00 OUTFLOW=0.4484E+01 BASIN STORAGE=0.3747E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 4.50 46.32 746.24 2.06 5.00 46.27 745.00 2.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4404E+01 EXCESS=0.0000E+00 OUTFLOW=0.4402E+01 BASIN STORAGE=0.5047E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 4.51 46.99 744.22 2.04 5.00 46.38 745.00 2.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4345E+01 EXCESS=0.0000E+00 OUTFLOW=0.4342E+01 BASIN STORAGE=0.4832E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 2.55 134.32 753.42 2.13 5.00 117.58 755.00 2.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1362E+02 EXCESS=0.0000E+00 OUTFLOW=0.1362E+02 BASIN STORAGE=0.5541E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 2.56 127.28 754.18 2.09 5.00 116.80 755.00 2.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1340E+02 EXCESS=0.0000E+00 OUTFLOW=0.1340E+02 BASIN STORAGE=0.6066E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 2.56 127.91 754.02 2.06 5.00 115.55 755.00 2.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1318E+02 EXCESS=0.0000E+00 OUTFLOW=0.1318E+02 BASIN STORAGE=0.6128E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 2.58 125.90 751.97 2.03 5.00 114.69 755.00 2.03

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1297E+02 EXCESS=0.0000E+00 OUTFLOW=0.1297E+02 BASIN STORAGE=0.5449E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 2.67 114.14 754.39 1.99 5.00 108.53 755.00 1.99

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1275E+02 EXCESS=0.0000E+00 OUTFLOW=0.1275E+02 BASIN STORAGE=0.5279E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 2.73 108.84 752.43 1.96 5.00 105.18 755.00 1.96

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1256E+02 EXCESS=0.0000E+00 OUTFLOW=0.1256E+02 BASIN STORAGE=0.5559E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3	MANE	1.42	155.28	752.69	2.22	5.00	152.78	755.00	2.22
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2017E+02 EXCESS=0.0000E+00 OUTFLOW=0.2017E+02 BASIN STORAGE=0.3351E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3	MANE	1.43	150.54	755.21	2.19	5.00	150.41	755.00	2.19
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1985E+02 EXCESS=0.0000E+00 OUTFLOW=0.1985E+02 BASIN STORAGE=0.3501E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3	MANE	1.43	147.63	756.14	2.16	5.00	147.13	755.00	2.16
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1954E+02 EXCESS=0.0000E+00 OUTFLOW=0.1954E+02 BASIN STORAGE=0.3319E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3	MANE	1.44	145.19	756.56	2.12	5.00	144.70	755.00	2.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1924E+02 EXCESS=0.0000E+00 OUTFLOW=0.1924E+02 BASIN STORAGE=0.3459E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3	MANE	1.45	139.09	755.85	2.09	5.00	137.16	755.00	2.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1892E+02 EXCESS=0.0000E+00 OUTFLOW=0.1892E+02 BASIN STORAGE=0.3408E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3	MANE	1.46	134.61	755.63	2.06	5.00	132.67	755.00	2.06
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1864E+02 EXCESS=0.0000E+00 OUTFLOW=0.1864E+02 BASIN STORAGE=0.3477E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1	MANE	0.68	166.67	741.21	1.28	5.00	164.07	740.00	1.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1706E+02 EXCESS=0.0000E+00 OUTFLOW=0.1706E+02 BASIN STORAGE=0.7347E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1	MANE	0.68	162.86	741.29	1.25	5.00	160.33	740.00	1.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1671E+02 EXCESS=0.0000E+00 OUTFLOW=0.1671E+02 BASIN STORAGE=0.7561E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 0.68 159.01 741.41 1.23 5.00 156.55 740.00 1.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1637E+02 EXCESS=0.0000E+00 OUTFLOW=0.1637E+02 BASIN STORAGE=0.7684E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 0.69 155.17 740.89 1.20 5.00 152.80 745.00 1.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1602E+02 EXCESS=0.0000E+00 OUTFLOW=0.1602E+02 BASIN STORAGE=0.7089E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 0.69 151.47 741.11 1.18 5.00 149.11 745.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1568E+02 EXCESS=0.0000E+00 OUTFLOW=0.1568E+02 BASIN STORAGE=0.7687E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 0.69 147.79 741.40 1.15 5.00 145.55 745.00 1.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1534E+02 EXCESS=0.0000E+00 OUTFLOW=0.1534E+02 BASIN STORAGE=0.7562E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 182.28 750.00 1.33 5.00 182.28 750.00 1.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1914E+02 EXCESS=0.0000E+00 OUTFLOW=0.1915E+02 BASIN STORAGE=0.2079E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 177.37 750.00 1.30 5.00 177.37 750.00 1.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1875E+02 EXCESS=0.0000E+00 OUTFLOW=0.1877E+02 BASIN STORAGE=0.2311E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 173.43 750.00 1.28 5.00 173.43 750.00 1.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1837E+02 EXCESS=0.0000E+00 OUTFLOW=0.1839E+02 BASIN STORAGE=0.2286E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 169.45 750.00 1.25 5.00 169.45 750.00 1.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1800E+02 EXCESS=0.0000E+00 OUTFLOW=0.1801E+02 BASIN STORAGE=0.2264E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 165.51 750.00 1.22 5.00 165.51 750.00 1.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1762E+02 EXCESS=0.0000E+00 OUTFLOW=0.1763E+02 BASIN STORAGE=0.2244E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 161.72 750.00 1.20 5.00 161.72 750.00 1.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1725E+02 EXCESS=0.0000E+00 OUTFLOW=0.1726E+02 BASIN STORAGE=0.2225E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 4.54 181.83 749.32 1.33 5.00 181.55 750.00 1.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1918E+02 EXCESS=0.0000E+00 OUTFLOW=0.1918E+02 BASIN STORAGE=0.2483E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 4.58 178.10 751.36 1.30 5.00 173.29 755.00 1.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1876E+02 EXCESS=0.0000E+00 OUTFLOW=0.1876E+02 BASIN STORAGE=0.1895E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 4.61 173.36 752.20 1.28 5.00 168.73 755.00 1.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1836E+02 EXCESS=0.0000E+00 OUTFLOW=0.1837E+02 BASIN STORAGE=0.2318E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 4.65 168.62 753.19 1.25 5.00 165.61 750.00 1.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1798E+02 EXCESS=0.0000E+00 OUTFLOW=0.1799E+02 BASIN STORAGE=0.1899E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 4.68 166.91 749.55 1.23 5.00 166.69 750.00 1.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1766E+02 EXCESS=0.0000E+00 OUTFLOW=0.1767E+02 BASIN STORAGE=0.2177E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 4.72 163.11 750.45 1.20 5.00 160.18 750.00 1.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1728E+02 EXCESS=0.0000E+00 OUTFLOW=0.1729E+02 BASIN STORAGE=0.1885E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA MANE 1.13 67.29 741.56 1.25 5.00 65.81 740.00 1.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6652E+01 EXCESS=0.0000E+00 OUTFLOW=0.6652E+01 BASIN STORAGE=0.1783E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA MANE 1.14 65.74 741.52 1.22 5.00 64.27 740.00 1.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6515E+01 EXCESS=0.0000E+00 OUTFLOW=0.6515E+01 BASIN STORAGE=0.1748E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.15	64.19	741.54	1.20	5.00	62.74	740.00	1.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6379E+01 EXCESS=0.0000E+00 OUTFLOW=0.6379E+01 BASIN STORAGE=0.1873E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.16	62.65	741.61	1.17	5.00	61.19	740.00	1.17
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6244E+01 EXCESS=0.0000E+00 OUTFLOW=0.6244E+01 BASIN STORAGE=0.1807E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.16	61.11	741.75	1.15	5.00	59.69	740.00	1.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6110E+01 EXCESS=0.0000E+00 OUTFLOW=0.6110E+01 BASIN STORAGE=0.1890E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.17	59.59	741.94	1.12	5.00	58.22	740.00	1.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5976E+01 EXCESS=0.0000E+00 OUTFLOW=0.5977E+01 BASIN STORAGE=0.1770E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	0.69	50.24	736.28	1.19	5.00	50.00	745.00	1.19
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6360E+01 EXCESS=0.0000E+00 OUTFLOW=0.6360E+01 BASIN STORAGE=0.6108E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	0.69	50.26	736.28	1.17	5.00	50.00	745.00	1.17
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6262E+01 EXCESS=0.0000E+00 OUTFLOW=0.6262E+01 BASIN STORAGE=0.6033E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	0.69	50.28	736.28	1.16	5.00	50.00	745.00	1.16
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6164E+01 EXCESS=0.0000E+00 OUTFLOW=0.6164E+01 BASIN STORAGE=0.5946E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	0.69	50.29	736.28	1.14	5.00	50.00	745.00	1.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6067E+01 EXCESS=0.0000E+00 OUTFLOW=0.6067E+01 BASIN STORAGE=0.5888E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC MANE 0.69 50.05 736.28 1.12 5.00 50.00 745.00 1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5969E+01 EXCESS=0.0000E+00 OUTFLOW=0.5969E+01 BASIN STORAGE=0.5806E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC MANE 0.69 50.02 741.12 1.10 5.00 50.00 745.00 1.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5864E+01 EXCESS=0.0000E+00 OUTFLOW=0.5864E+01 BASIN STORAGE=0.5709E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 5.00 52.58 745.00 1.19 5.00 52.57 745.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6362E+01 EXCESS=0.0000E+00 OUTFLOW=0.6368E+01 BASIN STORAGE=0.1489E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 5.00 52.53 745.00 1.18 5.00 52.53 745.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6264E+01 EXCESS=0.0000E+00 OUTFLOW=0.6270E+01 BASIN STORAGE=0.1475E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 5.00 52.48 745.00 1.16 5.00 52.48 745.00 1.16

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6166E+01 EXCESS=0.0000E+00 OUTFLOW=0.6172E+01 BASIN STORAGE=0.1458E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 5.00 52.43 745.00 1.14 5.00 52.43 745.00 1.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6070E+01 EXCESS=0.0000E+00 OUTFLOW=0.6076E+01 BASIN STORAGE=0.1446E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 5.00 52.18 745.00 1.12 5.00 52.18 745.00 1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5971E+01 EXCESS=0.0000E+00 OUTFLOW=0.5977E+01 BASIN STORAGE=0.1431E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 5.00 51.25 750.00 1.10 5.00 51.25 750.00 1.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5867E+01 EXCESS=0.0000E+00 OUTFLOW=0.5873E+01 BASIN STORAGE=0.1416E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PA4 MANE 1.64 152.82 811.95 1.13 5.00 152.80 810.00 1.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7563E+02 EXCESS=0.0000E+00 OUTFLOW=0.7563E+02 BASIN STORAGE=0.4083E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	1.64	152.21	811.22	1.12	5.00	152.18	810.00	1.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7463E+02 EXCESS=0.0000E+00 OUTFLOW=0.7463E+02 BASIN STORAGE=0.3957E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	1.64	151.58	812.13	1.10	5.00	151.56	810.00	1.10
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7362E+02 EXCESS=0.0000E+00 OUTFLOW=0.7362E+02 BASIN STORAGE=0.3773E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	1.64	150.98	811.40	1.09	5.00	150.95	810.00	1.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7261E+02 EXCESS=0.0000E+00 OUTFLOW=0.7262E+02 BASIN STORAGE=0.4043E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	1.64	150.36	810.66	1.07	5.00	150.34	810.00	1.07
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7160E+02 EXCESS=0.0000E+00 OUTFLOW=0.7160E+02 BASIN STORAGE=0.3921E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	1.65	149.78	811.56	1.06	5.00	149.74	810.00	1.06
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7058E+02 EXCESS=0.0000E+00 OUTFLOW=0.7058E+02 BASIN STORAGE=0.3737E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6	MANE	1.11	63.99	811.10	0.81	5.00	63.99	810.00	0.81
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5455E+02 EXCESS=0.0000E+00 OUTFLOW=0.5455E+02 BASIN STORAGE=0.2106E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6	MANE	1.11	63.91	811.41	0.80	5.00	63.91	810.00	0.80
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5410E+02 EXCESS=0.0000E+00 OUTFLOW=0.5410E+02 BASIN STORAGE=0.1970E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6	MANE	1.11	63.82	810.59	0.79	5.00	63.82	810.00	0.79
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5365E+02 EXCESS=0.0000E+00 OUTFLOW=0.5365E+02 BASIN STORAGE=0.2024E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.11 63.74 810.89 0.79 5.00 63.74 810.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5320E+02 EXCESS=0.0000E+00 OUTFLOW=0.5320E+02 BASIN STORAGE=0.2064E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.11 63.66 811.18 0.78 5.00 63.65 810.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5274E+02 EXCESS=0.0000E+00 OUTFLOW=0.5274E+02 BASIN STORAGE=0.2110E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.11 63.57 811.47 0.77 5.00 63.57 810.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5227E+02 EXCESS=0.0000E+00 OUTFLOW=0.5227E+02 BASIN STORAGE=0.2122E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.25 58.70 808.02 0.78 5.00 58.70 810.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5309E+02 EXCESS=0.0000E+00 OUTFLOW=0.5309E+02 BASIN STORAGE=0.2199E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.25 58.65 806.96 0.77 5.00 58.65 810.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5268E+02 EXCESS=0.0000E+00 OUTFLOW=0.5268E+02 BASIN STORAGE=0.2343E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.26 58.60 807.14 0.77 5.00 58.60 810.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5227E+02 EXCESS=0.0000E+00 OUTFLOW=0.5227E+02 BASIN STORAGE=0.2240E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.26 58.55 809.85 0.76 5.00 58.55 810.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5186E+02 EXCESS=0.0000E+00 OUTFLOW=0.5186E+02 BASIN STORAGE=0.2315E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.26 58.50 810.03 0.75 5.00 58.50 810.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5144E+02 EXCESS=0.0000E+00 OUTFLOW=0.5144E+02 BASIN STORAGE=0.2205E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.26 58.45 810.23 0.75 5.00 58.45 810.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5101E+02 EXCESS=0.0000E+00 OUTFLOW=0.5101E+02 BASIN STORAGE=0.2303E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.61 5.64 730.92 1.33 5.00 5.41 730.00 1.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3553E+00 EXCESS=0.0000E+00 OUTFLOW=0.3553E+00 BASIN STORAGE=0.1030E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.62 5.50 730.85 1.31 5.00 5.29 730.00 1.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3483E+00 EXCESS=0.0000E+00 OUTFLOW=0.3483E+00 BASIN STORAGE=0.1040E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.62 5.39 732.44 1.28 5.00 5.17 730.00 1.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3413E+00 EXCESS=0.0000E+00 OUTFLOW=0.3413E+00 BASIN STORAGE=0.1041E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.63 5.26 732.46 1.25 5.00 5.06 730.00 1.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3344E+00 EXCESS=0.0000E+00 OUTFLOW=0.3344E+00 BASIN STORAGE=0.1031E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.64 5.14 732.52 1.23 5.00 4.94 730.00 1.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3275E+00 EXCESS=0.0000E+00 OUTFLOW=0.3275E+00 BASIN STORAGE=0.1005E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.65 5.04 730.98 1.20 5.00 4.82 730.00 1.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3206E+00 EXCESS=0.0000E+00 OUTFLOW=0.3206E+00 BASIN STORAGE=0.9704E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.90 77.76 741.14 0.79 5.00 77.31 740.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5508E+02 EXCESS=0.0000E+00 OUTFLOW=0.5508E+02 BASIN STORAGE=0.8739E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.90 76.55 740.88 0.78 5.00 76.01 740.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5463E+02 EXCESS=0.0000E+00 OUTFLOW=0.5463E+02 BASIN STORAGE=0.8146E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.90 75.21 741.74 0.78 5.00 74.61 740.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5419E+02 EXCESS=0.0000E+00 OUTFLOW=0.5419E+02 BASIN STORAGE=0.8531E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.90 73.90 741.84 0.77 5.00 73.63 745.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5374E+02 EXCESS=0.0000E+00 OUTFLOW=0.5374E+02 BASIN STORAGE=0.8576E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.91 72.76 745.72 0.77 5.00 72.73 745.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5328E+02 EXCESS=0.0000E+00 OUTFLOW=0.5328E+02 BASIN STORAGE=0.8062E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.91 71.93 745.53 0.76 5.00 71.82 745.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5281E+02 EXCESS=0.0000E+00 OUTFLOW=0.5281E+02 BASIN STORAGE=0.8366E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.08 77.19 742.45 0.79 5.00 76.73 745.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5508E+02 EXCESS=0.0000E+00 OUTFLOW=0.5508E+02 BASIN STORAGE=0.4444E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.09 76.20 743.86 0.78 5.00 75.66 745.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5464E+02 EXCESS=0.0000E+00 OUTFLOW=0.5464E+02 BASIN STORAGE=0.4332E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.10 75.03 743.52 0.78 5.00 74.54 745.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5419E+02 EXCESS=0.0000E+00 OUTFLOW=0.5419E+02 BASIN STORAGE=0.4543E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.11 73.80 744.14 0.77 5.00 73.55 745.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5374E+02 EXCESS=0.0000E+00 OUTFLOW=0.5374E+02 BASIN STORAGE=0.4356E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.12 72.49 744.56 0.77 5.00 72.46 745.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5328E+02 EXCESS=0.0000E+00 OUTFLOW=0.5328E+02 BASIN STORAGE=0.4370E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.12 71.63 747.17 0.76 5.00 71.25 745.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5282E+02 EXCESS=0.0000E+00 OUTFLOW=0.5282E+02 BASIN STORAGE=0.4283E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 2.44 35.43 811.02 3.58 5.00 35.42 810.00 3.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7639E+01 EXCESS=0.0000E+00 OUTFLOW=0.7640E+01 BASIN STORAGE=0.3622E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 2.44 35.31 811.68 3.51 5.00 35.31 810.00 3.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7490E+01 EXCESS=0.0000E+00 OUTFLOW=0.7490E+01 BASIN STORAGE=0.3287E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 2.44 35.20 809.90 3.44 5.00 35.20 810.00 3.44

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7337E+01 EXCESS=0.0000E+00 OUTFLOW=0.7337E+01 BASIN STORAGE=0.3534E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 2.44 35.09 810.57 3.36 5.00 35.09 810.00 3.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7174E+01 EXCESS=0.0000E+00 OUTFLOW=0.7174E+01 BASIN STORAGE=0.3169E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 2.44 34.98 811.22 3.28 5.00 34.97 810.00 3.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7003E+01 EXCESS=0.0000E+00 OUTFLOW=0.7003E+01 BASIN STORAGE=0.3450E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 2.45 34.86 811.89 3.20 5.00 34.86 810.00 3.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6830E+01 EXCESS=0.0000E+00 OUTFLOW=0.6830E+01 BASIN STORAGE=0.3092E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD MANE 0.80 35.42 811.26 3.58 5.00 35.42 810.00 3.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7638E+01 EXCESS=0.0000E+00 OUTFLOW=0.7638E+01 BASIN STORAGE=0.6303E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD MANE 0.80 35.31 810.96 3.51 5.00 35.30 810.00 3.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7491E+01 EXCESS=0.0000E+00 OUTFLOW=0.7491E+01 BASIN STORAGE=0.6353E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	0.80	35.20	811.46	3.44	5.00	35.20	810.00	3.44
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7334E+01 EXCESS=0.0000E+00 OUTFLOW=0.7334E+01 BASIN STORAGE=0.6461E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	0.80	35.09	811.20	3.36	5.00	35.08	810.00	3.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7173E+01 EXCESS=0.0000E+00 OUTFLOW=0.7173E+01 BASIN STORAGE=0.6363E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	0.80	34.97	810.92	3.28	5.00	34.97	810.00	3.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7003E+01 EXCESS=0.0000E+00 OUTFLOW=0.7003E+01 BASIN STORAGE=0.6561E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	0.80	34.86	811.44	3.20	5.00	34.86	810.00	3.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6828E+01 EXCESS=0.0000E+00 OUTFLOW=0.6828E+01 BASIN STORAGE=0.6459E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AW1	MANE	1.98	116.00	811.58	-1.00	5.00	115.94	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AW1	MANE	2.02	109.85	810.78	-1.00	5.00	109.76	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AW1	MANE	2.05	103.77	810.41	-1.00	5.00	103.69	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AW1	MANE	2.09	97.71	810.53	-1.00	5.00	97.61	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AW1	MANE	2.13	91.71	811.24	-1.00	5.00	91.58	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AW1	MANE	2.17	85.71	810.43	-1.00	5.00	85.61	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.00 135.17 835.36 1.71 5.00 135.17 835.00 1.71

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3287E+02 EXCESS=0.0000E+00 OUTFLOW=0.3287E+02 BASIN STORAGE=0.2152E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.01 133.43 831.27 1.65 5.00 133.40 835.00 1.65

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3167E+02 EXCESS=0.0000E+00 OUTFLOW=0.3167E+02 BASIN STORAGE=0.2137E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.01 131.83 830.97 1.59 5.00 131.81 830.00 1.59

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3048E+02 EXCESS=0.0000E+00 OUTFLOW=0.3048E+02 BASIN STORAGE=0.2059E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.01 130.24 829.66 1.53 5.00 130.24 830.00 1.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2932E+02 EXCESS=0.0000E+00 OUTFLOW=0.2932E+02 BASIN STORAGE=0.2097E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.01 128.85 825.98 1.47 5.00 128.83 825.00 1.47

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2818E+02 EXCESS=0.0000E+00 OUTFLOW=0.2818E+02 BASIN STORAGE=0.2073E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.02 127.52 824.24 1.41 5.00 127.52 825.00 1.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2707E+02 EXCESS=0.0000E+00 OUTFLOW=0.2707E+02 BASIN STORAGE=0.2076E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWF MANE 3.08 90.16 837.11 0.68 5.00 90.11 835.00 0.68

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1311E+02 EXCESS=0.0000E+00 OUTFLOW=0.1311E+02 BASIN STORAGE=0.9912E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWF MANE 3.09 88.40 835.11 0.64 5.00 88.40 835.00 0.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1226E+02 EXCESS=0.0000E+00 OUTFLOW=0.1226E+02 BASIN STORAGE=0.1006E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWF MANE 3.11 86.80 832.70 0.60 5.00 86.76 835.00 0.60

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1142E+02 EXCESS=0.0000E+00 OUTFLOW=0.1142E+02 BASIN STORAGE=0.5192E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWF MANE 3.12 85.22 830.29 0.55 5.00 85.21 830.00 0.55

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1060E+02 EXCESS=0.0000E+00 OUTFLOW=0.1061E+02 BASIN STORAGE=0.5682E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWF MANE 3.13 83.82 827.51 0.51 5.00 83.80 830.00 0.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9791E+01 EXCESS=0.0000E+00 OUTFLOW=0.9794E+01 BASIN STORAGE=0.6130E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWF MANE 3.15 82.51 827.65 0.47 5.00 82.49 825.00 0.47

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8991E+01 EXCESS=0.0000E+00 OUTFLOW=0.8993E+01 BASIN STORAGE=0.6851E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWA MANE 1.22 89.95 810.75 -1.00 5.00 89.94 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWA MANE 1.23 89.40 810.79 -1.00 5.00 89.38 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWA MANE 1.23 88.85 810.82 -1.00 5.00 88.84 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWA MANE 1.23 88.30 810.85 -1.00 5.00 88.29 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWA MANE 1.23 87.76 810.89 -1.00 5.00 87.74 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWA MANE 1.23 87.22 810.91 -1.00 5.00 87.20 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWB MANE 1.91 74.41 811.73 -1.00 5.00 74.36 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWB	MANE	1.91	73.90	813.13	-1.00	5.00	73.86	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AWB	MANE	1.91	73.41	812.62	-1.00	5.00	73.36	815.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AWB	MANE	1.92	72.91	812.11	-1.00	5.00	72.87	815.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AWB	MANE	1.92	72.41	813.50	-1.00	5.00	72.37	815.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT AWB	MANE	1.92	71.92	812.99	-1.00	5.00	71.88	815.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT RSC	MANE	4.00	174.01	828.00	1.20	5.00	173.92	830.00	1.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3269E+02 EXCESS=0.0000E+00 OUTFLOW=0.3271E+02 BASIN STORAGE=0.1620E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RSC	MANE	4.25	171.84	828.75	1.15	5.00	171.80	825.00	1.16
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3139E+02 EXCESS=0.0000E+00 OUTFLOW=0.3140E+02 BASIN STORAGE=0.1893E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT RSC	MANE	3.75	169.81	825.00	1.10	5.00	169.81	825.00	1.11
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3003E+02 EXCESS=0.0000E+00 OUTFLOW=0.3004E+02 BASIN STORAGE=0.1716E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT RSC	MANE	3.75	167.84	825.00	1.06	5.00	167.84	825.00	1.06
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2871E+02 EXCESS=0.0000E+00 OUTFLOW=0.2872E+02 BASIN STORAGE=0.1248E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT RSC	MANE	4.00	165.98	824.00	1.01	5.00	165.93	825.00	1.01
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2739E+02 EXCESS=0.0000E+00 OUTFLOW=0.2740E+02 BASIN STORAGE=0.1526E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT RSC MANE 3.75 164.21 817.50 0.96 5.00 164.18 820.00 0.96

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2609E+02 EXCESS=0.0000E+00 OUTFLOW=0.2610E+02 BASIN STORAGE=0.1752E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT RSA MANE 3.50 5.86 812.00 -1.00 5.00 5.86 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSA MANE 4.00 5.82 812.00 -1.00 5.00 5.81 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSA MANE 4.00 5.77 812.00 -1.00 5.00 5.77 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSA MANE 3.75 5.73 813.75 -1.00 5.00 5.73 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSA MANE 3.75 5.69 813.75 -1.00 5.00 5.69 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSA MANE 3.75 5.64 813.75 -1.00 5.00 5.64 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSB MANE 3.75 15.51 817.50 -1.00 5.00 15.51 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSB MANE 3.50 15.47 815.50 -1.00 5.00 15.46 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSB MANE 3.50 15.42 815.50 -1.00 5.00 15.42 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSB MANE 3.50 15.37 819.00 -1.00 5.00 15.37 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSB MANE 3.25 15.33 815.75 -1.00 5.00 15.32 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT RSB MANE 3.50 15.28 812.00 -1.00 5.00 15.27 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 2.57 197.01 829.11 1.51 5.00 196.98 830.00 1.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4356E+02 EXCESS=0.0000E+00 OUTFLOW=0.4356E+02 BASIN STORAGE=0.6368E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 2.58 194.79 829.09 1.46 5.00 194.74 830.00 1.46

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4203E+02 EXCESS=0.0000E+00 OUTFLOW=0.4203E+02 BASIN STORAGE=0.6523E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 2.59 192.69 826.42 1.40 5.00 192.64 825.00 1.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4040E+02 EXCESS=0.0000E+00 OUTFLOW=0.4041E+02 BASIN STORAGE=0.6738E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 2.60 190.62 826.32 1.35 5.00 190.60 825.00 1.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3882E+02 EXCESS=0.0000E+00 OUTFLOW=0.3883E+02 BASIN STORAGE=0.7166E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 2.61 188.70 820.84 1.29 5.00 188.66 825.00 1.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3723E+02 EXCESS=0.0000E+00 OUTFLOW=0.3724E+02 BASIN STORAGE=0.7550E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 2.61 186.92 820.47 1.24 5.00 186.88 820.00 1.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3564E+02 EXCESS=0.0000E+00 OUTFLOW=0.3564E+02 BASIN STORAGE=0.6607E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWG MANE 1.39 45.11 763.23 -1.00 5.00 45.00 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT AWG MANE 1.39 45.13 763.23 -1.00 5.00 45.00 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00									
RT AWG	MANE	1.39	45.15	763.23	-1.00	5.00	45.00	775.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT AWG	MANE	1.39	45.17	763.23	-1.00	5.00	45.00	775.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT AWG	MANE	1.39	45.19	763.23	-1.00	5.00	45.00	775.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT AWG	MANE	1.39	45.06	766.01	-1.00	5.00	45.00	775.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT I1A	MANE	3.29	76.28	829.16	-1.00	5.00	76.28	830.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT I1A	MANE	3.29	76.26	825.95	-1.00	5.00	76.26	825.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT I1A	MANE	3.29	76.24	826.02	-1.00	5.00	76.24	825.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT I1A	MANE	3.29	76.22	822.80	-1.00	5.00	76.22	825.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT I1A	MANE	3.29	76.20	822.87	-1.00	5.00	76.20	820.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT I1A	MANE	3.29	76.18	819.64	-1.00	5.00	76.18	820.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT S12	MANE	2.16	47.37	828.67	-1.00	5.00	47.37	830.00	-1.00
FOR PLAN = 1 RATIO= 0.00									
RT S12	MANE	2.16	47.36	828.69	-1.00	5.00	47.36	830.00	-1.00

FOR PLAN = 1 RATIO= 0.00

RT S12	MANE	2.16	47.36	826.54	-1.00	5.00	47.36	825.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT S12	MANE	2.16	47.36	824.40	-1.00	5.00	47.36	825.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT S12	MANE	2.16	47.36	822.26	-1.00	5.00	47.36	825.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT S12	MANE	2.16	47.36	822.27	-1.00	5.00	47.36	820.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1A	MANE	1.65	11.40	767.34	8.79	5.00	11.38	770.00	8.79
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4690E+01 EXCESS=0.0000E+00 OUTFLOW=0.4690E+01 BASIN STORAGE=0.1704E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A	MANE	1.65	11.37	767.84	8.57	5.00	11.35	770.00	8.57
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4571E+01 EXCESS=0.0000E+00 OUTFLOW=0.4571E+01 BASIN STORAGE=0.1637E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A	MANE	1.65	11.35	768.32	8.36	5.00	11.33	770.00	8.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4456E+01 EXCESS=0.0000E+00 OUTFLOW=0.4456E+01 BASIN STORAGE=0.1105E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A	MANE	1.65	11.32	768.71	8.15	5.00	11.31	770.00	8.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4344E+01 EXCESS=0.0000E+00 OUTFLOW=0.4344E+01 BASIN STORAGE=0.1144E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A	MANE	1.65	11.29	772.23	7.95	5.00	11.29	770.00	7.95
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4239E+01 EXCESS=0.0000E+00 OUTFLOW=0.4239E+01 BASIN STORAGE=0.1039E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A	MANE	1.65	11.27	772.50	7.76	5.00	11.27	775.00	7.76
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4139E+01 EXCESS=0.0000E+00 OUTFLOW=0.4138E+01 BASIN STORAGE=0.1363E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD	MANE	3.25	11.37	770.61	8.80	5.00	11.36	770.00	8.80
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4690E+01 EXCESS=0.0000E+00 OUTFLOW=0.4691E+01 BASIN STORAGE=0.4751E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD	MANE	3.25	11.35	771.03	8.57	5.00	11.33	775.00	8.57
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4572E+01 EXCESS=0.0000E+00 OUTFLOW=0.4572E+01 BASIN STORAGE=0.4820E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD	MANE	3.25	11.33	773.50	8.36	5.00	11.32	775.00	8.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4456E+01 EXCESS=0.0000E+00 OUTFLOW=0.4456E+01 BASIN STORAGE=0.4661E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD	MANE	3.26	11.31	771.86	8.15	5.00	11.28	775.00	8.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4344E+01 EXCESS=0.0000E+00 OUTFLOW=0.4345E+01 BASIN STORAGE=0.3673E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD	MANE	3.26	11.29	772.25	7.95	5.00	11.27	775.00	7.95
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4239E+01 EXCESS=0.0000E+00 OUTFLOW=0.4240E+01 BASIN STORAGE=0.5411E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD	MANE	3.26	11.26	772.68	7.76	5.00	11.26	775.00	7.76
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4139E+01 EXCESS=0.0000E+00 OUTFLOW=0.4140E+01 BASIN STORAGE=0.3995E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 1.00

RT LEB	MANE	1.82	15.69	749.59	-1.00	5.00	15.63	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.99

RT LEB	MANE	1.84	14.14	750.08	-1.00	5.00	14.07	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.98

RT LEB	MANE	1.83	12.63	750.40	-1.00	5.00	12.39	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.97

RT LEB MANE 1.65 11.12 750.71 -1.00 5.00 10.51 750.00 -1.00

FOR PLAN = 1 RATIO= 0.96

RT LEB MANE 0.92 9.60 752.13 -1.00 5.00 9.26 755.00 -1.00

FOR PLAN = 1 RATIO= 0.95

RT LEB MANE 0.94 8.14 752.52 -1.00 5.00 7.94 755.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 82.03 750.00 0.46 5.00 82.03 750.00 0.46

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5039E+02 EXCESS=0.0000E+00 OUTFLOW=0.5039E+02 BASIN STORAGE=0.3116E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 81.21 750.00 0.46 5.00 81.21 750.00 0.46

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4985E+02 EXCESS=0.0000E+00 OUTFLOW=0.4985E+02 BASIN STORAGE=0.3096E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 79.96 750.00 0.45 5.00 79.96 750.00 0.45

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4928E+02 EXCESS=0.0000E+00 OUTFLOW=0.4929E+02 BASIN STORAGE=0.4002E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 78.96 750.00 0.45 5.00 78.96 750.00 0.45

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4873E+02 EXCESS=0.0000E+00 OUTFLOW=0.4873E+02 BASIN STORAGE=0.3974E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 78.32 815.00 0.44 5.00 78.32 815.00 0.44

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4819E+02 EXCESS=0.0000E+00 OUTFLOW=0.4819E+02 BASIN STORAGE=0.3952E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 77.90 820.00 0.44 5.00 77.90 820.00 0.44

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4763E+02 EXCESS=0.0000E+00 OUTFLOW=0.4763E+02 BASIN STORAGE=0.3912E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1B MANE 1.50 121.58 750.00 -1.00 5.00 121.58 750.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT C1B	MANE	1.25	118.92	750.00	-1.00	5.00	118.92	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT C1B	MANE	1.25	116.43	750.00	-1.00	5.00	116.43	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT C1B	MANE	1.25	114.04	750.00	-1.00	5.00	114.04	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT C1B	MANE	1.25	111.65	750.00	-1.00	5.00	111.65	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT C1B	MANE	1.00	109.08	749.00	-1.00	5.00	108.74	750.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	2.84	467.77	750.39	0.68	5.00	465.52	750.00	0.68
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8633E+02 EXCESS=0.0000E+00 OUTFLOW=0.8632E+02 BASIN STORAGE=0.1556E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	2.86	462.14	751.08	0.67	5.00	457.64	750.00	0.67
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8511E+02 EXCESS=0.0000E+00 OUTFLOW=0.8510E+02 BASIN STORAGE=0.1461E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	2.87	453.28	751.94	0.66	5.00	448.91	750.00	0.66
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8390E+02 EXCESS=0.0000E+00 OUTFLOW=0.8390E+02 BASIN STORAGE=0.1609E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	2.88	444.92	752.66	0.65	5.00	443.37	750.00	0.65
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8274E+02 EXCESS=0.0000E+00 OUTFLOW=0.8274E+02 BASIN STORAGE=0.1574E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	2.90	439.46	750.81	0.64	5.00	435.50	750.00	0.64
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8158E+02 EXCESS=0.0000E+00 OUTFLOW=0.8157E+02 BASIN STORAGE=0.1403E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	2.92	430.35	752.16	0.63	5.00	424.86	750.00	0.63
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8032E+02 EXCESS=0.0000E+00 OUTFLOW=0.8032E+02 BASIN STORAGE=0.1492E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D	MANE	4.37	464.77	755.31	0.68	5.00	463.13	755.00	0.68
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8634E+02 EXCESS=0.0000E+00 OUTFLOW=0.8634E+02 BASIN STORAGE=0.2586E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D	MANE	4.39	458.01	755.08	0.67	5.00	457.48	755.00	0.67
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8511E+02 EXCESS=0.0000E+00 OUTFLOW=0.8511E+02 BASIN STORAGE=0.2338E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D	MANE	4.42	448.79	755.36	0.66	5.00	446.61	755.00	0.66
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8390E+02 EXCESS=0.0000E+00 OUTFLOW=0.8390E+02 BASIN STORAGE=0.2421E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D	MANE	4.44	444.64	753.95	0.65	5.00	441.07	755.00	0.65
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8279E+02 EXCESS=0.0000E+00 OUTFLOW=0.8279E+02 BASIN STORAGE=0.2600E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D	MANE	4.46	437.01	753.85	0.64	5.00	432.69	755.00	0.64
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8163E+02 EXCESS=0.0000E+00 OUTFLOW=0.8163E+02 BASIN STORAGE=0.2336E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D	MANE	4.50	425.78	755.39	0.63	5.00	423.39	755.00	0.63
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8033E+02 EXCESS=0.0000E+00 OUTFLOW=0.8033E+02 BASIN STORAGE=0.2838E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1D	MANE	2.21	29.33	767.75	-1.00	5.00	29.33	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1D	MANE	2.21	29.32	767.85	-1.00	5.00	29.32	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1D	MANE	2.21	29.31	770.14	-1.00	5.00	29.31	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1D	MANE	2.21	29.30	770.21	-1.00	5.00	29.29	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1D	MANE	2.21	29.28	770.25	-1.00	5.00	29.28	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1D	MANE	2.21	29.27	774.72	-1.00	5.00	29.27	775.00	-1.00
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FOR PLAN = 1 RATIO= 1.00

RT T1E	MANE	1.65	20.33	739.63	-1.00	5.00	20.28	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.99

RT T1E	MANE	1.67	19.57	739.78	-1.00	5.00	19.51	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.98

RT T1E	MANE	1.68	18.83	739.94	-1.00	5.00	18.80	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.97

RT T1E	MANE	1.70	18.03	740.11	-1.00	5.00	17.85	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.96

RT T1E	MANE	1.72	17.07	740.31	-1.00	5.00	16.62	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.95

RT T1E	MANE	1.74	16.12	740.53	-1.00	5.00	15.45	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1F	MANE	0.68	201.24	815.34	-1.00	5.00	201.23	815.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1F	MANE	0.68	199.75	801.31	-1.00	5.00	199.68	805.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1F	MANE	0.68	198.34	806.05	-1.00	5.00	198.21	805.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1F	MANE	0.68	196.80	806.28	-1.00	5.00	196.57	805.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1F	MANE	0.68	195.12	810.73	-1.00	5.00	195.10	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T1F	MANE	0.68	193.59	810.96	-1.00	5.00	193.40	810.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2A	MANE	1.14	271.13	742.36	87.14	5.00	270.11	745.00	87.16
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9295E+02 EXCESS=0.0000E+00 OUTFLOW=0.9295E+02 BASIN STORAGE=0.2454E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A	MANE	1.15	266.06	742.56	85.17	5.00	265.19	745.00	85.18
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9085E+02 EXCESS=0.0000E+00 OUTFLOW=0.9085E+02 BASIN STORAGE=0.2374E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A	MANE	1.15	260.50	742.05	83.12	5.00	258.53	745.00	83.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8867E+02 EXCESS=0.0000E+00 OUTFLOW=0.8867E+02 BASIN STORAGE=0.2298E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A	MANE	1.16	255.43	742.43	81.10	5.00	254.14	745.00	81.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8651E+02 EXCESS=0.0000E+00 OUTFLOW=0.8651E+02 BASIN STORAGE=0.2491E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A	MANE	1.16	250.42	744.83	79.11	5.00	250.27	745.00	79.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8439E+02 EXCESS=0.0000E+00 OUTFLOW=0.8439E+02 BASIN STORAGE=0.2291E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A	MANE	1.17	243.82	745.14	77.10	5.00	243.68	745.00	77.11
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8224E+02 EXCESS=0.0000E+00 OUTFLOW=0.8224E+02 BASIN STORAGE=0.2307E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C	MANE	5.00	271.45	750.00	87.17	5.00	271.45	750.00	87.17
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9297E+02 EXCESS=0.0000E+00 OUTFLOW=0.9298E+02 BASIN STORAGE=0.2532E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C	MANE	5.00	266.52	750.00	85.20	5.00	266.52	750.00	85.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9086E+02 EXCESS=0.0000E+00 OUTFLOW=0.9088E+02 BASIN STORAGE=0.2508E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C	MANE	5.00	261.08	755.00	83.15	5.00	261.08	755.00	83.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8868E+02 EXCESS=0.0000E+00 OUTFLOW=0.8869E+02 BASIN STORAGE=0.2486E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C	MANE	5.00	257.69	755.00	81.13	5.00	257.69	755.00	81.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8652E+02 EXCESS=0.0000E+00 OUTFLOW=0.8654E+02 BASIN STORAGE=0.2399E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C	MANE	5.00	253.99	755.00	79.14	5.00	253.99	755.00	79.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8440E+02 EXCESS=0.0000E+00 OUTFLOW=0.8442E+02 BASIN STORAGE=0.2370E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C	MANE	5.00	247.21	755.00	77.13	5.00	247.21	755.00	77.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8225E+02 EXCESS=0.0000E+00 OUTFLOW=0.8227E+02 BASIN STORAGE=0.2343E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2E	MANE	4.38	18.18	723.26	-1.00	5.00	18.06	725.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2E	MANE	4.38	18.23	723.26	-1.00	5.00	18.08	725.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2E	MANE	4.38	18.28	723.26	-1.00	5.00	18.10	725.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.33 723.26 -1.00 5.00 18.12 725.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.38 723.26 -1.00 5.00 18.14 725.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.43 723.26 -1.00 5.00 18.16 725.00 -1.00

FOR PLAN = 1 RATIO= 1.00

RT MO2 MANE 2.83 443.73 781.70 2.23 5.00 434.12 780.00 2.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6651E+02 EXCESS=0.0000E+00 OUTFLOW=0.6662E+02 BASIN STORAGE=0.4004E-05 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.99

RT MO2 MANE 2.81 426.46 781.67 2.15 5.00 417.79 785.00 2.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6426E+02 EXCESS=0.0000E+00 OUTFLOW=0.6418E+02 BASIN STORAGE=0.4949E-05 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.98

RT MO2 MANE 2.85 405.77 782.41 2.07 5.00 403.84 785.00 2.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6195E+02 EXCESS=0.0000E+00 OUTFLOW=0.6186E+02 BASIN STORAGE=0.3392E-05 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.97

RT MO2 MANE 2.85 388.92 785.74 2.00 5.00 388.48 785.00 2.00

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5969E+02 EXCESS=0.0000E+00 OUTFLOW=0.5965E+02 BASIN STORAGE=0.3723E-05 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.96

RT MO2 MANE 2.92 370.90 786.46 1.92 5.00 369.94 785.00 1.93

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5750E+02 EXCESS=0.0000E+00 OUTFLOW=0.5748E+02 BASIN STORAGE=0.4125E-05 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.95

RT MO2 MANE 3.04 356.84 786.08 1.85 5.00 353.31 785.00 1.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5529E+02 EXCESS=0.0000E+00 OUTFLOW=0.5531E+02 BASIN STORAGE=0.3137E-05 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3 MANE 4.64 370.60 780.14 2.38 5.00 370.56 780.00 2.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6739E+02 EXCESS=0.0000E+00 OUTFLOW=0.6739E+02 BASIN STORAGE=0.1215E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	4.66	365.22	778.32	2.35	5.00	363.81	780.00	2.35
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6642E+02 EXCESS=0.0000E+00 OUTFLOW=0.6642E+02 BASIN STORAGE=0.1076E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	4.68	359.02	776.50	2.31	5.00	358.71	780.00	2.31
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6543E+02 EXCESS=0.0000E+00 OUTFLOW=0.6543E+02 BASIN STORAGE=0.1305E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	4.70	355.21	779.41	2.28	5.00	354.47	780.00	2.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6450E+02 EXCESS=0.0000E+00 OUTFLOW=0.6450E+02 BASIN STORAGE=0.1197E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	4.71	348.95	777.65	2.25	5.00	347.76	780.00	2.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6349E+02 EXCESS=0.0000E+00 OUTFLOW=0.6349E+02 BASIN STORAGE=0.1049E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	4.73	343.59	780.63	2.21	5.00	343.48	780.00	2.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6256E+02 EXCESS=0.0000E+00 OUTFLOW=0.6256E+02 BASIN STORAGE=0.1260E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 1.00

RT MO4	MANE	0.93	370.27	781.50	2.38	5.00	369.69	780.00	2.38
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6740E+02 EXCESS=0.0000E+00 OUTFLOW=0.6741E+02 BASIN STORAGE=0.1087E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.99

RT MO4	MANE	1.01	363.50	781.19	2.35	5.00	363.19	780.00	2.35
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6642E+02 EXCESS=0.0000E+00 OUTFLOW=0.6643E+02 BASIN STORAGE=0.1093E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.98

RT MO4	MANE	1.02	358.31	781.36	2.31	5.00	357.87	780.00	2.31
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6542E+02 EXCESS=0.0000E+00 OUTFLOW=0.6543E+02 BASIN STORAGE=0.9628E-07 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.97

RT MO4 MANE 1.00 354.19 781.15 2.28 5.00 353.91 780.00 2.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6453E+02 EXCESS=0.0000E+00 OUTFLOW=0.6454E+02 BASIN STORAGE=0.1161E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.96

RT MO4 MANE 1.00 347.42 781.69 2.25 5.00 346.99 780.00 2.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6346E+02 EXCESS=0.0000E+00 OUTFLOW=0.6347E+02 BASIN STORAGE=0.1451E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.95

RT MO4 MANE 1.01 343.12 781.58 2.21 5.00 342.59 780.00 2.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6257E+02 EXCESS=0.0000E+00 OUTFLOW=0.6258E+02 BASIN STORAGE=0.1135E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 139.11 1115.00 2.57 5.00 139.11 1115.00 2.57

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3093E+03 EXCESS=0.0000E+00 OUTFLOW=0.3104E+03 BASIN STORAGE=-.1192E+01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 135.67 1120.00 2.53 5.00 135.67 1120.00 2.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3038E+03 EXCESS=0.0000E+00 OUTFLOW=0.3049E+03 BASIN STORAGE=-.1197E+01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 132.35 1125.00 2.48 5.00 132.35 1125.00 2.48

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2985E+03 EXCESS=0.0000E+00 OUTFLOW=0.2996E+03 BASIN STORAGE=-.1202E+01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 129.15 1125.00 2.44 5.00 129.15 1125.00 2.44

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2934E+03 EXCESS=0.0000E+00 OUTFLOW=0.2945E+03 BASIN STORAGE=-.1206E+01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 125.87 1130.00 2.40 5.00 125.87 1130.00 2.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2881E+03 EXCESS=0.0000E+00 OUTFLOW=0.2892E+03 BASIN STORAGE=-.1211E+01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 122.75 1130.00 2.36 5.00 122.75 1130.00 2.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2831E+03 EXCESS=0.0000E+00 OUTFLOW=0.2842E+03 BASIN STORAGE=-.1216E+01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBG	MANE	1.75	10.05	773.50	1.10	5.00	10.01	775.00	1.10
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2943E+01 EXCESS=0.0000E+00 OUTFLOW=0.2943E+01 BASIN STORAGE=0.2703E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBG	MANE	1.75	9.72	773.50	1.08	5.00	9.68	775.00	1.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2872E+01 EXCESS=0.0000E+00 OUTFLOW=0.2872E+01 BASIN STORAGE=0.2669E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBG	MANE	1.75	9.39	773.50	1.05	5.00	9.36	775.00	1.05
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2801E+01 EXCESS=0.0000E+00 OUTFLOW=0.2802E+01 BASIN STORAGE=0.2702E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBG	MANE	1.75	9.07	773.50	1.02	5.00	9.04	775.00	1.02
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2732E+01 EXCESS=0.0000E+00 OUTFLOW=0.2732E+01 BASIN STORAGE=0.2666E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBG	MANE	1.75	8.74	773.50	1.00	5.00	8.72	775.00	1.00
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2662E+01 EXCESS=0.0000E+00 OUTFLOW=0.2662E+01 BASIN STORAGE=0.2698E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBG	MANE	1.75	8.42	773.50	0.97	5.00	8.40	775.00	0.97
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2593E+01 EXCESS=0.0000E+00 OUTFLOW=0.2593E+01 BASIN STORAGE=0.2657E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA	MANE	2.11	39.50	762.49	1.32	5.00	39.40	760.00	1.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7759E+01 EXCESS=0.0000E+00 OUTFLOW=0.7759E+01 BASIN STORAGE=0.2831E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA	MANE	2.12	39.23	763.74	1.30	5.00	39.18	760.00	1.30
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7652E+01 EXCESS=0.0000E+00 OUTFLOW=0.7652E+01 BASIN STORAGE=0.3209E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 2.12 38.98 763.08 1.28 5.00 38.81 760.00 1.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7532E+01 EXCESS=0.0000E+00 OUTFLOW=0.7532E+01 BASIN STORAGE=0.2998E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 2.12 38.60 762.87 1.26 5.00 38.46 765.00 1.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7406E+01 EXCESS=0.0000E+00 OUTFLOW=0.7406E+01 BASIN STORAGE=0.3047E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 2.13 38.20 762.73 1.24 5.00 38.11 765.00 1.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7280E+01 EXCESS=0.0000E+00 OUTFLOW=0.7280E+01 BASIN STORAGE=0.3072E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 2.14 37.80 762.71 1.22 5.00 37.74 765.00 1.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7156E+01 EXCESS=0.0000E+00 OUTFLOW=0.7156E+01 BASIN STORAGE=0.3045E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 5.00 49.01 770.00 1.25 5.00 49.01 770.00 1.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1070E+02 EXCESS=0.0000E+00 OUTFLOW=0.1070E+02 BASIN STORAGE=0.1041E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 5.00 48.44 770.00 1.23 5.00 48.44 770.00 1.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1052E+02 EXCESS=0.0000E+00 OUTFLOW=0.1052E+02 BASIN STORAGE=0.1029E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 5.00 47.78 770.00 1.21 5.00 47.78 770.00 1.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1033E+02 EXCESS=0.0000E+00 OUTFLOW=0.1033E+02 BASIN STORAGE=0.1011E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 5.00 47.17 770.00 1.19 5.00 47.17 770.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1014E+02 EXCESS=0.0000E+00 OUTFLOW=0.1014E+02 BASIN STORAGE=0.9995E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 5.00 46.47 770.00 1.17 5.00 46.47 770.00 1.17

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9942E+01 EXCESS=0.0000E+00 OUTFLOW=0.9943E+01 BASIN STORAGE=0.9811E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB	MANE	5.00	45.67	770.00	1.14	5.00	45.67	770.00	1.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9748E+01 EXCESS=0.0000E+00 OUTFLOW=0.9749E+01 BASIN STORAGE=0.1047E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT E1S	MANE	1.00	9.36	763.00	-1.00	5.00	8.81	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E1S	MANE	1.00	7.62	763.00	-1.00	5.00	7.31	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E1S	MANE	1.00	5.85	764.00	-1.00	5.00	5.78	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E1S	MANE	1.00	4.91	764.00	-1.00	5.00	4.89	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E1S	MANE	1.00	3.96	765.00	-1.00	5.00	3.96	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E1S	MANE	1.00	2.97	765.00	-1.00	5.00	2.97	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.28	102.49	765.34	1.12	5.00	102.33	765.00	1.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2096E+02 EXCESS=0.0000E+00 OUTFLOW=0.2096E+02 BASIN STORAGE=0.2189E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.29	99.41	766.17	1.10	5.00	99.29	765.00	1.10
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2057E+02 EXCESS=0.0000E+00 OUTFLOW=0.2057E+02 BASIN STORAGE=0.2204E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.30	96.40	765.86	1.08	5.00	96.16	765.00	1.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2019E+02 EXCESS=0.0000E+00 OUTFLOW=0.2019E+02 BASIN STORAGE=0.2377E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC MANE 1.31 93.76 766.17 1.06 5.00 93.56 765.00 1.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1982E+02 EXCESS=0.0000E+00 OUTFLOW=0.1982E+02 BASIN STORAGE=0.2370E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC MANE 1.32 91.02 765.29 1.04 5.00 90.86 765.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1945E+02 EXCESS=0.0000E+00 OUTFLOW=0.1945E+02 BASIN STORAGE=0.2317E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC MANE 1.33 88.40 765.93 1.02 5.00 88.07 765.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1908E+02 EXCESS=0.0000E+00 OUTFLOW=0.1908E+02 BASIN STORAGE=0.2197E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 5.00 102.52 770.00 1.12 5.00 102.52 770.00 1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2096E+02 EXCESS=0.0000E+00 OUTFLOW=0.2097E+02 BASIN STORAGE=0.1498E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 5.00 99.44 770.00 1.10 5.00 99.44 770.00 1.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2058E+02 EXCESS=0.0000E+00 OUTFLOW=0.2058E+02 BASIN STORAGE=0.1482E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 5.00 96.36 770.00 1.08 5.00 96.36 770.00 1.08

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2020E+02 EXCESS=0.0000E+00 OUTFLOW=0.2020E+02 BASIN STORAGE=0.1543E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 5.00 93.63 770.00 1.06 5.00 93.63 770.00 1.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1982E+02 EXCESS=0.0000E+00 OUTFLOW=0.1983E+02 BASIN STORAGE=0.1528E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 5.00 90.85 770.00 1.04 5.00 90.85 770.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1945E+02 EXCESS=0.0000E+00 OUTFLOW=0.1946E+02 BASIN STORAGE=0.1512E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 5.00 87.87 770.00 1.02 5.00 87.87 770.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1909E+02 EXCESS=0.0000E+00 OUTFLOW=0.1909E+02 BASIN STORAGE=0.1502E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PE3 MANE 2.00 74.81 766.00 -1.00 5.00 74.68 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT PE3 MANE 2.00 72.81 766.00 -1.00 5.00 72.63 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT PE3 MANE 2.00 70.89 766.00 -1.00 5.00 70.71 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT PE3 MANE 2.00 69.17 766.00 -1.00 5.00 68.96 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT PE3 MANE 2.00 67.42 766.00 -1.00 5.00 67.19 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT PE3 MANE 2.00 65.72 768.00 -1.00 5.00 65.51 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 1.68 32.94 751.06 1.64 5.00 32.91 750.00 1.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7885E+01 EXCESS=0.0000E+00 OUTFLOW=0.7885E+01 BASIN STORAGE=0.2249E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 1.69 32.87 751.61 1.62 5.00 32.81 750.00 1.62

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7789E+01 EXCESS=0.0000E+00 OUTFLOW=0.7789E+01 BASIN STORAGE=0.2315E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 1.69 32.77 752.14 1.60 5.00 32.73 750.00 1.60

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7694E+01 EXCESS=0.0000E+00 OUTFLOW=0.7694E+01 BASIN STORAGE=0.2391E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 1.69 32.66 752.68 1.58 5.00 32.64 750.00 1.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7601E+01 EXCESS=0.0000E+00 OUTFLOW=0.7601E+01 BASIN STORAGE=0.2170E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 1.69 32.59 751.54 1.56 5.00 32.54 750.00 1.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7506E+01 EXCESS=0.0000E+00 OUTFLOW=0.7506E+01 BASIN STORAGE=0.2262E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 1.69 32.50 752.08 1.54 5.00 32.45 750.00 1.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7410E+01 EXCESS=0.0000E+00 OUTFLOW=0.7410E+01 BASIN STORAGE=0.2335E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 33.20 755.00 1.64 5.00 33.20 755.00 1.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7885E+01 EXCESS=0.0000E+00 OUTFLOW=0.7886E+01 BASIN STORAGE=0.1897E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 33.15 755.00 1.62 5.00 33.15 755.00 1.62

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7789E+01 EXCESS=0.0000E+00 OUTFLOW=0.7791E+01 BASIN STORAGE=0.1850E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 33.09 755.00 1.60 5.00 33.09 755.00 1.60

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7696E+01 EXCESS=0.0000E+00 OUTFLOW=0.7698E+01 BASIN STORAGE=0.1834E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 32.94 755.00 1.58 5.00 32.94 755.00 1.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7601E+01 EXCESS=0.0000E+00 OUTFLOW=0.7603E+01 BASIN STORAGE=0.1819E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 32.88 755.00 1.56 5.00 32.88 755.00 1.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7506E+01 EXCESS=0.0000E+00 OUTFLOW=0.7508E+01 BASIN STORAGE=0.1805E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 32.87 755.00 1.54 5.00 32.87 755.00 1.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7411E+01 EXCESS=0.0000E+00 OUTFLOW=0.7413E+01 BASIN STORAGE=0.1787E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1 MANE 3.66 110.56 757.64 0.87 5.00 110.34 760.00 0.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4610E+02 EXCESS=0.0000E+00 OUTFLOW=0.4610E+02 BASIN STORAGE=0.7243E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	3.66	110.19	758.27	0.86	5.00	110.08	760.00	0.86
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4559E+02 EXCESS=0.0000E+00 OUTFLOW=0.4559E+02 BASIN STORAGE=0.6960E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	3.67	109.73	759.24	0.85	5.00	109.70	760.00	0.85
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4508E+02 EXCESS=0.0000E+00 OUTFLOW=0.4508E+02 BASIN STORAGE=0.7052E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	3.67	109.26	759.96	0.84	5.00	109.26	760.00	0.84
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4456E+02 EXCESS=0.0000E+00 OUTFLOW=0.4456E+02 BASIN STORAGE=0.7177E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	3.68	108.42	764.83	0.83	5.00	108.38	765.00	0.83
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4403E+02 EXCESS=0.0000E+00 OUTFLOW=0.4403E+02 BASIN STORAGE=0.7165E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	3.69	107.61	762.98	0.82	5.00	107.45	760.00	0.82
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4349E+02 EXCESS=0.0000E+00 OUTFLOW=0.4349E+02 BASIN STORAGE=0.6946E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SV6	MANE	5.00	162.66	765.00	0.92	5.00	162.66	765.00	0.92
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5220E+02 EXCESS=0.0000E+00 OUTFLOW=0.5224E+02 BASIN STORAGE=0.1121E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SV6	MANE	5.00	160.93	765.00	0.90	5.00	160.93	765.00	0.90
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5158E+02 EXCESS=0.0000E+00 OUTFLOW=0.5162E+02 BASIN STORAGE=0.1111E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SV6	MANE	5.00	158.78	765.00	0.89	5.00	158.78	765.00	0.89
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5095E+02 EXCESS=0.0000E+00 OUTFLOW=0.5099E+02 BASIN STORAGE=0.1058E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SV6 MANE 5.00 156.37 765.00 0.88 5.00 156.37 765.00 0.88

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5031E+02 EXCESS=0.0000E+00 OUTFLOW=0.5036E+02 BASIN STORAGE=0.1047E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SV6 MANE 5.00 153.02 765.00 0.87 5.00 153.02 765.00 0.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4967E+02 EXCESS=0.0000E+00 OUTFLOW=0.4972E+02 BASIN STORAGE=0.1101E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SV6 MANE 5.00 151.29 770.00 0.86 5.00 151.29 770.00 0.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4902E+02 EXCESS=0.0000E+00 OUTFLOW=0.4908E+02 BASIN STORAGE=0.1043E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 0.82 145.12 821.35 1.15 5.00 145.09 825.00 1.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8979E+02 EXCESS=0.0000E+00 OUTFLOW=0.8979E+02 BASIN STORAGE=0.8327E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 0.82 141.75 825.21 1.13 5.00 141.75 825.00 1.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8851E+02 EXCESS=0.0000E+00 OUTFLOW=0.8851E+02 BASIN STORAGE=0.8332E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 0.82 138.26 826.04 1.12 5.00 138.22 825.00 1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8722E+02 EXCESS=0.0000E+00 OUTFLOW=0.8722E+02 BASIN STORAGE=0.8332E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 0.83 134.83 826.91 1.10 5.00 134.82 830.00 1.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8593E+02 EXCESS=0.0000E+00 OUTFLOW=0.8593E+02 BASIN STORAGE=0.8336E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 0.83 131.25 830.52 1.08 5.00 131.23 830.00 1.08

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8464E+02 EXCESS=0.0000E+00 OUTFLOW=0.8464E+02 BASIN STORAGE=0.8319E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 0.84 127.84 831.59 1.07 5.00 127.83 835.00 1.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8335E+02 EXCESS=0.0000E+00 OUTFLOW=0.8335E+02 BASIN STORAGE=0.8326E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B	MANE	5.00	145.05	825.00	1.15	5.00	145.05	825.00	1.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8979E+02 EXCESS=0.0000E+00 OUTFLOW=0.8979E+02 BASIN STORAGE=0.1108E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B	MANE	4.75	141.62	831.25	1.13	5.00	141.62	830.00	1.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8851E+02 EXCESS=0.0000E+00 OUTFLOW=0.8851E+02 BASIN STORAGE=0.1110E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B	MANE	4.75	138.17	831.25	1.12	5.00	138.12	830.00	1.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8722E+02 EXCESS=0.0000E+00 OUTFLOW=0.8723E+02 BASIN STORAGE=0.1105E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B	MANE	5.00	134.78	835.00	1.10	5.00	134.78	835.00	1.10
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8594E+02 EXCESS=0.0000E+00 OUTFLOW=0.8594E+02 BASIN STORAGE=0.1106E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B	MANE	5.00	131.22	835.00	1.08	5.00	131.22	835.00	1.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8465E+02 EXCESS=0.0000E+00 OUTFLOW=0.8465E+02 BASIN STORAGE=0.1106E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B	MANE	5.00	127.79	840.00	1.07	5.00	127.79	840.00	1.07
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8335E+02 EXCESS=0.0000E+00 OUTFLOW=0.8335E+02 BASIN STORAGE=0.1094E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL	MANE	3.64	153.47	829.01	1.21	5.00	153.40	830.00	1.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1019E+03 EXCESS=0.0000E+00 OUTFLOW=0.1019E+03 BASIN STORAGE=0.1239E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL	MANE	3.66	149.74	828.12	1.20	5.00	149.73	830.00	1.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1005E+03 EXCESS=0.0000E+00 OUTFLOW=0.1005E+03 BASIN STORAGE=0.1224E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 3.69 146.05 830.89 1.18 5.00 146.00 830.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9900E+02 EXCESS=0.0000E+00 OUTFLOW=0.9900E+02 BASIN STORAGE=0.1223E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 3.72 142.63 833.47 1.16 5.00 142.56 835.00 1.16

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9753E+02 EXCESS=0.0000E+00 OUTFLOW=0.9753E+02 BASIN STORAGE=0.1225E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 3.74 138.80 834.67 1.14 5.00 138.79 835.00 1.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9606E+02 EXCESS=0.0000E+00 OUTFLOW=0.9605E+02 BASIN STORAGE=0.1224E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 3.76 135.19 839.09 1.13 5.00 135.15 840.00 1.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9457E+02 EXCESS=0.0000E+00 OUTFLOW=0.9457E+02 BASIN STORAGE=0.1222E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT E2A MANE 1.47 28.67 767.46 -1.00 5.00 28.64 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2A MANE 1.47 28.64 767.65 -1.00 5.00 28.62 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2A MANE 1.47 28.62 767.83 -1.00 5.00 28.60 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2A MANE 1.47 28.59 767.98 -1.00 5.00 28.58 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2A MANE 1.47 28.57 771.01 -1.00 5.00 28.56 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2A MANE 1.47 28.55 771.11 -1.00 5.00 28.54 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2B MANE 1.85 28.64 768.83 -1.00 5.00 28.63 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT E2B	MANE	1.85	28.62	772.67	-1.00	5.00	28.60	770.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E2B	MANE	1.85	28.60	772.83	-1.00	5.00	28.58	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E2B	MANE	1.85	28.58	772.98	-1.00	5.00	28.56	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E2B	MANE	1.85	28.56	773.13	-1.00	5.00	28.55	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT E2B	MANE	1.85	28.54	773.24	-1.00	5.00	28.53	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SV3	MANE	5.00	185.55	755.00	4.24	5.00	185.55	755.00	4.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2032E+02 EXCESS=0.0000E+00 OUTFLOW=0.2035E+02 BASIN STORAGE=0.8646E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3	MANE	5.00	184.10	755.00	4.16	5.00	184.10	755.00	4.16
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1993E+02 EXCESS=0.0000E+00 OUTFLOW=0.1996E+02 BASIN STORAGE=0.8604E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3	MANE	5.00	184.84	755.00	4.08	5.00	184.84	755.00	4.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1957E+02 EXCESS=0.0000E+00 OUTFLOW=0.1959E+02 BASIN STORAGE=0.6292E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3	MANE	5.00	183.14	755.00	4.01	5.00	183.14	755.00	4.01
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1921E+02 EXCESS=0.0000E+00 OUTFLOW=0.1924E+02 BASIN STORAGE=0.6262E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3	MANE	5.00	181.36	755.00	3.94	5.00	181.36	755.00	3.94
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1889E+02 EXCESS=0.0000E+00 OUTFLOW=0.1891E+02 BASIN STORAGE=0.6233E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 179.53 755.00 3.87 5.00 179.53 755.00 3.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1857E+02 EXCESS=0.0000E+00 OUTFLOW=0.1859E+02 BASIN STORAGE=0.6202E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 91.81 750.00 2.75 5.00 91.81 750.00 2.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7330E+01 EXCESS=0.0000E+00 OUTFLOW=0.7336E+01 BASIN STORAGE=0.4803E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 90.50 750.00 2.72 5.00 90.50 750.00 2.72

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7234E+01 EXCESS=0.0000E+00 OUTFLOW=0.7240E+01 BASIN STORAGE=0.4778E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 89.19 750.00 2.68 5.00 89.19 750.00 2.68

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7138E+01 EXCESS=0.0000E+00 OUTFLOW=0.7144E+01 BASIN STORAGE=0.4754E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 87.87 750.00 2.64 5.00 87.87 750.00 2.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7042E+01 EXCESS=0.0000E+00 OUTFLOW=0.7048E+01 BASIN STORAGE=0.4730E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 86.55 750.00 2.61 5.00 86.55 750.00 2.61

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6946E+01 EXCESS=0.0000E+00 OUTFLOW=0.6953E+01 BASIN STORAGE=0.4705E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 85.21 750.00 2.57 5.00 85.21 750.00 2.57

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6850E+01 EXCESS=0.0000E+00 OUTFLOW=0.6857E+01 BASIN STORAGE=0.4680E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 2.67 401.74 756.47 2.59 5.00 397.81 755.00 2.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5726E+02 EXCESS=0.0000E+00 OUTFLOW=0.5725E+02 BASIN STORAGE=0.1222E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 2.69 395.51 754.95 2.55 5.00 395.45 755.00 2.55

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5634E+02 EXCESS=0.0000E+00 OUTFLOW=0.5633E+02 BASIN STORAGE=0.1220E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL	MANE	2.70	388.16	755.11	2.50	5.00	386.97	755.00	2.50
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5539E+02 EXCESS=0.0000E+00 OUTFLOW=0.5539E+02 BASIN STORAGE=0.1234E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL	MANE	2.71	380.82	756.55	2.46	5.00	373.65	755.00	2.46
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5440E+02 EXCESS=0.0000E+00 OUTFLOW=0.5439E+02 BASIN STORAGE=0.1224E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL	MANE	2.50	373.60	757.50	2.42	5.00	372.33	755.00	2.42
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5352E+02 EXCESS=0.0000E+00 OUTFLOW=0.5351E+02 BASIN STORAGE=0.1236E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL	MANE	2.50	366.64	757.50	2.38	5.00	364.17	755.00	2.38
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5262E+02 EXCESS=0.0000E+00 OUTFLOW=0.5261E+02 BASIN STORAGE=0.1230E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A	MANE	3.40	92.15	729.96	2.67	5.00	91.91	730.00	2.68
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5269E+01 EXCESS=0.0000E+00 OUTFLOW=0.5266E+01 BASIN STORAGE=0.4025E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1A	MANE	3.40	93.67	728.40	2.65	5.00	89.51	730.00	2.64
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5240E+01 EXCESS=0.0000E+00 OUTFLOW=0.5237E+01 BASIN STORAGE=0.3877E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1A	MANE	3.41	89.36	730.27	2.60	5.00	88.46	730.00	2.60
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5128E+01 EXCESS=0.0000E+00 OUTFLOW=0.5125E+01 BASIN STORAGE=0.3720E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1A	MANE	3.42	90.64	728.73	2.58	5.00	86.53	730.00	2.57
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5088E+01 EXCESS=0.0000E+00 OUTFLOW=0.5085E+01 BASIN STORAGE=0.3522E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1A MANE 3.43 85.83 730.65 2.53 5.00 84.54 730.00 2.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4995E+01 EXCESS=0.0000E+00 OUTFLOW=0.4992E+01 BASIN STORAGE=0.3349E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1A MANE 3.44 87.64 729.15 2.50 5.00 84.14 730.00 2.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4939E+01 EXCESS=0.0000E+00 OUTFLOW=0.4936E+01 BASIN STORAGE=0.4447E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1D MANE 1.22 16.00 723.00 -1.00 5.00 16.00 730.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT A1D MANE 1.22 16.00 723.00 -1.00 5.00 16.00 730.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT A1D MANE 1.22 16.00 723.00 -1.00 5.00 16.00 730.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT A1D MANE 1.22 16.00 727.86 -1.00 5.00 16.00 730.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT A1D MANE 1.22 16.00 727.86 -1.00 5.00 16.00 730.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT A1D MANE 1.22 16.00 727.86 -1.00 5.00 16.00 730.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 4.36 87.91 732.90 11.51 5.00 84.68 735.00 11.50

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2275E+02 EXCESS=0.0000E+00 OUTFLOW=0.2270E+02 BASIN STORAGE=0.5211E-03 PERCENT ERROR= 0.2

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 4.38 85.78 731.83 11.41 5.00 82.69 735.00 11.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2256E+02 EXCESS=0.0000E+00 OUTFLOW=0.2252E+02 BASIN STORAGE=0.5847E-03 PERCENT ERROR= 0.2

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 4.39 85.85 733.30 11.32 5.00 82.85 735.00 11.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2238E+02 EXCESS=0.0000E+00 OUTFLOW=0.2234E+02 BASIN STORAGE=0.4437E-03 PERCENT ERROR= 0.2

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 4.41 83.62 731.63 11.23 5.00 81.60 735.00 11.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2221E+02 EXCESS=0.0000E+00 OUTFLOW=0.2217E+02 BASIN STORAGE=0.5606E-03 PERCENT ERROR= 0.2

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 4.42 84.19 734.50 11.15 5.00 82.90 735.00 11.16

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2204E+02 EXCESS=0.0000E+00 OUTFLOW=0.2200E+02 BASIN STORAGE=0.4801E-03 PERCENT ERROR= 0.2

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 4.43 82.21 735.08 11.06 5.00 82.18 735.00 11.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2186E+02 EXCESS=0.0000E+00 OUTFLOW=0.2182E+02 BASIN STORAGE=0.4241E-03 PERCENT ERROR= 0.2

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.68 40.17 745.44 -1.00 5.00 40.00 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.50 40.10 745.00 -1.00 5.00 40.10 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.00 40.00 754.00 -1.00 5.00 40.00 755.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.68 40.19 745.44 -1.00 5.00 40.00 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.50 40.12 745.00 -1.00 5.00 40.12 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.00 40.00 758.00 -1.00 5.00 40.00 760.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2D MANE 5.00 105.00 800.00 -1.00 5.00 105.00 800.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	105.00	805.00	-1.00	5.00	105.00	805.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	105.00	800.00	-1.00	5.00	105.00	800.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	105.00	800.00	-1.00	5.00	105.00	800.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	105.00	805.00	-1.00	5.00	105.00	805.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	105.00	800.00	-1.00	5.00	105.00	800.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	166.55	745.00	53.90	5.00	166.55	745.00	53.90
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1064E+03 EXCESS=0.0000E+00 OUTFLOW=0.1064E+03 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	164.17	745.00	53.41	5.00	164.17	745.00	53.41
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1054E+03 EXCESS=0.0000E+00 OUTFLOW=0.1054E+03 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	164.18	745.00	52.91	5.00	164.18	745.00	52.91
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1044E+03 EXCESS=0.0000E+00 OUTFLOW=0.1044E+03 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	162.30	745.00	52.41	5.00	162.30	745.00	52.41
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1034E+03 EXCESS=0.0000E+00 OUTFLOW=0.1034E+03 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	163.81	745.00	51.92	5.00	163.81	745.00	51.92
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1025E+03 EXCESS=0.0000E+00 OUTFLOW=0.1025E+03 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	162.12	745.00	51.42	5.00	162.12	745.00	51.42
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1015E+03 EXCESS=0.0000E+00 OUTFLOW=0.1015E+03 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PE4	MANE	1.50	93.13	759.00	-1.00	5.00	93.06	755.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT PE4	MANE	1.50	90.71	759.00	-1.00	5.00	90.57	755.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT PE4	MANE	1.50	88.36	756.00	-1.00	5.00	87.99	755.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT PE4	MANE	1.50	86.00	756.00	-1.00	5.00	85.45	755.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT PE4	MANE	1.50	83.62	756.00	-1.00	5.00	82.91	755.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT PE4	MANE	1.25	81.49	758.75	-1.00	5.00	80.35	755.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT ML1	MANE	5.00	884.02	790.00	1.65	5.00	884.02	790.00	1.65
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1623E+03 EXCESS=0.0000E+00 OUTFLOW=0.1624E+03 BASIN STORAGE=0.8144E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1	MANE	5.00	866.06	790.00	1.61	5.00	866.06	790.00	1.61
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1588E+03 EXCESS=0.0000E+00 OUTFLOW=0.1589E+03 BASIN STORAGE=0.8074E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1	MANE	5.00	846.19	790.00	1.58	5.00	846.19	790.00	1.58
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1554E+03 EXCESS=0.0000E+00 OUTFLOW=0.1555E+03 BASIN STORAGE=0.8003E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 825.19 790.00 1.54 5.00 825.19 790.00 1.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1520E+03 EXCESS=0.0000E+00 OUTFLOW=0.1521E+03 BASIN STORAGE=0.7932E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 805.11 790.00 1.51 5.00 805.11 790.00 1.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1487E+03 EXCESS=0.0000E+00 OUTFLOW=0.1488E+03 BASIN STORAGE=0.7861E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 785.32 785.00 1.47 5.00 785.32 785.00 1.47

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1453E+03 EXCESS=0.0000E+00 OUTFLOW=0.1454E+03 BASIN STORAGE=0.7359E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 158.40 770.00 0.34 5.00 158.40 770.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5350E+02 EXCESS=0.0000E+00 OUTFLOW=0.5351E+02 BASIN STORAGE=0.2964E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 158.25 770.00 0.34 5.00 158.25 770.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5272E+02 EXCESS=0.0000E+00 OUTFLOW=0.5273E+02 BASIN STORAGE=0.2937E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 157.84 770.00 0.33 5.00 157.84 770.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5194E+02 EXCESS=0.0000E+00 OUTFLOW=0.5195E+02 BASIN STORAGE=0.2911E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 157.34 770.00 0.33 5.00 157.34 770.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5117E+02 EXCESS=0.0000E+00 OUTFLOW=0.5118E+02 BASIN STORAGE=0.2884E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 156.69 770.00 0.32 5.00 156.69 770.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5041E+02 EXCESS=0.0000E+00 OUTFLOW=0.5042E+02 BASIN STORAGE=0.2857E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 155.81 770.00 0.32 5.00 155.81 770.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4967E+02 EXCESS=0.0000E+00 OUTFLOW=0.4967E+02 BASIN STORAGE=0.2809E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 137.81 765.00 -1.00 5.00 137.81 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 138.36 770.00 -1.00 5.00 138.36 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 139.36 770.00 -1.00 5.00 139.36 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 140.25 770.00 -1.00 5.00 140.25 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 141.07 770.00 -1.00 5.00 141.07 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 141.77 770.00 -1.00 5.00 141.77 770.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 4.91 1050.08 770.96 1.54 5.00 1044.47 770.00 1.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4538E+03 EXCESS=0.0000E+00 OUTFLOW=0.4538E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 4.94 1031.58 770.40 1.52 5.00 1028.76 770.00 1.52

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4479E+03 EXCESS=0.0000E+00 OUTFLOW=0.4479E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 4.96 1016.30 773.49 1.50 5.00 1004.68 770.00 1.50

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4420E+03 EXCESS=0.0000E+00 OUTFLOW=0.4420E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 4.98 996.43 771.48 1.48 5.00 991.33 775.00 1.48

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4359E+03 EXCESS=0.0000E+00 OUTFLOW=0.4359E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 990.76 774.61 1.46 5.00 987.08 775.00 1.46

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4301E+03 EXCESS=0.0000E+00 OUTFLOW=0.4301E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 979.06 775.00 1.44 5.00 979.06 775.00 1.44

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4242E+03 EXCESS=0.0000E+00 OUTFLOW=0.4242E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L2B MANE 2.00 896.25 810.00 -1.00 5.00 896.25 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2B MANE 2.00 871.85 810.00 -1.00 5.00 871.85 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2B MANE 2.00 846.95 810.00 -1.00 5.00 846.95 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2B MANE 2.00 821.49 810.00 -1.00 5.00 821.49 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2B MANE 2.00 796.31 810.00 -1.00 5.00 796.31 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2B MANE 2.00 770.51 810.00 -1.00 5.00 770.51 810.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 2.48 36.36 740.07 1.06 5.00 36.30 740.00 1.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3399E+01 EXCESS=0.0000E+00 OUTFLOW=0.3399E+01 BASIN STORAGE=0.3401E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 2.50 35.33 739.85 1.04 5.00 35.33 740.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3325E+01 EXCESS=0.0000E+00 OUTFLOW=0.3326E+01 BASIN STORAGE=0.3521E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 2.52 34.45 742.20 1.02 5.00 34.31 740.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3252E+01 EXCESS=0.0000E+00 OUTFLOW=0.3253E+01 BASIN STORAGE=0.3541E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 2.50 33.63 740.00 0.99 5.00 33.63 740.00 0.99

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3180E+01 EXCESS=0.0000E+00 OUTFLOW=0.3180E+01 BASIN STORAGE=0.3286E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 2.50 32.73 740.00 0.97 5.00 32.73 740.00 0.97

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3108E+01 EXCESS=0.0000E+00 OUTFLOW=0.3108E+01 BASIN STORAGE=0.3246E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 2.50 31.84 740.00 0.95 5.00 31.84 740.00 0.95

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3037E+01 EXCESS=0.0000E+00 OUTFLOW=0.3037E+01 BASIN STORAGE=0.3935E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 3.25 35.35 750.75 1.06 5.00 34.69 750.00 1.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3399E+01 EXCESS=0.0000E+00 OUTFLOW=0.3397E+01 BASIN STORAGE=0.1740E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 3.00 34.54 753.00 1.04 5.00 34.10 750.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3325E+01 EXCESS=0.0000E+00 OUTFLOW=0.3322E+01 BASIN STORAGE=0.2189E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 3.00 33.58 753.00 1.02 5.00 33.07 750.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3252E+01 EXCESS=0.0000E+00 OUTFLOW=0.3250E+01 BASIN STORAGE=0.2179E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.50 33.16 752.50 0.99 5.00 32.45 750.00 0.99

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3178E+01 EXCESS=0.0000E+00 OUTFLOW=0.3175E+01 BASIN STORAGE=0.1808E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.50 32.30 752.50 0.97 5.00 31.63 755.00 0.97

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3107E+01 EXCESS=0.0000E+00 OUTFLOW=0.3104E+01 BASIN STORAGE=0.1789E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP3	MANE	2.50	31.45	752.50	0.95	5.00	30.85	755.00	0.95
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3035E+01 EXCESS=0.0000E+00 OUTFLOW=0.3032E+01 BASIN STORAGE=0.1738E-02 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT D3B	MANE	5.00	143.64	785.00	1.14	5.00	143.64	785.00	1.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2002E+02 EXCESS=0.0000E+00 OUTFLOW=0.2005E+02 BASIN STORAGE=0.5981E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT D3B	MANE	5.00	140.99	785.00	1.12	5.00	140.99	785.00	1.12
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1962E+02 EXCESS=0.0000E+00 OUTFLOW=0.1966E+02 BASIN STORAGE=0.6658E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT D3B	MANE	5.00	138.05	785.00	1.09	5.00	138.05	785.00	1.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1923E+02 EXCESS=0.0000E+00 OUTFLOW=0.1926E+02 BASIN STORAGE=0.6140E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT D3B	MANE	5.00	135.10	785.00	1.07	5.00	135.10	785.00	1.07
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1884E+02 EXCESS=0.0000E+00 OUTFLOW=0.1887E+02 BASIN STORAGE=0.6021E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT D3B	MANE	5.00	132.15	785.00	1.05	5.00	132.15	785.00	1.05
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1845E+02 EXCESS=0.0000E+00 OUTFLOW=0.1848E+02 BASIN STORAGE=0.5967E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT D3B	MANE	5.00	129.16	785.00	1.03	5.00	129.16	785.00	1.03
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1806E+02 EXCESS=0.0000E+00 OUTFLOW=0.1809E+02 BASIN STORAGE=0.5867E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT HR1	MANE	5.00	128.26	880.00	0.89	5.00	128.26	880.00	0.89
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1196E+03 EXCESS=0.0000E+00 OUTFLOW=0.1196E+03 BASIN STORAGE=0.1060E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1	MANE	5.00	125.04	885.00	0.88	5.00	125.04	885.00	0.88
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1183E+03 EXCESS=0.0000E+00 OUTFLOW=0.1183E+03 BASIN STORAGE=0.1018E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1	MANE	5.00	120.86	890.00	0.87	5.00	120.86	890.00	0.87
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1170E+03 EXCESS=0.0000E+00 OUTFLOW=0.1170E+03 BASIN STORAGE=0.1075E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1	MANE	5.00	116.97	895.00	0.86	5.00	116.97	895.00	0.86
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1157E+03 EXCESS=0.0000E+00 OUTFLOW=0.1157E+03 BASIN STORAGE=0.1034E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1	MANE	5.00	116.48	900.00	0.85	5.00	116.48	900.00	0.85
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1145E+03 EXCESS=0.0000E+00 OUTFLOW=0.1145E+03 BASIN STORAGE=0.1095E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1	MANE	5.00	115.96	910.00	0.84	5.00	115.96	910.00	0.84
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1132E+03 EXCESS=0.0000E+00 OUTFLOW=0.1132E+03 BASIN STORAGE=0.1066E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A	MANE	1.09	131.17	882.08	0.90	5.00	130.52	880.00	0.90
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1252E+03 EXCESS=0.0000E+00 OUTFLOW=0.1252E+03 BASIN STORAGE=0.1114E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A	MANE	1.09	127.82	886.64	0.89	5.00	127.33	885.00	0.89
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1238E+03 EXCESS=0.0000E+00 OUTFLOW=0.1238E+03 BASIN STORAGE=0.1096E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A	MANE	1.10	123.64	891.63	0.88	5.00	123.37	895.00	0.88
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1224E+03 EXCESS=0.0000E+00 OUTFLOW=0.1224E+03 BASIN STORAGE=0.1093E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A	MANE	1.11	119.76	921.78	0.87	5.00	119.76	925.00	0.87
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1210E+03 EXCESS=0.0000E+00 OUTFLOW=0.1210E+03 BASIN STORAGE=0.1104E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.11 119.45 925.60 0.86 5.00 119.45 925.00 0.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1197E+03 EXCESS=0.0000E+00 OUTFLOW=0.1197E+03 BASIN STORAGE=0.1103E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.11 119.11 926.13 0.85 5.00 119.10 925.00 0.85

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1183E+03 EXCESS=0.0000E+00 OUTFLOW=0.1183E+03 BASIN STORAGE=0.1099E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.69 130.56 881.19 0.90 5.00 130.40 885.00 0.90

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1252E+03 EXCESS=0.0000E+00 OUTFLOW=0.1252E+03 BASIN STORAGE=0.1521E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.69 127.32 885.89 0.89 5.00 126.95 885.00 0.89

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1238E+03 EXCESS=0.0000E+00 OUTFLOW=0.1238E+03 BASIN STORAGE=0.1522E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.70 123.36 895.10 0.88 5.00 123.36 895.00 0.88

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1224E+03 EXCESS=0.0000E+00 OUTFLOW=0.1224E+03 BASIN STORAGE=0.1523E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.70 119.76 925.06 0.87 5.00 119.76 925.00 0.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1210E+03 EXCESS=0.0000E+00 OUTFLOW=0.1210E+03 BASIN STORAGE=0.1515E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.71 119.44 925.71 0.86 5.00 119.44 925.00 0.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1197E+03 EXCESS=0.0000E+00 OUTFLOW=0.1197E+03 BASIN STORAGE=0.1512E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.71 119.10 925.75 0.85 5.00 119.09 925.00 0.85

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1183E+03 EXCESS=0.0000E+00 OUTFLOW=0.1183E+03 BASIN STORAGE=0.1513E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 1.92 131.74 883.84 0.91 5.00 131.59 885.00 0.91

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1285E+03 EXCESS=0.0000E+00 OUTFLOW=0.1285E+03 BASIN STORAGE=0.1950E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 1.93 128.39 888.58 0.90 5.00 128.21 890.00 0.90

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1271E+03 EXCESS=0.0000E+00 OUTFLOW=0.1271E+03 BASIN STORAGE=0.1971E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 1.94 124.52 893.74 0.89 5.00 124.49 895.00 0.89

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1256E+03 EXCESS=0.0000E+00 OUTFLOW=0.1256E+03 BASIN STORAGE=0.1927E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 1.95 121.53 925.53 0.88 5.00 121.53 925.00 0.88

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1242E+03 EXCESS=0.0000E+00 OUTFLOW=0.1242E+03 BASIN STORAGE=0.2002E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 1.95 121.19 928.00 0.87 5.00 121.18 925.00 0.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1228E+03 EXCESS=0.0000E+00 OUTFLOW=0.1228E+03 BASIN STORAGE=0.1933E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 1.95 120.82 928.57 0.86 5.00 120.80 930.00 0.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1214E+03 EXCESS=0.0000E+00 OUTFLOW=0.1214E+03 BASIN STORAGE=0.2001E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 3.40 131.51 887.47 0.91 5.00 131.44 890.00 0.91

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1285E+03 EXCESS=0.0000E+00 OUTFLOW=0.1285E+03 BASIN STORAGE=0.9666E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 3.43 128.03 894.38 0.90 5.00 127.99 895.00 0.90

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1271E+03 EXCESS=0.0000E+00 OUTFLOW=0.1271E+03 BASIN STORAGE=0.9353E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 3.46 124.40 898.81 0.89 5.00 124.32 900.00 0.89

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1256E+03 EXCESS=0.0000E+00 OUTFLOW=0.1256E+03 BASIN STORAGE=0.9508E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 3.48 121.51 929.66 0.88 5.00 121.51 930.00 0.88

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1242E+03 EXCESS=0.0000E+00 OUTFLOW=0.1242E+03 BASIN STORAGE=0.9611E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 3.48 121.16 930.45 0.87 5.00 121.16 930.00 0.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1228E+03 EXCESS=0.0000E+00 OUTFLOW=0.1228E+03 BASIN STORAGE=0.9547E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 3.49 120.80 931.32 0.86 5.00 120.79 930.00 0.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1214E+03 EXCESS=0.0000E+00 OUTFLOW=0.1214E+03 BASIN STORAGE=0.9573E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 121.13 740.00 1.72 5.00 121.13 740.00 1.72

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9151E+01 EXCESS=0.0000E+00 OUTFLOW=0.9156E+01 BASIN STORAGE=0.1764E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 119.02 740.00 1.69 5.00 119.02 740.00 1.69

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9006E+01 EXCESS=0.0000E+00 OUTFLOW=0.9011E+01 BASIN STORAGE=0.1751E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 117.23 745.00 1.66 5.00 117.23 745.00 1.66

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8862E+01 EXCESS=0.0000E+00 OUTFLOW=0.8867E+01 BASIN STORAGE=0.1737E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 115.44 745.00 1.64 5.00 115.44 745.00 1.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8718E+01 EXCESS=0.0000E+00 OUTFLOW=0.8723E+01 BASIN STORAGE=0.1723E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 113.65 745.00 1.61 5.00 113.65 745.00 1.61

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8574E+01 EXCESS=0.0000E+00 OUTFLOW=0.8579E+01 BASIN STORAGE=0.1710E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 111.87 745.00 1.58 5.00 111.87 745.00 1.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8430E+01 EXCESS=0.0000E+00 OUTFLOW=0.8435E+01 BASIN STORAGE=0.1696E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT 6SA MANE 3.00 131.58 882.00 -1.00 5.00 130.27 880.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT 6SA MANE 3.25 117.32 887.25 -1.00 5.00 117.03 885.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT 6SA MANE 3.50 102.18 889.00 -1.00 5.00 102.16 890.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT 6SA MANE 3.50 85.88 896.00 -1.00 5.00 85.62 895.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT 6SA MANE 3.75 72.15 900.00 -1.00 5.00 72.15 900.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT 6SA MANE 4.00 57.71 908.00 -1.00 5.00 57.52 905.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 2.34 48.77 949.42 3.70 5.00 48.76 950.00 3.70

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1972E+02 EXCESS=0.0000E+00 OUTFLOW=0.1972E+02 BASIN STORAGE=0.1926E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 2.39 44.01 952.31 3.37 5.00 44.01 950.00 3.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1798E+02 EXCESS=0.0000E+00 OUTFLOW=0.1798E+02 BASIN STORAGE=0.1938E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 2.44 39.19 955.23 3.05 5.00 39.19 955.00 3.05

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1625E+02 EXCESS=0.0000E+00 OUTFLOW=0.1625E+02 BASIN STORAGE=0.1942E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 2.51 34.16 956.67 2.72 5.00 34.15 955.00 2.72

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1451E+02 EXCESS=0.0000E+00 OUTFLOW=0.1451E+02 BASIN STORAGE=0.1940E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 2.60 28.93 960.48 2.39 5.00 28.92 960.00 2.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1276E+02 EXCESS=0.0000E+00 OUTFLOW=0.1276E+02 BASIN STORAGE=0.1927E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 2.70 23.81 966.18 2.07 5.00 23.80 965.00 2.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1105E+02 EXCESS=0.0000E+00 OUTFLOW=0.1105E+02 BASIN STORAGE=0.1925E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 48.76 955.00 3.70 5.00 48.76 955.00 3.70

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1972E+02 EXCESS=0.0000E+00 OUTFLOW=0.1973E+02 BASIN STORAGE=0.9282E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 44.01 955.00 3.37 5.00 44.01 955.00 3.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1798E+02 EXCESS=0.0000E+00 OUTFLOW=0.1798E+02 BASIN STORAGE=0.9095E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 39.19 960.00 3.05 5.00 39.19 960.00 3.05

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1625E+02 EXCESS=0.0000E+00 OUTFLOW=0.1625E+02 BASIN STORAGE=0.9275E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 34.15 960.00 2.72 5.00 34.15 960.00 2.72

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1451E+02 EXCESS=0.0000E+00 OUTFLOW=0.1451E+02 BASIN STORAGE=0.9349E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 28.92 965.00 2.39 5.00 28.92 965.00 2.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1276E+02 EXCESS=0.0000E+00 OUTFLOW=0.1276E+02 BASIN STORAGE=0.9073E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 23.80 975.00 2.07 5.00 23.80 975.00 2.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1105E+02 EXCESS=0.0000E+00 OUTFLOW=0.1105E+02 BASIN STORAGE=0.9082E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3D MANE 5.00 172.59 745.00 2.31 5.00 172.59 745.00 2.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3449E+02 EXCESS=0.0000E+00 OUTFLOW=0.3450E+02 BASIN STORAGE=0.2485E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3D	MANE	5.00	169.41	745.00	2.18	5.00	169.41	745.00	2.18
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3250E+02 EXCESS=0.0000E+00 OUTFLOW=0.3251E+02 BASIN STORAGE=0.2538E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3D	MANE	5.00	165.87	745.00	2.04	5.00	165.87	745.00	2.04
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3052E+02 EXCESS=0.0000E+00 OUTFLOW=0.3053E+02 BASIN STORAGE=0.2586E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3D	MANE	5.00	162.98	750.00	1.91	5.00	162.98	750.00	1.91
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2854E+02 EXCESS=0.0000E+00 OUTFLOW=0.2855E+02 BASIN STORAGE=0.2497E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3D	MANE	5.00	160.16	750.00	1.78	5.00	160.16	750.00	1.78
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2654E+02 EXCESS=0.0000E+00 OUTFLOW=0.2655E+02 BASIN STORAGE=0.2528E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3D	MANE	5.00	157.36	750.00	1.65	5.00	157.36	750.00	1.65
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2459E+02 EXCESS=0.0000E+00 OUTFLOW=0.2460E+02 BASIN STORAGE=0.2530E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	2.25	111.56	762.26	0.72	5.00	107.65	765.00	0.72
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3816E+02 EXCESS=0.0000E+00 OUTFLOW=0.3816E+02 BASIN STORAGE=0.2180E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	2.27	105.42	762.02	0.71	5.00	102.37	765.00	0.71
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3761E+02 EXCESS=0.0000E+00 OUTFLOW=0.3761E+02 BASIN STORAGE=0.2190E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	2.29	100.52	764.22	0.70	5.00	97.63	765.00	0.70
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3706E+02 EXCESS=0.0000E+00 OUTFLOW=0.3705E+02 BASIN STORAGE=0.2191E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1 MANE 2.32 95.47 762.52 0.69 5.00 92.96 765.00 0.69

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3652E+02 EXCESS=0.0000E+00 OUTFLOW=0.3652E+02 BASIN STORAGE=0.2190E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1 MANE 2.39 83.91 763.55 0.68 5.00 83.46 765.00 0.68

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3597E+02 EXCESS=0.0000E+00 OUTFLOW=0.3597E+02 BASIN STORAGE=0.2196E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1 MANE 2.41 79.33 765.06 0.67 5.00 79.28 765.00 0.67

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3548E+02 EXCESS=0.0000E+00 OUTFLOW=0.3548E+02 BASIN STORAGE=0.2199E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 119.92 770.00 0.78 5.00 119.92 770.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4370E+02 EXCESS=0.0000E+00 OUTFLOW=0.4370E+02 BASIN STORAGE=0.1047E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 114.39 770.00 0.77 5.00 114.39 770.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4305E+02 EXCESS=0.0000E+00 OUTFLOW=0.4306E+02 BASIN STORAGE=0.1035E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 109.15 770.00 0.76 5.00 109.15 770.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4241E+02 EXCESS=0.0000E+00 OUTFLOW=0.4241E+02 BASIN STORAGE=0.1057E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 103.62 770.00 0.75 5.00 103.62 770.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4180E+02 EXCESS=0.0000E+00 OUTFLOW=0.4181E+02 BASIN STORAGE=0.1045E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 93.46 770.00 0.74 5.00 93.46 770.00 0.74

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4116E+02 EXCESS=0.0000E+00 OUTFLOW=0.4116E+02 BASIN STORAGE=0.1027E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 88.27 770.00 0.73 5.00 88.27 770.00 0.73

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4060E+02 EXCESS=0.0000E+00 OUTFLOW=0.4060E+02 BASIN STORAGE=0.1054E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E	MANE	1.76	142.30	738.23	0.81	5.00	139.57	740.00	0.81
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4766E+02 EXCESS=0.0000E+00 OUTFLOW=0.4766E+02 BASIN STORAGE=0.4746E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E	MANE	1.77	139.63	738.70	0.80	5.00	137.12	740.00	0.80
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4694E+02 EXCESS=0.0000E+00 OUTFLOW=0.4694E+02 BASIN STORAGE=0.4744E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E	MANE	1.78	136.42	739.03	0.79	5.00	135.06	740.00	0.79
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4623E+02 EXCESS=0.0000E+00 OUTFLOW=0.4623E+02 BASIN STORAGE=0.4692E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E	MANE	1.79	133.62	737.68	0.78	5.00	132.66	740.00	0.78
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4556E+02 EXCESS=0.0000E+00 OUTFLOW=0.4556E+02 BASIN STORAGE=0.4710E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E	MANE	1.80	131.63	738.15	0.76	5.00	129.74	740.00	0.76
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4485E+02 EXCESS=0.0000E+00 OUTFLOW=0.4485E+02 BASIN STORAGE=0.4758E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E	MANE	1.81	129.30	738.22	0.75	5.00	127.40	740.00	0.75
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4423E+02 EXCESS=0.0000E+00 OUTFLOW=0.4423E+02 BASIN STORAGE=0.4689E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F	MANE	5.00	145.96	750.00	0.81	5.00	145.95	750.00	0.81
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4765E+02 EXCESS=0.0000E+00 OUTFLOW=0.4766E+02 BASIN STORAGE=0.3575E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F	MANE	5.00	143.30	750.00	0.80	5.00	143.30	750.00	0.80
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4695E+02 EXCESS=0.0000E+00 OUTFLOW=0.4696E+02 BASIN STORAGE=0.3520E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 140.37 750.00 0.79 5.00 140.37 750.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4624E+02 EXCESS=0.0000E+00 OUTFLOW=0.4626E+02 BASIN STORAGE=0.3655E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 137.17 750.00 0.78 5.00 137.17 750.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4556E+02 EXCESS=0.0000E+00 OUTFLOW=0.4558E+02 BASIN STORAGE=0.3570E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 134.10 750.00 0.76 5.00 134.10 750.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4485E+02 EXCESS=0.0000E+00 OUTFLOW=0.4487E+02 BASIN STORAGE=0.3718E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 131.34 750.00 0.75 5.00 131.34 750.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4422E+02 EXCESS=0.0000E+00 OUTFLOW=0.4424E+02 BASIN STORAGE=0.3645E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HSA MANE 0.75 311.52 762.00 -1.00 5.00 304.73 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSA MANE 0.75 307.43 762.00 -1.00 5.00 300.56 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSA MANE 0.75 303.40 762.00 -1.00 5.00 296.42 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSA MANE 0.75 296.95 762.00 -1.00 5.00 291.69 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSA MANE 1.00 289.31 762.00 -1.00 5.00 286.98 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSA MANE 1.00 279.54 766.00 -1.00 5.00 279.21 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSB MANE 0.73 303.94 765.42 -1.00 5.00 303.39 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT HSB	MANE	0.73	299.41	766.00	-1.00	5.00	298.68	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT HSB	MANE	0.73	295.65	765.84	-1.00	5.00	293.89	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT HSB	MANE	0.74	290.16	766.13	-1.00	5.00	288.28	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT HSB	MANE	0.74	286.16	765.70	-1.00	5.00	282.60	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT HSB	MANE	0.75	278.25	766.01	-1.00	5.00	273.24	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	39.24	840.00	4.19	5.00	39.24	840.00	4.19
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2460E+02 EXCESS=0.0000E+00 OUTFLOW=0.2460E+02 BASIN STORAGE=0.9159E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	38.95	840.00	4.07	5.00	38.95	840.00	4.07
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2389E+02 EXCESS=0.0000E+00 OUTFLOW=0.2390E+02 BASIN STORAGE=0.9714E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	38.66	835.00	3.96	5.00	38.66	835.00	3.96
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2320E+02 EXCESS=0.0000E+00 OUTFLOW=0.2321E+02 BASIN STORAGE=0.9463E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	38.37	835.00	3.84	5.00	38.37	835.00	3.84
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2251E+02 EXCESS=0.0000E+00 OUTFLOW=0.2251E+02 BASIN STORAGE=0.9220E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	38.09	835.00	3.72	5.00	38.09	835.00	3.72
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2183E+02 EXCESS=0.0000E+00 OUTFLOW=0.2183E+02 BASIN STORAGE=0.9825E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	37.72	835.00	3.60	5.00	37.72	835.00	3.60
--------	------	------	-------	--------	------	------	-------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2110E+02 EXCESS=0.0000E+00 OUTFLOW=0.2110E+02 BASIN STORAGE=0.9655E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	528.10	750.00	1.64	5.00	528.10	750.00	1.64
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7873E+02 EXCESS=0.0000E+00 OUTFLOW=0.7875E+02 BASIN STORAGE=0.3294E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	517.85	750.00	1.61	5.00	517.85	750.00	1.61
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7706E+02 EXCESS=0.0000E+00 OUTFLOW=0.7708E+02 BASIN STORAGE=0.3157E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	507.63	750.00	1.57	5.00	507.63	750.00	1.57
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7540E+02 EXCESS=0.0000E+00 OUTFLOW=0.7543E+02 BASIN STORAGE=0.3064E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	497.44	750.00	1.54	5.00	497.44	750.00	1.54
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7375E+02 EXCESS=0.0000E+00 OUTFLOW=0.7377E+02 BASIN STORAGE=0.3315E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	487.29	750.00	1.50	5.00	487.29	750.00	1.50
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7212E+02 EXCESS=0.0000E+00 OUTFLOW=0.7214E+02 BASIN STORAGE=0.3249E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	477.18	750.00	1.47	5.00	477.18	750.00	1.47
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7044E+02 EXCESS=0.0000E+00 OUTFLOW=0.7047E+02 BASIN STORAGE=0.3139E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	699.59	765.00	1.00	5.00	699.59	765.00	1.00
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2158E+03 EXCESS=0.0000E+00 OUTFLOW=0.2158E+03 BASIN STORAGE=0.3216E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	684.74	765.00	0.98	5.00	684.74	765.00	0.98
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2111E+03 EXCESS=0.0000E+00 OUTFLOW=0.2112E+03 BASIN STORAGE=0.3158E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	GV2	MANE	5.00	670.00	765.00	0.96	5.00	670.00	765.00	0.96
----	-----	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2066E+03 EXCESS=0.0000E+00 OUTFLOW=0.2066E+03 BASIN STORAGE=0.3025E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	GV2	MANE	5.00	655.37	765.00	0.94	5.00	655.37	765.00	0.94
----	-----	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2020E+03 EXCESS=0.0000E+00 OUTFLOW=0.2021E+03 BASIN STORAGE=0.2972E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	GV2	MANE	5.00	640.84	765.00	0.92	5.00	640.84	765.00	0.92
----	-----	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1975E+03 EXCESS=0.0000E+00 OUTFLOW=0.1976E+03 BASIN STORAGE=0.2929E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	GV2	MANE	5.00	626.43	765.00	0.90	5.00	626.43	765.00	0.90
----	-----	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1930E+03 EXCESS=0.0000E+00 OUTFLOW=0.1930E+03 BASIN STORAGE=0.2886E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	LD2	MANE	5.00	1380.51	760.00	0.99	5.00	1380.50	760.00	0.99
----	-----	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4802E+03 EXCESS=0.0000E+00 OUTFLOW=0.4802E+03 BASIN STORAGE=0.3144E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	LD2	MANE	5.00	1350.61	760.00	0.97	5.00	1350.61	760.00	0.97
----	-----	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4703E+03 EXCESS=0.0000E+00 OUTFLOW=0.4704E+03 BASIN STORAGE=0.3212E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	LD2	MANE	5.00	1321.03	760.00	0.95	5.00	1321.03	760.00	0.95
----	-----	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4605E+03 EXCESS=0.0000E+00 OUTFLOW=0.4606E+03 BASIN STORAGE=0.3144E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT	LD2	MANE	5.00	1291.97	760.00	0.93	5.00	1291.97	760.00	0.93
----	-----	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4508E+03 EXCESS=0.0000E+00 OUTFLOW=0.4509E+03 BASIN STORAGE=0.3208E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2 MANE 5.00 1262.69 760.00 0.91 5.00 1262.69 760.00 0.91

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4411E+03 EXCESS=0.0000E+00 OUTFLOW=0.4412E+03 BASIN STORAGE=0.3115E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2 MANE 5.00 1233.46 760.00 0.89 5.00 1233.45 760.00 0.89

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4315E+03 EXCESS=0.0000E+00 OUTFLOW=0.4316E+03 BASIN STORAGE=0.3155E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A MANE 5.00 1443.55 775.00 0.99 5.00 1443.55 775.00 0.99

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4899E+03 EXCESS=0.0000E+00 OUTFLOW=0.4901E+03 BASIN STORAGE=0.1253E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A MANE 5.00 1415.07 775.00 0.97 5.00 1415.07 775.00 0.97

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4798E+03 EXCESS=0.0000E+00 OUTFLOW=0.4800E+03 BASIN STORAGE=0.1202E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A MANE 5.00 1386.33 775.00 0.95 5.00 1386.33 775.00 0.95

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4698E+03 EXCESS=0.0000E+00 OUTFLOW=0.4700E+03 BASIN STORAGE=0.1255E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A MANE 5.00 1357.90 775.00 0.93 5.00 1357.90 775.00 0.93

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4599E+03 EXCESS=0.0000E+00 OUTFLOW=0.4601E+03 BASIN STORAGE=0.1201E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A MANE 5.00 1329.14 775.00 0.91 5.00 1329.14 775.00 0.91

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4500E+03 EXCESS=0.0000E+00 OUTFLOW=0.4502E+03 BASIN STORAGE=0.1245E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A MANE 5.00 1300.58 775.00 0.89 5.00 1300.58 775.00 0.89

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4402E+03 EXCESS=0.0000E+00 OUTFLOW=0.4404E+03 BASIN STORAGE=0.1185E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PAT MANE 4.50 180.00 774.00 0.95 5.00 179.81 775.00 0.96

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3004E+02 EXCESS=0.0000E+00 OUTFLOW=0.3004E+02 BASIN STORAGE=0.4214E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PAT MANE	4.50	175.61	774.00	0.93	5.00	175.46	775.00	0.94
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2940E+02 EXCESS=0.0000E+00 OUTFLOW=0.2941E+02 BASIN STORAGE=0.4172E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PAT MANE	4.50	171.24	774.00	0.91	5.00	171.13	775.00	0.91
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2877E+02 EXCESS=0.0000E+00 OUTFLOW=0.2878E+02 BASIN STORAGE=0.4129E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PAT MANE	4.25	166.90	777.75	0.89	5.00	166.64	775.00	0.89
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2814E+02 EXCESS=0.0000E+00 OUTFLOW=0.2814E+02 BASIN STORAGE=0.4225E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PAT MANE	4.25	162.73	777.75	0.87	5.00	162.37	775.00	0.87
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2752E+02 EXCESS=0.0000E+00 OUTFLOW=0.2752E+02 BASIN STORAGE=0.4180E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PAT MANE	4.00	158.40	776.00	0.85	5.00	157.86	775.00	0.85
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2690E+02 EXCESS=0.0000E+00 OUTFLOW=0.2690E+02 BASIN STORAGE=0.3770E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LV3 MANE	5.00	217.03	855.00	0.56	5.00	217.03	855.00	0.56
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7582E+02 EXCESS=0.0000E+00 OUTFLOW=0.7586E+02 BASIN STORAGE=0.6951E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3 MANE	5.00	210.58	855.00	0.54	5.00	210.58	855.00	0.54
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7392E+02 EXCESS=0.0000E+00 OUTFLOW=0.7396E+02 BASIN STORAGE=0.6718E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3 MANE	5.00	204.20	855.00	0.53	5.00	204.20	855.00	0.53
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7204E+02 EXCESS=0.0000E+00 OUTFLOW=0.7207E+02 BASIN STORAGE=0.6898E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3 MANE 5.00 197.88 855.00 0.51 5.00 197.88 855.00 0.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7017E+02 EXCESS=0.0000E+00 OUTFLOW=0.7020E+02 BASIN STORAGE=0.6817E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3 MANE 5.00 191.64 855.00 0.50 5.00 191.64 855.00 0.50

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6832E+02 EXCESS=0.0000E+00 OUTFLOW=0.6835E+02 BASIN STORAGE=0.6736E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3 MANE 5.00 185.46 855.00 0.49 5.00 185.46 855.00 0.49

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6648E+02 EXCESS=0.0000E+00 OUTFLOW=0.6651E+02 BASIN STORAGE=0.6549E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 636.44 855.00 0.70 5.00 636.44 855.00 0.70

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1938E+03 EXCESS=0.0000E+00 OUTFLOW=0.1940E+03 BASIN STORAGE=0.1439E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 619.91 855.00 0.68 5.00 619.91 855.00 0.68

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1895E+03 EXCESS=0.0000E+00 OUTFLOW=0.1896E+03 BASIN STORAGE=0.1426E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 603.51 855.00 0.67 5.00 603.51 855.00 0.67

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1851E+03 EXCESS=0.0000E+00 OUTFLOW=0.1853E+03 BASIN STORAGE=0.1055E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 587.20 855.00 0.65 5.00 587.20 855.00 0.65

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1808E+03 EXCESS=0.0000E+00 OUTFLOW=0.1810E+03 BASIN STORAGE=0.1484E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 571.02 855.00 0.63 5.00 571.02 855.00 0.63

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1766E+03 EXCESS=0.0000E+00 OUTFLOW=0.1767E+03 BASIN STORAGE=0.1470E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 554.96 855.00 0.62 5.00 554.96 855.00 0.62

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1723E+03 EXCESS=0.0000E+00 OUTFLOW=0.1724E+03 BASIN STORAGE=0.1440E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.15 457.70 753.83 1.27 5.00 457.44 755.00 1.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5779E+02 EXCESS=0.0000E+00 OUTFLOW=0.5779E+02 BASIN STORAGE=0.6158E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.16 447.85 753.83 1.25 5.00 447.65 755.00 1.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5666E+02 EXCESS=0.0000E+00 OUTFLOW=0.5666E+02 BASIN STORAGE=0.7483E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.17 438.16 753.88 1.23 5.00 437.96 755.00 1.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5553E+02 EXCESS=0.0000E+00 OUTFLOW=0.5553E+02 BASIN STORAGE=0.7074E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.19 428.63 753.99 1.20 5.00 428.37 755.00 1.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5442E+02 EXCESS=0.0000E+00 OUTFLOW=0.5442E+02 BASIN STORAGE=0.6397E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.20 419.26 754.15 1.18 5.00 418.93 755.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5330E+02 EXCESS=0.0000E+00 OUTFLOW=0.5331E+02 BASIN STORAGE=0.7506E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.21 410.05 754.36 1.15 5.00 409.69 755.00 1.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5220E+02 EXCESS=0.0000E+00 OUTFLOW=0.5220E+02 BASIN STORAGE=0.6866E-03 PERCENT ERROR= 0.0

1

SUMMARY OF DAM OVERTOPPING/BREACH ANALYSIS FOR STATION RRDON
(PEAKS SHOWN ARE FOR INTERNAL TIME STEP USED DURING BREACH FORMATION)

PLAN 1		INITIAL VALUE	SPILLWAY CREST	TOP OF DAM
	ELEVATION	4970.15	4970.20	4975.60
	STORAGE	1.	1.	23.
	OUTFLOW	0.	0.	77.

RATIO OF PMF	MAXIMUM RESERVOIR W.S.ELEV	MAXIMUM DEPTH OVER DAM	MAXIMUM STORAGE AC-FT	MAXIMUM OUTFLOW CFS	DURATION OVER TOP HOURS	TIME OF MAX OUTFLOW HOURS	TIME OF FAILURE HOURS
1.00	4976.51	0.91	28.	473.	2.92	12.92	0.00

0.99	4976.48	0.88	28.	454.	2.83	12.92	0.00
0.98	4976.44	0.84	27.	432.	2.83	12.92	0.00
0.97	4976.42	0.82	27.	414.	2.75	13.00	0.00
0.96	4976.39	0.79	27.	399.	2.67	13.00	0.00
0.95	4976.36	0.76	27.	383.	2.67	13.00	0.00

*** NORMAL END OF HEC-1 ***

**Existing Conditions HEC-1
Parameters**

1

**Existing Conditions 100Year,
24Hour Event Model HEC-1
Model**

2

**Existing Conditions 5Year,
24Hour Event HEC-1 Model**

3



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*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* MAY 1991
* VERSION 4.0.1E
* Lahey F77L-EM/32 version 5.01
* Dodson & Associates, Inc.
* RUN DATE 01/19/00 TIME 09:17:02
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 551-1748
*
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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
 NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
 DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
 KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1

HEC-1 INPUT

PAGE 1

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

*DIAGRAM

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1 ID CITY OF RENO / STEAD DRAINAGE MASTER PLAN HEC-1 MODEL
2 ID PREPARED FOR CITY OF RENO, WASHOE COUNTY, NEVADA
3 ID
4 ID 5-YEAR, 24-HOUR EVENT EXISTING CONDITIONS HYDROLOGIC MODEL
5 ID PREPARED BY STANTEC CONSULTING, SPARKS, NEVADA
6 ID JOB # :26000208
7 ID FILE NAME: EX_5.DAT
8 ID DATE: JULY 1999
9 ID *****
10 ID *****
11 ID COPIED AND MODIFIED FROM EX_100.DAT - STEAD MASTER 100-YEAR, 24-HOUR HEC-1
12 ID MODEL. MODIFICATIONS INCLUDE:
13 ID 1. REVISED PH CARDS FROM 100-YEAR TO 5-YEAR RAINFALL DEPTHS
14 ID 2. REMOVED ROUTING CARDS FOR 0 CFS FLOWS (HEC-1 UNABLE TO ROUTE)
15 ID
16 ID *****
17 ID BALANCED STORM DISTRIBUTION (PH CARDS)
18 ID RAINFALL DEPTH FROM SSPFS, 1997
19 ID SCS CURVE NUMBER METHOD
20 ID MUSKINGUM CUNGE ROUTING
21 ID *****

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22 IT 5 1200
 23 IO 5

* *****
 * DEPTH AREA REDUCTION FACTORS
 * *****
 * AREA (SQ. MI.) DARF
 * 0 - 2 1.00
 * 2.1 - 8 0.99
 * 8.1 - 16 0.98
 * 16.1 - 29 0.97
 * 29.1 - 43 0.96
 * 43.1 - 65 0.95
 * *****

24 JR PREC 1.00 0.99 0.98 0.97 0.96 0.95
 * *****
 *
 * *****
 * SILVER LAKE DRAINAGE BASIN *
 * *****
 *

25 KK FR1 FREDS MOUNTAIN BASIN 1
 26 BA 13.01
 27 PH 0.001 0.25 0.45 0.76 1.00 1.19 1.58 1.98 2.38
 28 LS 75
 29 UD 2.22

30 KK FR2 FREDS MOUNTAIN BASIN 2
 31 BA 6.84
 32 PH 0.001 0.23 0.42 0.70 0.93 1.11 1.47 1.82 2.16
 33 LS 74
 34 UD 1.64

HEC-1 INPUT

PAGE 2

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

35 KK CP FRD COMBINE HYDROGRAPHS FROM BASINS FR1 & FR2
 36 HC 2

37 KK RT K4A ROUTE CONC PT FRD TO CONC PT SK4
 38 RD 10675 .007 .045 TRAP 5 50

39 KK RR1 RED ROCK BASIN 1
 40 BA 4.23
 41 PH 0.001 0.26 0.47 0.79 1.03 1.22 1.60 2.03 2.46
 42 LS 79
 43 UD 1.64

44 KK RT K4B ROUTE RR1 HYDROGRAPH TO NW AIRPORT PROPERTY CORNER
 45 RD 2960 .019 .035 TRAP 3 3

46 KK RT K4C CONTINUE ROUTE TO CONC PT SK4
 47 RD 3525 .016 .040 TRAP 5 3

48 KK SK4 SILVER KNOLLS BASIN 4
 49 BA 6.25
 50 PH 0.001 0.24 0.44 0.73 0.97 1.15 1.53 1.91 2.28
 51 LS 74
 52 UD 1.34

53 KK CP SK4 COMBINE CONC PT FRD WITH RR1 & SK4 HYDROGRAPHS
54 HC 3

55 KK RT SK3 ROUTE CONC PT SK4 TO CONC PT SK3
56 RD 8600 .004 .040 TRAP 5 50

57 KK SK3 SILVER KNOLLS BASIN 3
58 BA 7.81
59 PH 0.001 0.24 0.43 0.72 0.95 1.13 1.50 1.90 2.29
60 LS 80
61 UD 1.58

62 KK CP SK3 COMBINE CONC PT SK4 WITH SK3 HYDROGRAPH
63 HC 2
*

64 KK RT K2A ROUTE CONC PT SK3 TO OSAGE WETLAND AREA
65 RD 6525 .0025 .040 TRAP 3 5

66 KK SK2 SILVER KNOLLS BASIN 2
67 BA 2.40
68 PH 0.001 0.24 0.44 0.73 0.96 1.14 1.50 1.92 2.33
69 LS 78
70 UD 1.35

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

71 KK CP SK2 COMBINE TWO HYDROGRAPHS @ THE OUTLET OF SK2
72 HC 2

73 KK SK1 SILVER KNOLLS BASIN 1
74 BA 1.60
75 PH 0.001 0.23 0.43 0.71 0.95 1.14 1.53 1.97 2.41
76 LS 74
77 UD 0.87

78 KK CB SLK COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW
79 HC 2
*

80 KK PW6 PEAVINE WEST BASIN 6
81 BA 1.21
82 PH 0.001 0.23 0.42 0.69 0.94 1.12 1.51 1.97 2.43
83 LS 66
84 UD 1.11

85 KK DV PW6 DIVERT PIPE FLOW THRU 60" RCP & 24" RCP BENEATH HIGHWAY 395 TO SS2
86 KM DIVERSION RATING FROM NIMBUS ENGINEERS H&H ANALYSIS FOR
87 KM SILVER SHORES #8, DATED APRIL 1993
88 DT 60PW6
89 DI 0 100 200 214 300
90 DQ 0 100 200 214 214
* Remove routing for 5-year model
* RT RRI ROUTE OVERFLOW AT 60" TO CONC PT RRI
* 1350 .019 .025 TRAP 1 4.5

91 KK PW5 PEAVINE WEST BASIN 5

92	BA	0.90									
93	PH		0.001	0.23	0.41	0.69	0.95	1.15	1.56	2.02	2.48
94	LS		66								
95	UD	1.19									
96	KK DV PW5		DIVERT OVERFLOW AT INTERSECTION OF RED ROCK ROAD AND N. VIRGINIA								
97	KM		DIVERT OVERFLOW TO BASIN PW4								
98	DT	RR&NV									
99	DI	0	15	17	66	170					
100	DQ	0	0	1	32	104					
101	KK	RRI	RED ROCK INTERCHANGE BASIN								
102	BA	0.02									
103	PH		0.001	0.24	0.43	0.71	0.95	1.14	1.52	1.96	2.39
104	LS		71								
105	UD	0.17									
106	KK CP RRI		COMBINE HYDROGRAPHS FROM PW5 & PW6 WITH RRI								
107	HC	3									

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

108	KK DV RRI		DIVERT PIPE FLOW AT 24" RCP BENEATH SOUTHBOUND RED ROCK INT ONRAMP								
109	KM		DIVERT PIPE FLOW TO BASIN SS2								
110	DT	24RRI									
111	DI	0	30	100	200						
112	DQ	0	30	30	30						
	*										
	*		The total surface flow at the Red Rock Underpass will flow in both								
	*		sides of the roadway to the north, and some flows from the street will								
	*		overtop the street and combine with flows in the roadside channels.								
	*		The potential split flows at this location was not quantified. For the								
	*		purpose of this model, the total flow was routed in the street to Moya Blvd								
	*		where the street flows combine with the channel flows.								
	*										
	*		Remove this route for the 5-year model								
	*	RT R3C	ROUTE FLOWS IN THE STREET TO RED ROCK & MOYA								
	*	2350	.035	.016		TRAP	1.5	25			
113	KK	SS2	SILVER SHORES BASIN 2								
114	BA	0.10									
115	PH		0.001	0.23	0.43	0.71	0.95	1.13	1.51	1.93	2.36
116	LS		71								
117	UD	0.31									
118	KK	60RCP	RETRIEVE 60" RCP PIPE FLOW DIVERSION FROM BASIN PW6								
119	DR	60PW6									
120	KK	RT SS2	ROUTE FLOW TO CONC PT SS2								
121	RD	1525	.033	.035		TRAP	6	3			
122	KK	24CMP	RETRIEVE 24" CMP PIPE FLOW DIVERSION FROM BASIN RRI								
123	DR	24RRI									
124	KK CP SS2		COMBINE CP RRI, 24" CMP AND 60" RCP WITH SS2 HYDROGRAPH								
125	HC	3									
126	KK	RT R3D	ROUTE CONC PT SS2 IN EX CONCRETE CHANNEL ALONG RED ROCK TO MOYA BLVD								

127 RD 1620 .021 .022 TRAP 10 2

128 KK CB MOY COMBINE THE CHANNEL FLOWS & THE STREET FLOWS
129 HC 2

*
* US 395 CULVERT DIVERSION RATINGS FOR BASINS PW1 THRU PW4 WERE TAKEN FROM
* NIMBUS ENGINEERS HYDROLOGIC AND HYDRAULIC ANALYSIS FOR SILVER SHORES #8,
* DATED APRIL 1993
*

130 KK PW1 PEAVINE WEST BASIN 1
131 BA 0.42
132 PH 0.001 0.23 0.41 0.69 0.95 1.14 1.55 2.04 2.52
133 LS 70
134 UD 0.59

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

135 KK DV PW1 DIVERT PIPE FLOW AT 48" RCP BENEATH 395 TO BASIN GR4
136 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
137 DT 48PW1
138 DI 0 63 139 195 261
139 DQ 0 63 90 105 115

140 KK DV PW2 DIVERT PIPE FLOW AT 24" RCP BENEATH 395 TO BASIN GR4
141 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
142 DT 24PW2
143 DI 0 62 91 126 169 220
144 DQ 0 10 12 14 16 18

* remove routing for 5-year model
* RT PW2 ROUTE OVERFLOW EAST DOWN 395 TO CONC PT PW2
* 1150 .060 .025 TRAP 1 4.5

145 KK PW2 PEAVINE WEST BASIN 2
146 BA 0.23
147 PH 0.001 0.23 0.42 0.69 0.95 1.14 1.55 2.02 2.50
148 LS 69
149 UD 0.48

150 KK CP PW2 COMBINE HYDROGRAPHS FROM BASINS PW1 & PW2
151 HC 2

152 KK DV PW2 DIVERT PIPE FLOW AT 42" RCP BENEATH 395 TO BASIN GR4
153 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
154 DT 42PW2
155 DI 0 116 133 173 252 379 561
156 DQ 0 116 121 125 130 135 140

* remove routing for 5-year run
* RT PW3 ROUTE OVERFLOW EAST DOWN 395 TO CONC PT PW3
* 1750 .060 .025 TRAP 1 4.5

157 KK PW3 PEAVINE WEST BASIN 3
158 BA 1.02
159 PH 0.001 0.23 0.41 0.69 0.94 1.14 1.54 2.03 2.51
160 LS 70
161 UD 0.92

162 KK CP PW3 COMBINE HYDROGRAPHS FROM CONC PT PW2 WITH BASIN PW3

163 HC 2

164 KK DV PW3 DIVERT PIPE FLOW AT 48" RCP BENEATH 395 TO BASIN GR4
 165 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
 166 DT 48PW3
 167 DI 0 160 330 367 463
 168 DQ 0 160 200 206 220

169 KK PW4 PEAVINE WEST BASIN 4
 170 BA 1.55
 171 PH 0.001 0.23 0.42 0.69 0.94 1.13 1.53 2.01 2.48
 172 LS 66
 173 UD 0.87

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

174 KK Rrint RETRIEVE DIVERSION AT INTERSECTION OF RED ROCK AND N. VIRGINIA (PW5)
 175 DR RR&NV

176 KK DV PW4 DIVERT PIPE FLOW AT 42" RCP BENEATH 395 TO BASIN GR3
 177 KM DIVERSION RATING FROM NIMBUS-SILVER SHORES #8
 178 DT 42PW4
 179 DI 0 115 366 540
 180 DQ 0 115 130 140

181 KK CP PW4 COMBINE CONC PT PW3 & PW5 SPLIT WITH PW4 HYDROGRAPH
 182 HC 3

183 KK DET48 DETENTION STORAGE AT CONC PT PW4, INLET OF 48" RCP BENEATH 395
 184 KM DETENTION RATING MODIFIED FROM NIMBUS-SILVER SHORES #8
 185 RS 1 STOR 0
 186 SA 0 0.01 0.09 0.21 0.37 0.64 1.40 3.88 5.44 5.5
 187 SE 66.9 70 72 74 76 78 80 84 86 87
 188 SQ 0 50 108 150 182 210 234 277 295 305

189 KK RT R4E ROUTE FLOW AT 48" RCP OUTLET TO CONC PT GR4
 190 RD 560 .025 .040 TRAP 10 2

*
 * RETRIEVE PIPE DIVERSION FLOWS FROM BASINS PW1 - PW3
 *

191 KK 48RCP RETRIEVE 48" RCP DIVERSION FROM BASIN PW1
 192 DR 48PW1

193 KK RT R4A ROUTE FLOW AT 48" OUTLET TO CONC PT GR4
 194 RD 5330 .049 .035 TRAP 7 2

195 KK 24RCP RETRIEVE 24" RCP DIVERSION FROM BASIN PW2
 196 DR 24PW2
 * remove routing for 5-year run
 * RT R4B ROUTE FLOW AT 24" OUTLET TO CONC PT GR4
 * 4660 .049 .034 TRAP 9 2

197 KK 42RCP RETRIEVE 42" RCP DIVERSION FROM BASIN PW2
 198 DR 42PW2

199 KK RT R4C ROUTE FLOW AT 42" OUTLET TO CONC PT GR4
 200 RD 3020 .046 .033 TRAP 12 1.5

201 KK 48RCP RETRIEVE 48" RCP DIVERSION FROM BASIN PW3
 202 DR 48PW3
 203 KK RT R4D ROUTE FLOW AT 48" OUTLET TO CONC PT GR4
 204 RD 760 .032 .040 TRAP 10 2
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

205 KK GR4 GRANITE HILLS BASIN 4
 206 BA 0.39
 207 PH 0.001 0.23 0.42 0.70 0.96 1.15 1.56 2.01 2.46
 208 LS 73
 209 UD 0.35

210 KK CP GR4 COMBINE ALL PIPE DIVERSIONS & CONC PT PW4 WITH GR4 HYDROGRAPH
 211 HC 6

212 KK RT R3A ROUTE CONC PT GR4 TO CONC PT GR3 AT RED ROCK ROAD AND MOYA BLVD
 213 RD 1670 .013 .040 TRAP 10 3

214 KK 42RCP RETRIEVE 42" RCP DIVERSION FROM BASIN PW4
 215 DR 42PW4

216 KK RT R3B ROUTE FLOW AT 42" OUTLET TO CONC PT GR3
 217 RD 1975 .020 .040 TRAP 6 2

218 KK GR3 GRANITE HILLS BASIN 3
 219 BA 0.11
 220 PH 0.001 0.23 0.43 0.71 0.95 1.14 1.53 1.98 2.42
 221 LS 67
 222 UD 0.35

223 KK CP GR3 COMBINE CONC PTS GR4, 42" PW4 RCP, AND GR3 HYDROGRAPH
 224 HC 3

225 KK CP CHN COMBINE CONC PT GR3 WITH SS2 CHANNEL FLOW.
 226 HC 2

227 KK RT SLB ROUTE CONC PT CHN IN CHANNEL TO SILVER LAKE
 228 RD 3260 .015 .035 TRAP 12 3

229 KK GR2 GRANITE HILLS BASIN 2
 230 BA 0.10
 231 PH 0.001 0.23 0.43 0.71 0.96 1.15 1.54 1.97 2.41
 232 LS 75
 233 UD 0.37

234 KK RT SLA ROUTE GR2 HYDROGRAPH IN NATURAL CHANNEL TO SILVER LAKE
 235 RD 1690 .018 .040 TRAP 3 3

236 KK GR1 GRANITE HILLS BASIN 1
 237 BA 0.58
 238 PH 0.001 0.23 0.42 0.70 0.96 1.15 1.55 1.99 2.42
 239 LS 74
 240 UD 0.32

241 KK CB SLK COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

243 KK PA1 PEAVINE ADDITIONAL BASIN 1
 244 BA 0.41
 245 PH 0.001 0.23 0.42 0.69 0.93 1.11 1.48 1.92 2.36
 246 LS 67
 247 UD 0.40

248 KK RT SS1 ROUTE PA1 HYDROGRAPH TO CONC PT SS1
 249 RD 965 .046 .035 TRAP 5 2.5

250 KK SS1A SILVER SHORES BASIN 1A
 251 BA 0.02
 252 PH 0.001 0.23 0.42 0.70 0.94 1.12 1.49 1.90 2.32
 253 LS 71
 254 UD 0.20

255 KK SS1B SILVER SHORES BASIN 1B
 256 BA 0.01
 257 PH 0.001 0.23 0.42 0.70 0.94 1.12 1.49 1.90 2.32
 258 LS 85
 259 UD 0.06

260 KK DT SS1 ROUTE RUNOFF FROM BASIN SS1B THRU DETENTION BASIN
 261 RS 1 STOR 0
 262 SA 0 0.025 0.036 0.049 0.064 0.081 0.098 0.098
 263 SE 17.5 18 19 20 21 22 23 23.5
 264 SQ 0 1 2.5 4 4.5 5.5 6 121

265 KK CP SS1 COMBINE PA1 & SS1 HYDROGRAPHS AT CONC PT SS1
 266 HC 3

267 KK RT SS3 ROUTE CONC PT SS1 NORTH TO MOYA BLVD
 268 RD 3115 .038 .035 TRAP 5 3

269 KK SS3 SILVER SHORES BASIN 3
 270 BA 0.36
 271 PH 0.001 0.24 0.43 0.71 0.95 1.13 1.50 1.92 2.34
 272 LS 88
 273 UD 0.39

274 KK CB SLK COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE
 275 HC 3
 *

276 KK SL2 SILVER LAKE BASIN 2
 277 BA 0.04
 278 PH 0.001 0.23 0.42 0.70 0.93 1.11 1.48 1.89 2.30
 279 LS 82
 280 UD 0.27

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

281	KK	RT L3A	ROUTE SL2 HYDROGRAPH TO CONC PT SL3A								
282	RD	2400	.005	.013		CIRC			3		
283	KK	SL3A	SILVER LAKE BASIN 3A								
284	BA	0.08									
285	PH		0.001	0.23	0.42	0.70	0.94	1.12	1.49	1.90	2.30
286	LS		81								
287	UD	0.24									
288	KK	C SL3A	COMBINE HYDROGRAPHS FROM BASINS SL2 & SL3A								
289	HC	2									
290	KK	DT L3A	ROUTE THRU SL3A DETENTION BASIN								
	*		DETENTION BASIN PARAMETERS BASED ON PYRAMID ENGINEERS GRADING PLAN								
	*		FOR SPECIAL USE PERMIT DATED FEB 98								
291	RS	1	STOR	0							
292	SA	0	0.13	0.19	0.26	0.33	0.41	0.52	0.58		
293	SE	3.9	4	6	8	10	12	14	16		
294	SL	4.9	3.14	0.65	0.5						
295	SS	13.3	137	2.6	1.5						
296	KK	RT L3B	ROUTE TO CP SL3B								
297	RD	1170	.024	.035		TRAP	5		4		
298	KK	SL3B	SILVER LAKE BASIN 3B								
299	BA	0.05									
300	PH		0.001	0.23	0.42	0.71	0.94	1.12	1.49	1.90	2.30
301	LS		85								
302	UD	0.22									
303	KK	CB SL3	COMBINE FLOWS FROM THE DETENTION OUTLET & SL3B								
304	HC	2									
305	KK	RT GC3	ROUTE CONC PT SL3 TO CONC PT GC3								
306	RD	605	.016	.035		TRAP	5		3		
307	KK	GC3	GOLF COURSE BASIN 3								
308	BA	0.12									
309	PH		0.001	0.23	0.42	0.70	0.94	1.11	1.48	1.88	2.28
310	LS		75								
311	UD	0.27									
312	KK	CB GC3	COMBINE CONC PT SL3 AND GC3 HYDROGRAPHS AT DROP INLET STRUCTURE								
313	HC	2									
314	KK	CB SLK	COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE								
315	HC	2									
	*										

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

316	KK	PA2	PEAVINE ADDITIONAL BASIN 2								
317	BA	0.25									
318	PH		0.001	0.23	0.42	0.69	0.93	1.10	1.47	1.89	2.32
319	LS		69								
320	UD	0.28									
321	KK	RT SL1	ROUTE PA2 HYDROGRAPH TO CONC PT SL1								

322 RD 755 .017 .013 CIRC 3
 323 KK SL1 SILVER LAKE BASIN 1
 324 BA 0.02
 325 PH 0.001 0.23 0.42 0.70 0.93 1.11 1.48 1.88 2.29
 326 LS 79
 327 UD 0.12

328 KK CP SL1 COMBINE HYDROGRAPHS FROM BASINS PA2 & SL1
 329 HC 2

330 KK RT C2A ROUTE CONC PT SL1 NORTH THRU BASIN GC2
 331 RD 4860 .028 .035 TRAP 4 3

332 KK RT C2B CONTINUE ROUTING IN LARGE CHANNEL TO CONC PT GC2
 333 RD 1270 .006 .035 TRAP 20 3

334 KK GC2 GOLF COURSE BASIN 2
 335 BA 0.18
 336 PH 0.001 0.23 0.42 0.70 0.93 1.11 1.47 1.87 2.27
 337 LS 78
 338 UD 0.45

339 KK CB GC2 COMBINE CONC PT SL1 & BASIN GC2 HYDROGRAPHS - NOT THE TOTAL FLOW
 340 HC 2
 *

341 KK PA3 PEAVINE ADDITIONAL BASIN 3
 342 BA 0.10
 343 PH 0.001 0.23 0.42 0.69 0.92 1.10 1.46 1.88 2.29
 344 LS 69
 345 UD 0.27

346 KK RT LEA ROUTE PA3 HYDROGRAPH TO 30" RCP INLET BEHIND SILVER LAKE ESTATES
 347 RD 600 .067 .035 TRAP 4 5

348 KK DV SLE DIVERT OVERFLOW AT 30" RCP TO BASIN SLE
 349 DT 30SLE
 350 D1 0 50 100 200
 351 DQ 0 0 50 150

352 KK RT LEC ROUTE TO THE PIPE OUTLET
 353 RD 835 .040 .013 CIRC 2.5
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

354 KK RT C1A ROUTE FLOW AT 30" OUTLET TO CONC PT GC1
 355 RD 3365 .029 .035 TRAP 4 3

356 KK GC1 GOLF COURSE BASIN 1
 357 BA 0.25
 358 PH 0.001 0.23 0.42 0.69 0.92 1.10 1.46 1.85 2.24
 359 LS 78
 360 UD 0.36

361 KK CB GC1 COMBINE TWO HYDROGRAPHS @ CP GC1 - NOT THE TOTAL FLOW
 362 HC 2
 *

363 KK PW7 PEAVINE WEST BASIN 7
 364 BA 1.25
 365 PH 0.001 0.23 0.41 0.68 0.93 1.11 1.50 1.95 2.39
 366 LS 69
 367 UD 1.31

368 KK DV PW7 DIVERT OVERFLOW AT 48" RAILROAD CULVERT TO BASIN AW1
 369 DT RRPW7
 370 DI 0 100 130 142 170 216 282
 371 DQ 0 0 0 7 30 71 131

372 KK RT PA4 ROUTE FLOW AT 48" OUTLET TO CONC PT PA4
 373 RD 1160 .060 .035 TRAP 5 2.5

374 KK PA4 PEAVINE ADDITIONAL BASIN 4
 375 BA 0.02
 376 PH 0.001 0.23 0.42 0.69 0.92 1.09 1.46 1.86 2.27
 377 LS 73
 378 UD 0.14

379 KK CP PA4 COMBINE PW7 & PA4 HYDROGRAPHS
 380 HC 2

381 KK DV PA4 DIVERT OVERFLOW AT DUAL 24" CMP CULVERTS TO BASIN AW3
 382 DT 24PA4
 383 DI 0 56 127 139 154 172 193 217
 384 DQ 0 0 65 77 90 103 118 133

385 KK RT PA6 ROUTE FLOW AT DUAL 24" OUTLETS TO CONC PT PA6
 386 RD 595 .054 .035 TRAP 5 2.5

387 KK PA6 PEAVINE ADDITIONAL BASIN 6
 388 BA 0.01
 389 PH 0.001 0.23 0.42 0.69 0.92 1.09 1.46 1.85 2.25
 390 LS 71
 391 UD 0.12

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

392 KK CP PA6 COMBINE CONC PT PA4 WITH BASIN PA6 HYDROGRAPH
 393 HC 2

394 KK DV PA6 DIVERT OVERFLOW AT 36" RCP HIGHWAY CULVERT TO BASIN SRS
 395 DT 36PA6
 396 DI 0 52 67 116 151 270
 397 DQ 0 0 7 47 79 191

398 KK RT A7B ROUTE FLOW AT 36" OUTLET TO CONC PT PA7
 399 RD 615 .045 .035 TRAP 5 2.5

400 KK PA5 PEAVINE ADDITIONAL BASIN 5
 401 BA 0.005
 402 PH 0.001 0.23 0.42 0.69 0.92 1.09 1.46 1.85 2.25
 403 LS 71
 404 UD 0.10

405 KK RT A7A ROUTE PA5 HYDROGRAPH TO CONC PT PA7

406 RD 1235 .042 .013 CIRC 1.8
 407 KK PA7 PEAVINE ADDITIONAL BASIN 7
 408 BA 0.02
 409 PH 0.001 0.23 0.42 0.69 0.92 1.10 1.46 1.86 2.25
 410 LS 74
 411 UD 0.26

412 KK CP PA7 COMBINE CONC PT PA6 WITH BASIN PA5 & PA7 HYDROGRAPHS
 413 HC 3

414 KK RT SDA ROUTE TO CP RSD THRU 54" PIPE TO THE PIPE OUTLET
 415 RD 1210 .035 .013 CIRC 4.5

416 KK RT SDB CONTINUE ROUTING TO CP RSD IN THE CHANNEL
 417 RD 785 .020 .035 TRAP 6 3

418 KK AW1 AUTO WRECKER BASIN 1
 419 BA 0.04
 420 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.46 1.86 2.27
 421 LS 69
 422 UD 0.26

423 KK PW7SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PW7
 424 DR RRPW7

425 KK CP AW1 COMBINE SPLIT FLOW FROM PW7 WITH BASIN AW1 HYDROGRAPH
 426 HC 2

427 KK DV AW1 DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN AW2
 428 DT RRAW1
 429 DI 0 25 39 73 128
 430 DQ 0 0 7 39 93

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

431 KK RT AWC ROUTE FLOW AT 24" OUTLET TO 30" CMP INLET BEHIND AUTO WRECKER
 432 RD 1180 .080 .035 TRAP 3 5

433 KK RT AWD ROUTE THRU 30" CMP TO CONC PT AW3
 434 KM (Excess flow will travel overland to conc pt AW3)
 435 RD 705 .074 .024 CIRC 2.5

436 KK AW2 AUTO WRECKER BASIN 2
 437 BA 0.36
 438 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.46 1.87 2.28
 439 LS 68
 440 UD 0.82

441 KK AW1SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN AW1
 442 DR RRAW1

* remove routing for 5-year run

* RT AW1 ROUTE THE SPLIT ALONG RAILROAD SIDING TO BASIN AW2

* 515 .006 .035 TRAP 12 3

443 KK CP AW2 COMBINE SPLIT FLOW FROM AW1 WITH BASIN AW2 HYDROGRAPH
 444 HC 2

445 KK DET36 DETENTION STORAGE AT CONC PT AW2, INLET OF 36" CMP AT RAILROAD
 446 RS 1 STOR 0
 447 SA 0 0.5 1.1
 448 SE 5285.8 5300.0 5314.0
 449 SQ 0 125 160

450 KK RT AWE ROUTE FLOW AT 36" OUTLET TO 36" CMP INLET BEHIND AUTO WRECKER
 451 RD 700 .061 .035 TRAP 4 2.5

452 KK DV A36 DIVERT PIPE FLOW AT 36" CULVERT TO BASIN S11
 453 KM (Rating for this diversion based upon limiting conditions at
 454 KM downstream section of pipe)

455 DT 36AW3
 456 DI 0 45 200
 457 DQ 0 45 45

* remove routing for 5-year run
 * RT AWF ROUTE OVERFLOW AT 36" INLET TO CONC PT AW3
 * 1410 .052 .020 TRAP 10 50

458 KK 2-24 RETRIEVE SPLIT AT DUAL 24" CMP's AT PA4 OUTLET
 459 DR 24PA4

* remove routing for 5-year run
 * RT AWA ROUTE OVERFLOW AT DUAL 24's EAST TO 18" CMP INLET
 * 575 .030 .025 TRAP 3 10

460 KK DV 18 DIVERT PIPE FLOW AT 18" CMP TO BASIN SRS
 461 DT 18AW3
 462 DI 0 11 14 30 61 107
 463 DQ 0 11 11 11 13 17

* remove routing for 5-year run
 * RT AWB ROUTE OVERFLOW AT 18" INLET EAST TO CONC PT AW3
 * 1055 .053 .025 TRAP 3 10

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

464 KK AW3 AUTO WRECKER BASIN 3
 465 BA 0.11
 466 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.45 1.84 2.24
 467 LS 77
 468 UD 0.18

469 KK CP AW3 COMBINE FLOWS AT CONC PT AW3
 470 HC 4

471 KK DV A30 DIVERT PIPE FLOW AT 30" CMP TO BASIN S11
 472 DT 30AW3
 473 DI 0 27 35 59 106 178 275
 474 DQ 0 27 28 29 30 31 32

* remove routing for 5-year run
 * RT RSC ROUTE CONC PT AW3 TO CONC PT SRS
 * 2475 .023 .030 TRAP 7 2.5

475 KK 36RCP RETRIEVE DIVERSION FROM BASIN PA6
 476 DR 36PA6

* remove routing for 5-year run
 * RT RSA ROUTE DIVERSION FROM PA6 TO CONC PT SRS
 * 1745 .047 .035 TRAP 3 1

477 KK 18CMP RETRIEVE 18" CMP DIVERSION FROM BASIN AW3
 478 DR 18AW3
 * remove routing for 5-year run
 * RT RSB ROUTE FLOW AT 18" OUTLET TO CONC PT SRS
 * 2305 .046 .040 TRAP 3 1

479 KK SRS STEAD RAIL SPUR BASIN
 480 BA 0.03
 481 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.45 1.85 2.24
 482 LS 74
 483 UD 0.26

484 KK CP SRS COMBINE FLOWS AT CONC PT SRS
 485 HC 4

486 KK RT SDC ROUTE FROM CP SRS TO CP RSD IN THE CHANNEL
 487 RD 1260 .020 .035 TRAP 6 3

488 KK 30CMP RETRIEVE FLOW AT 30" OUTLET AT CONC PT AW3
 489 DR 30AW3

490 KK 36CMP RETRIEVE FLOW AT 36" INLET BEHIND AUTO WRECKER
 491 DR 36AW3

492 KK RT AWG ROUTE PIPE FLOW AT 36" INLET TO THE OUTLET
 493 RD 1220 .061 .024 CIRC 3
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

494 KK CP CHL COMBINE OUTLET FLOWS OF 30" & 36" CMP's IN EX EARTH CHANNEL
 495 HC 2

496 KK RT I1A ROUTE FLOW AT 30" & 36" OUTLETS TO CONC PT S11
 497 RD 1385 .028 .035 TRAP 12 1.5

498 KK DV S11 DIVERT PIPE FLOW AT 36" CMP BENEATH STEAD INTERCHANGE ONRAMP
 499 KM (Divert pipe flow to basin S12 based upon rating at SB offramp)
 500 DT 36S11
 501 DI 0 32 42 65 98 149
 502 DQ 0 32 38 46 50 54

503 KK S11 STEAD INTERCHANGE BASIN 1
 504 BA 0.04
 505 PH 0.001 0.23 0.41 0.69 0.91 1.09 1.45 1.83 2.21
 506 LS 74
 507 UD 0.19

508 KK CP S11 COMBINE CHANNEL OVERFLOW WITH BASIN S11 HYDROGRAPH
 509 HC 2

510 KK DV STD DIVERT STREET FLOWS @ THE INLET OF 24" CMP TO CP ST1
 511 DT STDBL1
 512 DI 0 21 50 100
 513 DQ 0 0 29 79

514 KK 0-CFS DIVERT ALL PIPE FLOWS HERE
 515 DT 24S11
 516 DI 0 21 50

517 DQ 0 21 50
 * TOTAL FLOW HERE FROM SI1 = 0 CFS - COMBINE @ CP RSD

518 KK 36CMP RETRIEVE 36" CMP DIVERSION FROM BASIN SI1
 519 DR 36SI1

520 KK RT SI2 ROUTE FLOW AT 36" OUTLET TO CONC PT SI2
 521 RD 695 .020 .035 TRAP 12 1.5

522 KK SI2 STEAD INTERCHANGE BASIN 2
 523 BA 0.01
 524 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.45 1.83 2.21
 525 LS 74
 526 UD 0.13

527 KK CP SI2 COMBINE CHANNEL FLOW WITH SI2 HYDROGRAPH
 528 HC 2
 * Begin storm drain network at 48" barscreen inlet

529 KK DV SI2 DIVERT STORM DRAIN SPLIT FLOWS EAST TO STEAD BLVD IN 36" RCP
 530 DT 36SI2
 531 DI 0 10 31 45 62
 532 DQ 0 10 26 35 45
 HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

533 KK RT T1A ROUTE FROM CP SI2 TO THE 24" CMP OUTLET
 534 KM 24" CMP BENEATH RAILROAD
 535 RD 485 .009 .024 CIRC 2

536 KK RT SDD ROUTE FROM 24" CMP OUTLET TO CP RSD
 537 RD 680 .017 .035 TRAP 6 3

538 KK CB RSD COMBINE FOUR HYDROGRAPHS AT CP RSD - NOT THE TOTAL FLOW
 539 HC 4

540 KK RSD RAIL SPUR DITCH BASIN
 541 BA 0.02
 542 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.45 1.84 2.23
 543 LS 86
 544 UD 0.18

545 KK PA3SP RETRIEVE DIVERSION AT 30" RCP INLET BEHIND SILVER LAKE ESTATES
 546 DR 30SLE
 * USE KINEMATIC WAVE ROUTING - HEC-1 MODEL WILL NOT RUN WITH MUSK-CUNGE HERE
 *
 * remove routing for 5-year run
 * RT LEB ROUTE THE OVERFLOW TO CP SLE
 * 3275 .017 .013 TRAP 1.5 50

547 KK SLE SILVER LAKE ESTATES BASIN
 548 BA 0.13
 549 PH 0.001 0.23 0.42 0.69 0.92 1.10 1.46 1.86 2.25
 550 LS 82
 551 UD 0.31

552 KK CP SLE COMBINE DIVERSION FLOWS & SLE @ CP SLE
 553 HC 2

554 KK DV SLE DIVERT ROADWAY SPLIT FLOWS TO BASIN GC1
 555 KM OVERFLOW AT N EDGE OF SILVER LAKE BLVD, WEST OF RAILROAD
 556 DT STSLE
 557 DI 0 28 100 300
 558 DQ 0 0 72 272
 *

559 KK CP RSD COMBINE ALL FLOWS @ CP RSD
 560 HC 3

561 KK DV RSD DIVERT FLOWS TO STEAD BLVD @ CP RSD - SILVER LAKE BLVD
 562 KM FLOW EAST OVER RAILROAD ON SILVER LAKE BLVD
 563 DT RRRSD
 564 DI 0 26 61 237 615
 565 DQ 0 0 26 166 469
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

566 KK RT C1C ROUTE CONC PT RSD TO CONC PT GC1
 567 RD 3835 .016 .035 TRAP 10 1

568 KK RC SLE RETRIEVE DIVERSION FROM BASIN SLE
 569 DR STSLE
 * remove routing for 5-year run
 * RT C1B ROUTE SPLIT OVERFLOW FROM CP SLE TO CP GC1
 * 4205 .019 .035 TRAP 10 1

570 KK CP GC1 COMBINE CONC PT RSD WITH SLE SPLIT & GC1 HYDROGRAPH
 571 HC 3

572 KK RT C2C ROUTE CONC PT GC1 TO TOP OF USBR STRUCTURE
 573 RD 1400 .009 .035 TRAP 12 2

574 KK RT C2D CONTINUE ROUTING FROM BOTTOM OF USBR STRUCTURE TO END OF CHANNEL
 575 RD 1740 .007 .035 TRAP 20 3

576 KK CP GC2 COMBINE CONC PTS GC1 & GC2 IN CHANNEL AT MOYA BLVD CULVERT INLETS
 577 HC 2

578 KK UPR UNION PACIFIC REALTY BASIN
 579 BA 0.14
 580 PH 0.001 0.23 0.42 0.70 0.94 1.11 1.48 1.87 2.27
 581 LS 91
 582 UD 0.43

583 KK CB SLK COMBINE FLOWS AT SILVER LAKE - NOT THE TOTAL FLOW @ SILVER LAKE
 584 HC 3
 *

585 KK LEA LEAR DRAINAGE BASIN
 586 BA 0.14
 587 PH 0.001 0.23 0.42 0.70 0.93 1.10 1.47 1.85 2.24
 588 LS 90
 589 UD 0.52

590 KK DV JCP DIVERT STORM DRAIN FLOWS EAST TO STEAD BLVD IN BASIN ST2
 591 KM 30" STORM DRAIN ALONG JCPENNEY NORTH ENTRANCE ROAD

592 DT 30JCP
 593 DI 0 18 100 400
 594 DQ 0 18 18 18

595 KK DV LEA DIVERT STORM DRAIN FLOWS TO LEMMON LAKE BASIN MA1
 596 KM 24" STORM DRAIN THRU RR DONNELLY PROPERTY
 597 DT 24LEA
 598 DI 0 15 100 400
 599 DQ 0 15 15 15

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

600 KK 24CMP RETRIEVE 24" CMP/RCP STORM DRAIN FLOW FROM CP S11
 601 DR 24S11
 * IGNORE ROUTING - TOO SHORT
 * RT T1C ROUTE APPROX. 390 FEET IN THE PIPE TO THE NORTH
 * 390 .020 .013 CIRC 2

602 KK 36RCP RETRIEVE 36" RCP STORM DRAIN FLOWS FROM S12
 603 DR 36S12
 * IGNORE ROUTING - TOO SHORT
 * RT T1B ROUTE TO STEAD BLVD IN STORM DRAIN PIPE
 * 230 .020 .013 CIRC 3

604 KK CB STM COMBINE STORM DRAIN FLOWS FROM S11 & S12 @THE MANHOLE NEAR THE SCHO
 605 HC 2

606 KK DV ST1 DIVERT STORM DRAIN FLOWS ACROSS STEAD BLVD IN 24" RCP
 607 DT 24ST1
 608 DI 0 26 32 42 54 60
 609 DQ 0 0 5 15 26 30

610 KK RT T1D ROUTE STEAD BLVD STORM DRAIN FLOWS TO CP ST1 AT 24" RCP OUTLET
 611 RD 1610 .016 .013 CIRC 2

612 KK RC STD RETRIEVE STREET FLOWS FROM CP S11
 613 DR STDBL1
 * USE KINEMATIC WAVE ROUTING - MUSK-CUNGE DOESN'T WORK HERE
 * remove routing for 5-year run
 * RT T1E ROUTE STREET FLOWS FROM CP S11 TO CP ST1
 * 1980 .018 .016 TRAP 1.5 50

614 KK RC RSD RETRIEVE DIVERSION FLOWS FROM CP RSD
 615 DR RRRSD

616 KK RT T1F ROUTE DIVERSION FLOWS FROM CP RSD TO CP ST1
 617 RD 520 .050 .013 TRAP 1.5 50

618 KK ST1 STEAD BLVD BASIN 1
 619 BA 0.02
 620 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.45 1.83 2.21
 621 LS 87
 622 UD 0.32

623 KK CP ST1 COMBINE FLOWS @ CP ST1
 624 HC 4

625 KK RT T2A ROUTE FLOWS FROM CP ST1 TO 6'x 6' DROP INLET IN STEAD BLVD

626 RD 1295 .020 .016 TRAP 1 1

627 KK RT T2C CONTINUE ROUTING TO CP ST2 IN STEAD BLVD

628 RD 4480 .016 .016 TRAP 1.5 50

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

629 KK ST2 STEAD BLVD BASIN 2

630 BA 0.40

631 PH 0.001 0.23 0.41 0.69 0.92 1.09 1.46 1.84 2.21

632 LS 87

633 UD 0.51

634 KK DV H2L DIVERT STORM DRAIN FLOWS AT HAZELCREST SUBDIVISION TO LEMMON LAKE

635 DT 18H2L

636 DI 0 9 22 63 200

637 DQ 0 9 15 16 16

638 KK RC JCP RECALL STORM DRAIN DIVERSION AT JCPENNEY SITE FROM BASIN LEA

639 DR 30JCP

640 KK RT T2E ROUTE STORM DRAIN FLOW TO CONC PT ST2

641 RD 2265 .008 .013 CIRC 2.5

642 KK CP ST2 COMBINE ALL FLOWS AT CP ST2 - INTERSECTION OF STEAD & LEAR

643 HC 3

644 KK DV ST2 DIVERT STORM DRAIN FLOWS TO LEMMON LAKE BASIN MA1

645 DT 54ST2

646 DI 0 65 100 500

647 DQ 0 65 65 65

* Use kinematic wave routing for Donnelly channel routes MO2 and MO4 due to excessive attenuation when using Muskingum-Cunge

648 KK CP LEA COMBINE CHANNEL FLOW WITH LEA HYDROGRAPH

649 HC 2

* Detention storage in RR Donnelley perimeter basin per Hanson Engineers
* Leareno Industrial Park Flood Study performed in 1984
* Adjusted elevations based upon spot elev taken at top of conc box, #5343
* Subtracted 15 cfs from SQ card to account for flow already in system from Lear drainage basin to the south (LEA)

650 KK RRDON DETENTION STORAGE AT RR DONNELLEY SITE

651 RS 1 ELEV 4970.15

652 SV 1.13 1.89 4.91 8.97 13.42 18.37

653 SE 4970.2 4970.6 4971.6 4972.6 4973.6 4974.6

654 SQ 0 4 25 51 62 70 77

655 SE 4970.2 4970.6 4971.6 4972.6 4973.6 4974.6 4975.6

656 SS 4970.2

657 ST 4975.6 150 3.0 1.5

*

658 KK DV BOX DIVERT FLOW AT CONCRETE BOX STRUCTURE IN STORM DRAIN TO LEMMON LAKE

659 DT RRBOX

660 DI 0 4 25 1000

661 DQ 0 4 25 25

* Remove routing for 5-year run due to divergence errors
* RT MO2 ROUTE IN CHANNEL TO MOYA DETENTION BASIN

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

662 KK ST3 STEAD BLVD BASIN 3
663 BA 0.53
664 PH 0.001 0.23 0.42 0.69 0.92 1.09 1.45 1.83 2.20
665 LS 86
666 UD 0.83

667 KK RT MO3 ROUTE TO MOYA DETENTION BASIN
668 RD 960 .015 .050 TRAP 10 50

669 KK RT MO4 CONTINUE ROUTING TO MOYA DETENTION BASIN
670 RK 525 .001 .045 TRAP 16 3

671 KK MOY MOYA BLVD BASIN
672 BA 1.17
673 PH 0.001 0.23 0.43 0.71 0.94 1.11 1.47 1.85 2.24
674 LS 84
675 UD 1.24

676 KK CP MOY COMBINE ALL FLOWS AT CP MOY
677 HC 3
*

678 KK DETMO DETENTION STORAGE EAST OF MOYA BLVD
679 RS 1 STOR 0
680 SA 0 51.2 59.1 72.6 120.9 140.2
681 SE 4965 4966.0 4968.0 4970.0 4971.0 4971.4
682 SQ 0 5 51 86 177 944
*

683 KK RT K2B ROUTE MOYA DETENTION BASIN OUTFLOW TO SILVER LAKE
684 RD 4020 .002 .035 TRAP 50 3

685 KK SLK SILVER LAKE BASIN
686 BA 1.32
687 PH 0.001 0.24 0.43 0.72 0.96 1.14 1.52 1.93 2.34
688 LS 93
689 UD 0.30

690 KK CP SLK TOTAL FLOW @ SILVER LAKE
691 HC 3
*

* SILVER LAKE PLAYA STAGE-STORAGE INFORMATION IS FROM NIMBUS ENGINEERS
* FEMA FIS, HYDROLOGIC ANALYSIS OF SILVER LAKE AND LEMMON VALLEY PLAYAS,
* DATED REVISED DECEMBER 1987.
*

692 KK SLWSE SILVER LAKE 5-YEAR, 24-HOUR EVENT WSEL
* INITIAL LAKE STORAGE = 5-YEAR, 24-HOUR VOLUME from the Nimbus Report
693 RS 1 STOR 1278
694 SA 0 1 5.7 21.2 113.9 220.5 314.4 377.5 441.9 525.0
695 SA 596.0 940 1320
696 SQ 0 0 0 0 0 0 0 0 0 0
697 SQ 0 0 0
698 SE 4950 4951 4952 4953 4954 4955 4956 4957 4958 4959

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

699 SE 4960 4965 970

*

* *****

* * LEMMON LAKE DRAINAGE BASIN *

* *****

*

700 KK PE1A PEAVINE EAST BASIN 1A

701 BA 0.05

702 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.83 2.23

703 LS 72

704 UD 0.24

705 KK SRT9C ROUTE THRU DETENTION

706 KM STAGE-AREA-DISCHARGE PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN

707 RS 1 STOR 0

708 SA 0 0.34 0.574

709 SE 84 90.1 94.4

710 SQ 0 0 24

711 KK RT SBG ROUTE FLOW AT 24" OUTLET TO 36" CMP BENEATH RAILROAD

712 RD 1300 .102 .035 TRAP 2 2

713 KK PE1B PEAVINE EAST BASIN 1B

714 BA 0.11

715 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.83 2.23

716 LS 72

717 UD 0.30

718 KK SRT9B ROUTE THRU DETENTION BASIN

719 KM STAGE-AREA-DISCHARGE PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN

720 RS 1 STOR 0

721 SA 0 0.2 0.41 0.411 0.411

* SE 87.2 90.5 93.9 - SE CARD FROM SKY VISTA MODIFIED

722 SE 95.7 99.0 102.4 103 103.5

723 SQ 0 20 35 45 61

724 KK DV PE1 DIVERT FLOWS TO BASIN PE2 ALONG RR

725 DT PE1-RR

726 DI 0 30 38 45 61

727 DQ 0 0 1 6 20

728 KK RT SBA ROUTE PE1B HYDROGRAPH TO 36" CMP BENEATH RAILROAD

729 RD 1320 .090 .035 TRAP 2 2

730 KK CB PE1 COMBINE FLOWS FROM PE1 AT THE INLET OF 36"

731 HC 2

732 KK RT SBB ROUTE FROM 36" CMP OUTLET TO CONC PT ESB

733 RD 2400 .033 .040 TRAP 4 3

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

734 KK PE2 PEAVINE EAST BASIN 2

735 BA 0.35
 736 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.83 2.23
 737 LS 73
 738 UD 0.62

739 KK RC DIV RETRIEVE RR DIVERSION FROM BASIN PE1B
 740 DR PE1-RR
 * remove routing for 5-year run
 * RT E1S ROUTE TO CP PE2
 * 560 .007 .035 TRAP 4 3

741 KK CP PE2 COMBINE FLOWS FROM PE2 & DIVERSION FROM PE1B
 742 HC 2

743 KK DV PE2 DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PE3
 744 DT RRPE2
 745 DI 0 30 39 70 88 111 139 175
 746 DQ 0 0 7 28 38 48 60 74

747 KK RT SBC ROUTE PE2 HYDROGRAPH TO 24" CMP BENEATH RAILROAD
 748 RD 990 .082 .035 TRAP 2 2

749 KK RT SBD ROUTE FROM 24" CMP OUTLET TO CONC PT ESB
 750 RD 3000 .039 .040 TRAP 4 3

751 KK PE3 PEAVINE EAST BASIN 3
 752 BA 0.09
 753 PH 0.001 0.22 0.40 0.67 0.89 1.06 1.41 1.79 2.16
 754 LS 78
 755 UD 0.30

756 KK PE2SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE2
 757 DR RRPE2
 * remove routing for 5-year run
 * RT PE3 ROUTE THE SPLIT ALONG RAILROAD SIDING TO CONC PT PE3
 * 1120 .015 .035 TRAP 10 3

758 KK CP PE3 COMBINE SPLIT FLOW FROM PE2 WITH BASIN PE3 HYDROGRAPH
 759 HC 2

760 KK DV PE3 DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PE4
 761 DT RRPE3
 762 DI 0 25 42 73 128 230
 763 DQ 0 0 12 42 95 165

764 KK RT SBE ROUTE PE3 HYDROGRAPH TO 36" CMP BENEATH RAILROAD
 765 RD 900 .067 .035 TRAP 2 2

HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

766 KK RT SBF ROUTE FROM 36" CMP OUTLET TO CONC PT ESB
 767 RD 3400 .037 .040 TRAP 5 3

768 KK ESB END STEAD BOULEVARD BASIN
 769 BA 0.39
 770 PH 0.001 0.22 0.41 0.68 0.91 1.08 1.43 1.81 2.18
 771 LS 72
 772 UD 0.27

773 KK CP ESB COMBINE PE1, PE2 & PE3 HYDROGRAPHS WITH ESB
 774 HC 4
 *

775 KK ESB-DT LOW STORAGE AREA SOUTH OF HIGHWAY 395
 776 RS 1 STOR 0
 777 SA 0 0.59 0.94 2.0 2.8 3.6
 778 SE 90 92 92.5 94 95 96
 779 SQ 0 24 38 128 299 849

780 KK DV ESB DIVERT FLOWS TO BASIN PE4 ALONG US 395
 781 DT WR-ESB
 782 DI 0 38 128 299 849
 783 DQ 0 0 45 190 717
 *

784 KK RT SE1 ROUTE HIGHWAY CULVERT OUTLET FLOW TO CP SE1
 785 RD 1470 .017 .035 TRAP 4 3

786 KK SE1 STEAD EAST BASIN 1
 787 BA 0.08
 788 PH 0.001 0.22 0.41 0.68 0.90 1.07 1.43 1.80 2.18
 789 LS 74
 790 UD 0.32

791 KK CP SE1 COMBINE FLOW FROM CP ESB WITH SE1 HYDROGRAPH
 792 HC 2
 *

 * NOTE: BASIN PARAMETERS, DETENTION BASINS, AND CHANNEL ROUTING PARAMETERS
 * USED FOR SV3 THRU SV7 WERE TAKEN FROM THE PROPOSED CONDITIONS HEC-1 MODEL
 * PRESENTED IN THE SKY VISTA DRAINAGEWAY MASTER PLAN DATED 9/21/95,
 * PREPARED BY JEFF CODEGA INC.
 * TO BE CONSISTENT WITH THE OVERALL MODEL, PH CARDS FOR SKY VISTA BASINS
 * SV3 THRU SV7 WERE MODIFIED ACCORDINGLY.
 * *****
 *

793 KK RT SV6 ROUTE THRU SKY VISTA BASIN 6 - FROM SKY VISTA DRAINAGE MASTER PLAN
 794 RD 6500 0.014 0.04 TRAP 25 1
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

795 KK SV6 SKY VISTA BASIN 6 - FROM SKY VISTA DRAINAGE MASTER PLAN
 796 BA 0.32
 * NEW PH CARD
 797 PH 0.001 0.22 0.40 0.67 0.89 1.06 1.42 1.78 2.14
 798 LS 84
 799 UD 0.47

800 KK SV7 SKY VISTA BASIN 7 - FROM SKY VISTA DRAINAGE MASTER PLAN
 801 BA 0.073
 * NEW PH CARD
 802 PH 0.001 0.22 0.39 0.66 0.88 1.05 1.40 1.75 2.09
 803 LS 79
 804 UD 0.29

805 KK CP SV7 COMBINE ALL FLOWS AT CP SV7
 806 HC 3

 807 KK SRT679 ROUTE THRU DETENTION BASIN "A"
 808 KM DETENTION BASIN PARAMETERS CALCULATED BASED UPON SKY VISTA PARKWAY
 809 KM EXTENSION DETENTION/RETENTION BASIN DESIGN PLAN
 810 RS 1 STOR 0
 811 SA 2.32 2.77 3.21 4.10 4.9 4.9 4.9
 812 SE 66 68 70 74 76 76.1 76.3
 813 SQ 0 0 21 94 192 288 678

 814 KK RT V4A ROUTE OUTFLOW FROM BASIN SRT679 TO CP SV4 THRU 42" RCP
 815 KM ROUTING PARAMETERS ESTIMATED FROM THE CHANNEL/CULVERT DESIGN PLANS
 816 RD 787 .012 .013 CIRC 3.5

 817 KK RT V4B CONTINUE ROUTING TO CP SV4
 818 KM ROUTING PARAMETERS ESTIMATED FROM THE CHANNEL/CULVERT DESIGN PLANS
 819 RD 1400 .005 .035 TRAP 5 3

 820 KK SV4 SKY VISTA BASIN 4 - FROM SKY VISTA DRAINAGE MASTER PLAN
 821 BA 0.111
 * NEW PH CARD
 822 PH 0.001 0.22 0.40 0.67 0.90 1.07 1.43 1.79 2.15
 823 LS 83
 824 UD 0.22

 825 KK CP SV4 COMBINE OUTFLOWS FROM DETENTON BASIN WITH SV4
 826 HC 2

 827 KK RT MIL ROUTE FLOWS TO CULVERT INLETS AT MILITARY ROAD
 828 KM ROUTING PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
 829 RD 1000 .006 .040 TRAP 12 2
 *

 830 KK RC ST1 RETRIEVE 24" STORM DRAIN DIVERSION FROM BASIN ST1
 831 DR 24ST1
 * remove routing for 5-year run
 * RT E2A ROUTE IN STORM DRAIN 24" RCP OUTLET
 * 1170 .020 .013 CIRC 2
 * remove routing for 5-year run
 * RT E2B CONTINUE ROUTING TO CP SE2
 * 600 .023 .035 TRAP 2 3
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

832 KK SE2 STEAD EAST BASIN 2
 833 BA 0.09
 834 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.82 2.20
 835 LS 87
 836 UD 0.19

 837 KK CP SE2 COMBINE 24" PIPE DIVERSION FROM ST1 & SE2 @ CP SE2
 838 HC 2

 839 KK RT SV3 ROUTE FLOWS FROM SE2 THRU BASIN SV3
 840 KM ROUTING PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
 841 RD 7100 .014 .035 TRAP 15 4

842 KK SE3 STEAD EAST BASIN 3
 843 BA 0.05
 844 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.82 2.20
 845 LS 90
 846 UD 0.22

847 KK RT SV3 ROUTE FLOWS FROM SE3 THRU BASIN SV3
 848 RD 5200 .014 .035 TRAP 15 4

849 KK SV3 SKY VISTA BASIN 3 - FROM SKY VISTA DRAINAGE MASTER PLAN
 850 BA 0.275
 * NEW PH CARD
 851 PH 0.001 0.22 0.41 0.68 0.91 1.08 1.44 1.81 2.18
 852 LS 85
 853 UD 0.59

854 KK CB SV3 COMBINE FLOWS FROM CPSE2, SE3, & SV3
 855 HC 3

856 KK DV SV3 PER SKY VISTA DRAINAGE MASTER PLAN, DIVERT 125 CFS TO DETENTION "B"
 857 DT DET B
 858 DI 0 50 125 200 500
 859 DQ 0 50 125 125 125

860 KK RC SV3 RECALL DIVERSION TO DETENTION BASIN "B"
 861 DR DET B

862 KK SRT3,8 DETENTION BASIN "B" FROM SKY VISTA DRAINAGE MASTER PLAN
 863 KM BASIN PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
 864 RS 1 STOR 0
 865 SA 0 1.22 1.42 1.61 1.81
 866 SE 4954 4956 4958 4960 4962
 867 SQ 0 10 20 30 40 50 60 70 80 90
 868 SE 4958 4959.3 4960 4960.6 4961.2 4961.9 4962.7 4964 4964.1 4964.2

869 KK CP SV3 COMBINE CHANNEL FLOWS WITH DETENTION BASIN "B" OUTFLOWS
 870 HC 2

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

871 KK RT MIL ROUTE FROM CP SV3 TO CULVERTS @ MILITARY ROAD
 872 KM ROUTING PARAMETERS FROM SKY VISTA DRAINAGE MASTER PLAN
 873 RD 1000 .006 .040 TRAP 12 2

874 KK SV5 SKY VISTA BASIN 5 - FROM SKY VISTA DRAINAGE MASTER PLAN
 875 BA 0.027
 * NEW PH CARD
 876 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.82 2.19
 877 LS 91
 878 UD 0.04

879 KK SE4 STEAD EAST BASIN 4
 880 BA 0.01
 881 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.45 1.82 2.19
 882 LS 85
 883 UD 0.18

884 KK CP SE4 COMBINE FLOWS FROM SV5 & SE4 AT RCP INLET

885 KM BEGIN KERNITE STREET STORM DRAIN
886 HC 2

887 KK RT A1A ROUTE TO LEAR BLVD SDMH
888 RD 2665 .009 .013 CIRC 3

889 KK RC HZL RETRIEVE HAZELCREST STORM DRAIN DIVERSION FROM BASIN ST2
890 DR 18HZL

891 KK RT A1D ROUTE HAZELCREST DIVERSION TO LEAR BLVD SDMH
892 RD 620 .007 .013 CIRC 4

893 KK CB SD COMBINE STORM DRAIN FLOWS AT LEAR BLVD SDMH
894 HC 2

895 KK RT A1B ROUTE TO MAIN STORM DRAIN TRUNK OUTLET
896 RD 1260 .002 .024 CIRC 5.5

897 KK RC LEA RETRIEVE 24" SD DIVERSION FROM BASIN LEA
898 DR 24LEA

899 KK RC BOX RETRIEVE CONCRETE BOX STRUCTURE DIVERSION IN DONNELLY DETEN BASIN
900 DR RRBOX

901 KK CB BOX COMBINE LEAR AND DONNELLEY DIVERSIONS IN BOX STRUCTURE
902 HC 2

903 KK RT MO5 ROUTE TO SDMH IN STEAD BLVD
904 RD 1125 .003 .013 CIRC 3

905 KK RC ST2 RETRIEVE 54" x 36" SD DIVERSION FROM ST2
906 DR 54ST2

HEC-1 INPUT

1

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

907 KK CB SD1 COMBINE STORM DRAIN DIVERSIONS IN SDMH
908 HC 2

909 KK RT T2D ROUTE FROM SDMH TO MAIN STORM DRAIN TRUNK OUTLET
910 RD 1795 .002 .024 CIRC 5.5

911 KK CB SD2 COMBINE STORM DRAIN FLOWS AT OUTLET
912 HC 2

913 KK RT A1C ROUTE FROM THE SD OUTLET TO CP MA1 IN EX CHANNEL
914 RD 3875 .006 .035 TRAP 6 2

915 KK MA1 MAYORS PARK BASIN 1
916 BA 0.41
917 PH 0.001 0.23 0.41 0.68 0.91 1.08 1.44 1.81 2.19
918 LS 75
919 UD 0.74

920 KK CP MA1 COMBINE FLOWS AT CP MA1
921 HC 2
*

922 KK PE4 PEAVINE EAST BASIN 4

923 BA 1.85
 924 PH 0.001 0.22 0.39 0.65 0.86 1.02 1.34 1.71 2.07
 925 LS 75
 926 UD 0.93

927 KK PE3SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE3
 928 DR RRPE3

* remove routing for 5-year run
 * RT PE4 ROUTE THE SPLIT FROM PE3 TO CONC PT PE4
 * 4450 .046 .035 TRAP 3 3

929 KK ESB SP RETRIEVE SPLIT FLOW ALONG US395 FROM CP ESB
 930 DR WR-ESB

931 KK CP PE4 COMBINE SPLIT FLOWS FROM PE3 & ESB WITH BASIN PE4 HYDROGRAPH
 932 HC 3

933 KK RT ML1 ROUTE CONC PT PE4 TO CONC PT ML1
 934 RD 9070 .013 .035 TRAP 10 3

935 KK ML1 MILITARY ROAD BASIN 1
 936 BA 1.06
 937 PH 0.001 0.21 0.39 0.64 0.86 1.02 1.35 1.70 2.05
 938 LS 75
 939 UD 1.16

HEC-1 INPUT

1
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

940 KK CP ML1 COMBINE CONC PT PE4 WITH BASIN ML1 HYDROGRAPH
 941 HC 2

942 KK DV WER DIVERT WEIR FLOWS OVER MILITARY ROAD TO THE EAST
 943 DT MIL-WR

944 DI 0 300 400 1000
 945 DQ 0 0 0 600

946 KK DV ML1 DIVERT FLOWS THRU 8.5' x 4' RCB UNDER MILITARY ROAD TO THE EAST
 947 DT BOXML1

948 DI 0 62 145 237 323 450
 949 DQ 0 50 100 150 200 270

950 KK DV MIL DIVERT FLOWS THRU 24" CMP UNDER MILITARY ROAD TO THE EAST
 951 DT 24ML1

952 DI 0 60 173 223
 953 DQ 0 0 13 20

954 KK RT ML3 ROUTE IN WEST ROADSIDE CHANNEL TO BOX CULVERT INLET @ CP ML3
 955 RD 2770 .006 .035 TRAP 10 2

956 KK ML3 MILITARY ROAD BASIN 3
 957 BA 0.17

958 PH 0.001 0.22 0.39 0.66 0.88 1.05 1.40 1.74 2.09
 959 LS 64
 960 UD 0.56

961 KK CP ML3 COMBINE ALL FLOWS AT THE INLET OF BOX CULVERTS UNDER MILITARY ROAD
 962 HC 5

963 KK RC L1A RETRIEVE WEIR FLOW DIVERSION FROM BASIN ML1
 964 DR MIL-WR

965 KK RC L1B RETRIEVE BOX CULVERT DIVERSION FROM BASIN ML1
 966 DR BOXML1

967 KK RC L1C RETRIEVE 24" CMP DIVERSION FROM BASIN ML1
 968 DR 24ML1

969 KK CB DIV COMBINE THREE DIVERSION FLOWS IN EAST ROADSIDE CHANNEL
 970 HC 3

971 KK DV ML2 DIVERT FLOWS IN EXCESS OF 3-36" RCP BENEATH ACCESS ROAD TO ML2
 972 DT ML2-WR

973	D1	0	135	200	1000					
974	DQ	0	0	65	865					

975 KK RT L2A ROUTE IN EAST ROADSIDE CHANNEL TO BOX CULVERT OUTLETS NEAR CP ML3
 976 RD 2775 .006 .035 TRAP 10 2
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

977 KK CB BOX COMBINE FLOWS AT THE OUTLET OF BOX CULVERTS
 978 HC 2

979 KK RT GP1 ROUTE FLOW FROM BOX CULVERTS TO LEMMON LAKE
 980 RD 3605 .007 .030 TRAP 8 1

981 KK ML2 MILITARY ROAD BASIN 2
 982 BA 0.63
 983 PH 0.001 0.21 0.39 0.64 0.86 1.02 1.37 1.69 2.02
 984 LS 65
 985 UD 0.82

986 KK RC ML2 RETRIEVE DIVERSION/OVERFLOW FROM THE ROADSIDE DITCH
 987 DR ML2-WR
 * remove routing for 5-year run
 * RT L2B ROUTE FLOWS TO LEMMON LAKE
 * 5555 .008 .040 TRAP 10 50

988 KK CP ML2 COMBINE FLOWS AT CP ML2
 989 HC 2

990 KK MA2 MAYORS PARK BASIN 2
 991 BA 0.06
 992 PH 0.001 0.23 0.41 0.69 0.91 1.08 1.44 1.81 2.18
 993 LS 68
 994 UD 0.24

995 KK RT GP2 ROUTE FROM CP MA2 THRU SAGE POINT BUSINESS PARK
 996 RD 1060 .049 .035 TRAP 3 4

997 KK RT GP3 CONTINUE ROUTING TO LEMMON LAKE
 998 RD 2555 .004 .025 TRAP 5 3

999 KK SGP SAGE POINT BUSINESS PARK BASIN
 1000 BA 0.26
 1001 PH 0.001 0.22 0.40 0.67 0.89 1.06 1.41 1.77 2.12

1002 LS 84
 1003 UD 0.45
 1004 KK CP SGP COMBINE BASIN MA2 & SGP HYDROGRAPHS
 1005 HC 2
 1006 KK LD1 LEMMON DRIVE BASIN 1
 1007 BA 0.33
 1008 PH 0.001 0.20 0.37 0.62 0.82 0.97 1.29 1.61 1.93
 1009 LS 74
 1010 UD 0.52
 1011 KK RT D3B ROUTE LD1 HYDROGRAPH THRU BASIN LD3 TO LEMMON LAKE
 1012 RD 8600 .006 .035 TRAP 3 3
 HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1013 KK LD3 LEMMON LAKE BASIN 3
 1014 BA 0.80
 1015 PH 0.001 0.20 0.37 0.62 0.83 0.99 1.32 1.62 1.93
 1016 LS 67
 1017 UD 1.27

1018 KK CB LD3 COMBINE FLOWS FROM LD1 & LD3
 1019 HC 2

1020 KK CB LLK COMBINE FLOWS AT LEMMON LAKE - NOT THE TOTAL FLOW @ LEMMON LAKE
 1021 HC 4
 *

1022 KK PE5 PEAVINE EAST BASIN 5
 1023 BA 2.53
 1024 PH 0.001 0.22 0.39 0.65 0.85 1.01 1.32 1.72 2.11
 1025 LS 68
 1026 UD 1.51
 *

1027 KK DET33 DETENTION STORAGE AT CONC PT PE5, INLET OF 33" CMP AT RAILROAD
 1028 RS 1 STOR 0
 1029 SA 0 1.46 3.22 3.3 3.3 3.3
 1030 SE 29.6 40.0 51.5 52.0 52.5 53.0
 1031 SQ 0 75 119 146 204 313

1032 KK DV PE5 DIVERT OVERFLOW AT 33" RAILROAD CULVERT TO BASIN PE6
 1033 DT RRPE5
 1034 DI 0 100 119 146 204 313 555 986
 1035 DQ 0 0 5 31 87 175 292 440
 *

1036 KK RT HR1 ROUTE PE5 HYDROGRAPH TO CONC PT HR1
 1037 RD 2780 .034 .035 TRAP 4 3

1038 KK HR1 HEINDEL ROAD BASIN 1
 1039 BA 0.09
 1040 PH 0.001 0.20 0.37 0.61 0.81 0.96 1.26 1.59 1.91
 1041 LS 75
 1042 UD 0.25

1043 KK CP HR1 COMBINE PE5 AND HR1 HYDROGRAPHS
 1044 HC 2

1045 KK RT H2A ROUTE CONC PT HR1 THRU 54" CMP
 1046 RD 800 .020 .024 CIRC 4.5

1047 KK RT H2B ROUTE OUTLET OF 54" CMP TO CONC PT HR2
 1048 RD 375 .037 .035 TRAP 6 3

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1049 KK HR2 HEINDEL ROAD BASIN 2
 1050 BA 0.03
 1051 PH 0.001 0.20 0.37 0.61 0.81 0.96 1.27 1.58 1.89
 1052 LS 88
 1053 UD 0.12

1054 KK CP HR2 COMBINE CONC PT HR1 WITH HR2 HYDROGRAPH
 1055 HC 2

1056 KK RT G3A ROUTE CONC PT HR2 BENEATH LEMMON DRIVE IN 72" CMP
 1057 RD 1630 .026 .024 CIRC 6

1058 KK RT G3B CONTINUE ROUTING TO CONC PT GV3
 1059 RD 1630 .023 .035 TRAP 8 2

1060 KK HR3 HEINDEL ROAD BASIN 3
 1061 BA 0.10
 1062 PH 0.001 0.20 0.36 0.60 0.80 0.95 1.25 1.56 1.87
 1063 LS 84
 1064 UD 0.20

1065 KK RT G3C ROUTE CONC PT HR3 TO CONC PT GV3
 1066 RD 3690 .023 .035 TRAP 3 3

1067 KK PE6 PEAVINE EAST BASIN 6
 1068 BA 0.10
 1069 PH 0.001 0.20 0.36 0.61 0.80 0.95 1.25 1.57 1.89
 1070 LS 71
 1071 UD 0.19

1072 KK PE5SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE5
 1073 DR RRPE5

* remove routing for 5-year run
 * RT 6SA ROUTE PE5 SPLIT ALONG RAILROAD SIDING THRU PE6
 * 910 .007 .035 TRAP 15 3
 * ROUTING TOO SHORT - IGNORE
 * RT 6SB CONTINUE ROUTING TO CONC PT PE6
 * 400 .055 .035 TRAP 3 1

1074 KK CP PE6 COMBINE SPLIT FLOW FROM PE5 WITH BASIN PE6 HYDROGRAPH
 1075 HC 2
 *

1076 KK DET24 DETENTION STORAGE AT CONC PT PE6, INLET OF 24" CMP AT RAILROAD
 1077 RS 1 STOR 0
 1078 SA 0 1.56 1.56 1.56 1.56 1.56
 1079 SE 5222.3 5239.4 5240.5 5241.5 5242.0 5242.5

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1081	KK DV PE6	DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PE7								
1082	DT RRPE6									
1083	DI 0	49	51	63	84	119	305			
1084	DQ 0	0	1	12	33	64	102			
1085	KK RT MGA	ROUTE PE6 HYDROGRAPH TO NORTH VIRGINIA ST								
1086	RD 1600	.036	.024		CIRC	2				
1087	KK RT MGB	CONTINUE ROUTING TO CONC PT MG1								
1088	RD 2260	.026	.035		TRAP	4	3			
1089	KK MG1	MEMORIAL GARDENS BASIN 1								
1090	BA 0.18									
1091	PH	0.001	0.20	0.36	0.59	0.79	0.93	1.24	1.54	1.84
1092	LS	82								
1093	UD 0.26									
1094	KK CP MG1	COMBINE PE6 HYDROGRAPH WITH BASIN MG1								
1095	HC 2									
1096	KK RT G3D	ROUTE CONC PT MG1 TO CONC PT GV3								
1097	RD 4620	.018	.035		TRAP	6	2			
1098	KK PE7	PEAVINE EAST BASIN 7								
1099	BA 0.99									
1100	PH	0.001	0.20	0.36	0.60	0.79	0.93	1.23	1.55	1.88
1101	LS	74								
1102	UD 0.49									
1103	KK PE6SP	RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE6								
1104	DR RRPE6									
	*	0 CFS SPLITS FROM CP PE6 TO BASIN PE7 DURING A 100-YEAR STORM								
	*	ROUTING NOT NEEDED								
	*	RT 7SA	ROUTE PE6 SPLIT ALONG RAILROAD THRU PE7							
	*	500	.006	.035		TRAP	12	3		
	*	RT 7SB	CONTINUE ROUTING TO CONC PT PE7							
	*	350	.057	.035		TRAP	3	3		
1105	KK CP PE7	COMBINE SPLIT FLOW FROM PE6 WITH BASIN PE7 HYDROGRAPH								
1106	HC 2									
	*									
1107	KK DET24	DETENTION STORAGE AT CONC PT PE7, INLET OF 24" CMP AT RAILROAD								
1108	RS 1	STOR	0							
1109	SA 0	1.48	1.48	1.48	1.5	1.5	1.5			
1110	SE 17.4	30.8	31.0	31.5	32	32.5	33.5			
1111	SQ 0	41	46	74	129	214	663			
1112	KK DV PE7	DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN PH1								
1113	DT RRPE7									
1114	DI 0	41	46	74	129	214	365	663		
1115	DQ 0	0	4	31	86	170	284	426		
	*									

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1116 KK RT NV1 ROUTE PE7 HYDROGRAPH TO CONC PT NV1
 1117 RD 1760 .029 .024 CIRC 3

1118 KK NV1 NORTH VIRGINIA BASIN 1
 1119 BA 0.06
 1120 PH 0.001 0.19 0.35 0.59 0.78 0.92 1.22 1.52 1.83
 1121 LS 85
 1122 UD 0.15

1123 KK CP NV1 COMBINE PE7 & NV1 HYDROGRAPHS
 1124 HC 2

1125 KK RT TP1 ROUTE CONC PT NV1 TO CONC PT TP1
 1126 RD 2000 .016 .035 TRAP 5 3

1127 KK TP1 TRAILER PARK 1
 1128 BA 0.05
 1129 PH 0.001 0.19 0.35 0.58 0.77 0.91 1.22 1.51 1.80
 1130 LS 82
 1131 UD 0.20

1132 KK CP TP1 COMBINE CONC PT NV1 WITH TP1 HYDROGRAPH
 1133 HC 2

1134 KK RT G3E ROUTE CONC PT TP1 BEHIND NORTH HILLS SHOPPING CENTER IN CHANNEL
 1135 RD 1400 .016 .013 TRAP 10 3

1136 KK RT G3F CONTINUE ROUTING TO CONC PT GV3
 1137 RD 5350 .017 .035 TRAP 10 3

1138 KK GV3 GOLDEN VALLEY BASIN 3
 1139 BA 0.34
 1140 PH 0.001 0.19 0.35 0.59 0.78 0.93 1.24 1.53 1.83
 1141 LS 73
 1142 UD 0.55

1143 KK CP GV3 COMBINE CONC PTS HR2, HR3, MG1 & TP1 WITH GV3 HYDROGRAPH
 1144 HC 5

1145 KK PH1 PEAVINE HEIGHTS BASIN 1
 1146 BA 0.11
 1147 PH 0.001 0.19 0.34 0.57 0.76 0.90 1.20 1.50 1.80
 1148 LS 74
 1149 UD 0.35

1150 KK PE7SP RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PE7
 1151 DR RRPE7

* remove routings for 5-year run
 * RT HSA ROUTE PE7 SPLIT ALONG RAILROAD THRU PH1
 * 650 .017 .035 TRAP 16 3
 * RT HSB CONTINUE ROUTING TO CONC PT PH1
 * 570 .049 .035 TRAP 3 3

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1152	KK CP PH1	COMBINE SPLIT FLOW FROM PE7 WITH BASIN PH1 HYDROGRAPH									
1153	HC	2									
	*										
1154	KK DET24	DETENTION STORAGE AT CONC PT PH1, INLET OF 24" CMP AT RAILROAD									
1155	RS	1	STOR	0							
1156	SA	0	0.82	4.3	4.3	4.3	4.3				
1157	SE	5192.1	5200.0	5208.5	5209.5	5210	5211				
1158	SQ	0	30	43	83	131	379				
1159	KK DV PH1	DIVERT OVERFLOW AT 24" RAILROAD CULVERT TO BASIN RH1									
1160	DT	RRPH1									
1161	DI	0	38	43	55	83	131	214	379		
1162	DQ	0	0	1	12	40	87	154	240		
1163	KK RT TP2	ROUTE PH1 HYDROGRAPH TO CONC PT TP2									
1164	RD	2430	.026	.035	TRAP		3	3			
1165	KK TP2	TRAILER PARK BASIN 2									
1166	BA	0.10									
1167	PH	0.001	0.19	0.34	0.57	0.76	0.90	1.20	1.49	1.78	
1168	LS	83									
1169	UD	0.22									
1170	KK CP TP2	COMBINE PH1 HYDROGRAPH WITH CONC PT TP2									
1171	HC	2									
1172	KK RH1	RALEIGH HEIGHTS BASIN 1									
1173	BA	0.69									
1174	PH	0.001	0.18	0.33	0.55	0.73	0.87	1.16	1.45	1.73	
1175	LS	80									
1176	UD	0.35									
1177	KK PH1SP	RETRIEVE SPLIT FLOW ALONG RAILROAD SIDING FROM BASIN PH1									
1178	DR	RRPH1									
	*										
	*	0 CFS SPLITS FROM BASIN PH1 DURING A 100-YEAR EVENT									
	*	ROUTING NOT NEEDED									
	* RT RHA	ROUTE PH1 SPLIT ALONG RAILROAD SIDING TO 24" CMP AT RAILROAD									
	* 760	.011	.035	TRAP		11	3				
	* RT RHB	CONTINUE ROUTING TO CONC PT RH1									
	* 5790	.036	.035	TRAP		3	3				
1179	KK CB RH1	COMBINE SPLIT FLOWS FROM PH1 WITH RH1									
1180	HC	2									
1181	KK CP RH1	COMBINE BASIN RH1 HYDROGRAPH WITH CP TP2									
1182	HC	2									
		HEC-1 INPUT									
LINE	ID12345678910
1183	KK RT GV1	ROUTE CONC PT RH1 TO CONC PT GV1									
1184	RD	4925	.011	.035	TRAP		6	3			
	*										
	*										
1185	KK GV1	GOLDEN VALLEY BASIN 1									

1186	BA	3.13										
1187	PH		0.001	0.18	0.32	0.53	0.71	0.85	1.14	1.40	1.65	
1188	LS		74									
1189	UD	1.24										
1190	KK CP	GV1	COMBINE CONC PT RH1 WITH GV1 HYDROGRAPH									
1191	HC	2										
1192	KK RT	GV2	ROUTE CONC PT GV1 TO CONC PT GV3									
1193	RD	4335	.011	.035		TRAP	7		3			
1194	KK	GV2	GOLDEN VALLEY BASIN 2									
1195	BA	0.58										
1196	PH		0.001	0.19	0.35	0.58	0.77	0.92	1.22	1.51	1.79	
1197	LS		72									
1198	UD	0.54										
1199	KK CP	GV3	COMBINE CONC PTS GV3 & GV1 WITH GV2 HYDROGRAPH									
1200	HC	3										
1201	KK RT	LD2	ROUTE CONC PT GV3 TO CONC PT LD2									
1202	RD	3460	.009	.035		TRAP	12		3			
1203	KK	LD2	LEMMON DRIVE BASIN 2									
1204	BA	0.21										
1205	PH		0.001	0.20	0.36	0.60	0.80	0.95	1.27	1.58	1.88	
1206	LS		70									
1207	UD	0.39										
1208	KK CP	LD2	COMBINE CONC PT GV3 WITH BASIN LD2 HYDROGRAPH									
1209	HC	2										
1210	KK RT	D3A	ROUTE CONC PT LD2 DOWN LEMMON DRIVE CHANNEL TO LEMMON LAKE									
1211	RD	10030	.007	.035		TRAP	12		1			
			*									
1212	KK	BER	BERNOULLI STREET BASIN									
1213	BA	0.59										
1214	PH		0.001	0.20	0.36	0.60	0.81	0.96	1.28	1.58	1.87	
1215	LS		72									
1216	UD	0.66										
1217	KK RT	PAT	ROUTE BER HYDROGRAPH TO CONC PT PAT									
1218	RD	2840	.005	.035		TRAP	12		2			
						HEC-1 INPUT						
LINE	ID		1	2	3	4	5	6	7	8	9	10
1219	KK	PAT	PATRICIAN DRIVE BASIN									
1220	BA	1.02										
1221	PH		0.001	0.19	0.34	0.57	0.77	0.92	1.23	1.50	1.77	
1222	LS		71									
1223	UD	0.98										
1224	KK CP	PAT	COMBINE BER WITH BASIN PAT HYDROGRAPH									
1225	HC	2										
1226	KK CP	LEM	COMBINE FLOWS FROM BER, PAT & CP LD2									
1227	HC	2										

1228	KK	CB LLK	COMBINE FLOWS AT LEMMON LAKE - NOT THE TOTAL FLOW @ LEMMON LAKE								
1229	HC	2									
	*										
1230	KK	LV5	LEMMON VALLEY BASIN 5								
1231	BA	2.56									
1232	PH		0.001	0.17	0.32	0.53	0.70	0.84	1.12	1.36	1.60
1233	LS		69								
1234	UD	1.53									
1235	KK	RT LV3	ROUTE LV5 HYDROGRAPH TO CONC PT LV3								
1236	RD	5910	.013	.040		TRAP	10	50			
1237	KK	LV3	LEMMON VALLEY BASIN 3								
1238	BA	2.50									
1239	PH		0.001	0.19	0.35	0.58	0.77	0.92	1.24	1.50	1.77
1240	LS		73								
1241	UD	0.96									
1242	KK	CP LV3	COMBINE LV5 & LV3 HYDROGRAPHS AT CONC PT LV3								
1243	HC	2									
1244	KK	LV4	LEMMON VALLEY BASIN 4								
1245	BA	5.22									
1246	PH		0.001	0.17	0.31	0.52	0.69	0.83	1.11	1.34	1.57
1247	LS		73								
1248	UD	1.41									
1249	KK	RT LV2	ROUTE LV4 HYDROGRAPH TO CONC PT LV2								
1250	RD	8360	.006	.040		TRAP	10	50			
1251	KK	LV2	LEMMON VALLEY BASIN 2								
1252	BA	7.02									
1253	PH		0.001	0.20	0.37	0.62	0.83	0.99	1.33	1.62	1.91
1254	LS		70								
1255	UD	1.63									

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

1256	KK	CP LV2	COMBINE LV4 & LV2 HYDROGRAPHS AT CONC PT LV2								
1257	HC	2									
1258	KK	LV1	LEMMON VALLEY BASIN 1								
1259	BA	0.85									
1260	PH		0.001	0.22	0.40	0.67	0.90	1.06	1.42	1.76	2.10
1261	LS		73								
1262	UD	0.46									
1263	KK	RT LLK	ROUTE LV1 HYDROGRAPH TO LEMMON LAKE								
1264	RD	1400	.018	.035		TRAP	3	2			
1265	KK	LLK	LEMMON LAKE BASIN								
1266	BA	3.34									
1267	PH		0.001	0.22	0.39	0.65	0.87	1.03	1.38	1.70	2.02
1268	LS		85								
1269	UD	0.33									

1270 KK CP LLK TOTAL FLOW @ LEMMON LAKE
 1271 HC 5

*
 * LEMMON LAKE PLAYA STAGE-STORAGE INFORMATION IS FROM NIMBUS ENGINEERS
 * FEMA FIS, HYDROLOGIC ANALYSIS OF SILVER LAKE AND LEMMON VALLEY PLAYAS,
 * DATED REVISED DECEMBER 1987.
 *

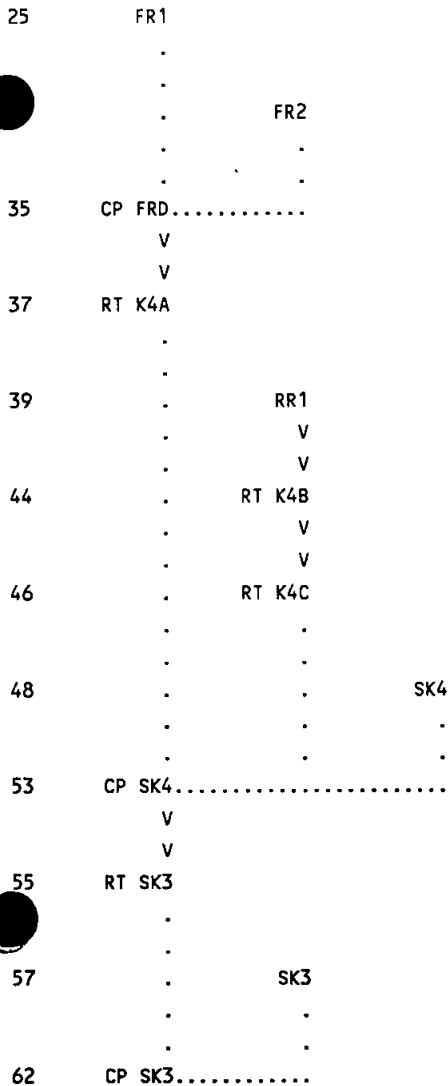
1272 KK LLWSE LEMMON LAKE 5-YEAR, 24-HOUR EVENT WSEL
 * INITIAL LAKE STORAGE = 5-YEAR, 24-HOUR EVENT WSEL from the Nimbus Report
 1273 RS 1 STOR 2108
 1274 SA 0 1 3.2 21.6 194.2 486.7 686.4 794.8 872.8 940.3
 1275 SA 1000.5 1075.1 1215 1365 1480 1644 3650
 1276 SQ 0 0 0 0 0 0 0 0 0 0
 1277 SQ 0 0 0 0 0 0 0 0 0 0
 1278 SE 4905 4906 4907 4908 4909 4910 4911 4912 4913 4914
 1279 SE 4915 4916 4917 4918 4919 4920 4940
 *
 1280 ZZ

1
 SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT
 LINE

(V) ROUTING (---◄) DIVERSION OR PUMP FLOW

NO. (.) CONNECTOR (==---) RETURN OF DIVERTED OR PUMPED FLOW



	V			
	V			
64	RT K2A			
	.			
66	.	SK2		
	.			
71	CP SK2.....			
	.			
73	.	SK1		
	.			
78	CB SLK.....			
	.			
80	.	PW6		
	.			
88	.	-----c 60PW6		
85	DV PW6			
	.			
91	.	PW5		
	.			
98	.	-----c RR&NV		
86	DV PW5			
	.			
101	.		RR1	
	.			
106	CP RRI.....			
	.			
110	.	-----c 24RRI		
108	DV RRI			
	.			
113	.	SS2		
	.			
119	.		----- 60PW6	
118	.	60RCP		
	.	V		
	.	V		
120	RT SS2			
	.			
123	.		----- 24RRI	
122	.		24CMP	
	.			
	CP SS2.....			
	V			
	V			
126	RT R3D			
	.			

128

CB MOY.....

PW1

137

-----c 48PW1

135

DV PW1

142

-----c 24PW2

140

DV PW2

145

PW2

150

CP PW2.....

154

-----c 42PW2

152

DV PW2

157

PW3

162

CP PW3.....

166

-----c 48PW3

164

DV PW3

169

PW4

175

----- RR&NV

174

RRINT

178

-----c 42PW4

176

DV PW4

181

CP PW4.....

183

DET48

189

RT R4E

191

-----c 48PW1
48RCP

193

RT R4A

196

24RCP ----- 24PW2

198

42RCP ----- 42PW2

197

42RCP

V

V

199

RT R4C

202

48RCP ----- 48PW3

201

48RCP

V

V

203

RT R4D

205

GR4

210

CP GR4

V

V

212

RT R3A

214

42RCP ----- 42PW4

42RCP

V

V

216

RT R3B

218

GR3

223

CP GR3

225

CP CHN

V

V

227

RT SLB

229

GR2

V

V

234

RT SLA

241

CB SLK

GR1

243	.	PA1	
	.	V	
	.	V	
	.	RT SS1	
	.	.	
	.	.	
250	.	.	SS1A
	.	.	
	.	.	
255	.	.	SS1B
	.	.	V
	.	.	V
260	.	.	DT SS1
	.	.	.
	.	.	.
265	.	CP SS1.....	
	.	V	
	.	V	
267	.	RT SS3	
	.	.	
	.	.	
269	.	.	SS3
	.	.	.
	.	.	.
274	.	CB SLK.....	
	.	.	
	.	.	
276	.	SL2	
	.	V	
	.	V	
281	.	RT L3A	
	.	.	
	.	.	
283	.	.	SL3A
	.	.	.
	.	.	.
288	.	C SL3A.....	
	.	V	
	.	V	
290	.	DT L3A	
	.	V	
	.	V	
296	.	RT L3B	
	.	.	
	.	.	
298	.	.	SL3B
	.	.	.
	.	.	.
303	.	CB SL3.....	
	.	V	
	.	V	
305	.	RT GC3	
	.	.	
	.	.	
	.	.	GC3
	.	.	.
	.	.	.
312	.	CB GC3.....	
	.	.	
	.	.	

314 CB SLK.....

PA2

V

V

321 RT SL1

323 SL1

328 CP SL1.....

V

V

330 RT C2A

V

V

332 RT C2B

334 GC2

339 CB GC2.....

341 PA3

V

V

346 RT LEA

349 -----e 30SLE

348 DV SLE

V

V

352 RT LEC

V

V

354 RT C1A

356 GC1

361 CB GC1.....

363 PW7

369 -----e RRPW7

368 DV PW7

V

V

372 RT PA4

374 PA4

379
382
381
385
387
392
395
394
398
400
405
407
412
414
416
418
424
423
425
428
431

CP PA4.....

-----c 24PA4

DV PA4

V

V

RT PA6

PA6

CP PA6.....

-----c 36PA6

DV PA6

V

V

RT A7B

PA5

V

V

RT A7A

PA7

CP PA7.....

V

V

RT SDA

V

V

RT SDB

AW1

----- RRPW7
PW7SP

CP AW1.....

-----c RRAW1

DV AW1

V

V

RT AWC

V

V

433 RT AWD

AW2

442 =----- RRAW1
441 AW1SP

443 CP AW2.....

V

V

445 DET36

V

V

450 RT AWE

455 -----c 36AW3

452 DV A36

459 =----- 24PA4

458 2-24

461 -----c 18AW3

460 DV 18

464 AW3

469 CP AW3.....

472 -----c 30AW3

471 DV A30

476 =----- 36PA6

475 36RCP

478 =----- 18AW3

477 18CMP

479 SRS

484 CP SRS.....

V

V

486 RT SDC

489 =----- 30AW3

488 30CMP

491

492

494

496

500

498

503

508

511

510

514

519

518

520

522

527

530

529

533

536

538

540

```

      =----- 36AW3
      36CMP
      V
      V
      RT AWG
  
```

```

CP CHL.....
  V
  V
RT I1A
  
```

```

      =-----c 36S11
DV S11
  
```

```

      S11
      .
      .
CP S11.....
  
```

```

      =-----c STDBL1
DV STD
  
```

```

      =-----c 24S11
O-CFS
  
```

```

      =----- 36S11
      36CMP
      V
      V
      RT S12
  
```

```

      S12
      .
      .
CP S12.....
  
```

```

      =-----c 36S12
DV S12
  V
  V
RT T1A
  V
  V
RT SDD
  
```

CB RSD.....

RSD

546	.	.	.	.	.	PA3SP	=-----	30SLE
			
547	.	.	.	.	.			SLE
			
552	.	.	.	.	.	CP SLE	.....
			
556	.	.	.	.	.		-----c	STSLE
554	.	.	.	.	.	DV SLE		
			
559	.	.	.	.	.	CP RSD	.....
			
563	.	.	.	.	.		-----c	RRRSD
561	.	.	.	.	.	DV RSD		
	.	.	.	.	.	V		
	.	.	.	.	.	V		
566	.	.	.	.	.	RT C1C		
			
569	.	.	.	.	.		=-----	STSLE
568	.	.	.	.	.	RC SLE		
			
570	.	.	.	.	.	CP GC1	.....
	.	.	.	.	.	V		
	.	.	.	.	.	V		
572	.	.	.	.	.	RT C2C		
	.	.	.	.	.	V		
	.	.	.	.	.	V		
574	.	.	.	.	.	RT C2D		
			
576	.	.	.	.	.	CP GC2	.....
			
578	.	.	.	.	.	UPR		
			
583	.	.	.	.	.	CB SLK	.....
			
585	.	.	.	.	.	LEA		
			
592	.	.	.	.	.		-----c	30JCP
590	.	.	.	.	.	DV JCP		
			
	.	.	.	.	.		-----c	24LEA
595	.	.	.	.	.	DV LEA		
			
601	.	.	.	.	.		=-----	24SI1

600

24CMP

----- 36S12
= 36RCP

604

CB STM.....

607

-----c 24ST1

606

DV ST1

V

V

610

RT T1D

613

612

----- STDBL1
= RC STD

615

614

----- RRRSD
= RC RSD

V

V

616

RT T1F

ST1

623

CP ST1.....

V

V

625

RT T2A

V

V

627

RT T2C

629

ST2

635

634

-----c 18HZL
DV HZL

639

638

----- 30JCP
= RC JCP

V

V

640

RT T2E

CP ST2.....

645

644

-----c 54ST2

DV ST2

648

CP LEA.....
V
V
RRDON

659

-----c RRBOX

658

DV BOX

662

ST3

667

RT MO3

669

RT MO4

671

MOY

676

CP MOY.....

678

DETMO

685

SLK

690

CP SLK.....

692

SLWSE

700

PE1A

705

SRT9C

711

RT SBG

713

PE1B

718

SRT9B

725

-----c PE1-RR

724

DV PE1

728

RT SBA

CB PE1.....

V

V

732

RT SBB

734

PE2

740

PE1-RR

739

RC DIV

741

CP PE2.....

744

RRPE2

743

DV PE2

V

V

747

RT SBC

V

V

749

RT SBD

757

RRPE2

756

PE2SP

758

CP PE3.....

761

RRPE3

760

DV PE3

V

V

764

RT SBE

V

V

766

RT SBF

768

ESB

773

CP ESB.....

V

V

ESB-DT

781

WR-ESB

780

DV ESB

	.	V	
	.	V	
784	.	RT SE1	
	.	.	
786	.	.	SE1
	.	.	.
	.	.	.
791	.	CP SE1.....	
	.	V	
	.	V	
793	.	RT SV6	
	.	.	
	.	.	
795	.	.	SV6
	.	.	.
	.	.	.
800	.	.	SV7
	.	.	.
	.	.	.
805	.	CP SV7.....	
	.	V	
	.	V	
807	.	SRT679	
	.	V	
	.	V	
814	.	RT V4A	
	.	V	
	.	V	
	.	RT V4B	
	.	.	
	.	.	
820	.	.	SV4
	.	.	.
	.	.	.
825	.	CP SV4.....	
	.	V	
	.	V	
827	.	RT MIL	
	.	.	
	.	.	
831	.	.	----- 24ST1
830	.	RC ST1	
	.	.	
	.	.	
832	.	.	SE2
	.	.	.
	.	.	.
837	.	CP SE2.....	
	.	V	
	.	V	
839	.	RT SV3	
	.	.	
	.	.	
	.	.	SE3
	.	.	V
	.	.	V
847	.	.	RT SV3
	.	.	.
	.	.	.

906
907
909
911
913
915
920
922
928
927
930
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931
933
935
940
943
942
947
946
950
954

----- 54ST2
= RC ST2

CB SD1.....
V
V
RT T2D

CB SD2.....
V
V
RT A1C

MA1

CP MA1.....

PE4

----- RRPE3
= PE3SP

----- WR-ESB
= ESB SP

CP PE4.....
V
V
RT ML1

ML1

CP ML1.....

----- MIL-WR
DV WER

----- BOXML1
DV ML1

----- 24ML1
DV MIL

V
V
RT ML3

956

ML3

961

CP ML3.....

964

963

RC L1A =----- MIL-WR

966

965

RC L1B =----- BOXML1

968

967

RC L1C =----- 24ML1

969

CB DIV.....

972

971

DV ML2 =----- ML2-WR

975

RT L2A

977

CB BOX.....

979

RT GP1

981

ML2

987

986

RC ML2 =----- ML2-WR

988

CP ML2.....

990

MA2

995

RT GP2

997

RT GP3

999

SGP

1004

CP SGP.....

1006	.	.	.	.	LD1
	.	.	.	.	V
	.	.	.	.	V
	.	.	.	.	RT D3B

1013	.	.	.	.	LD3

1018	.	.	.	.	CB LD3.....

1020	.	.	.	.	CB LLK.....

1022	.	.	.	.	PE5
	.	.	.	.	V
	.	.	.	.	V
1027	.	.	.	.	DET33

1033	.	.	.	.	-----c RRPE5
1032	.	.	.	.	DV PE5
	.	.	.	.	V
	.	.	.	.	V
1036	.	.	.	.	RT HR1

	.	.	.	.	HR1

1043	.	.	.	.	CP HR1.....
	.	.	.	.	V
	.	.	.	.	V
1045	.	.	.	.	RT H2A
	.	.	.	.	V
	.	.	.	.	V
1047	.	.	.	.	RT H2B

1049	.	.	.	.	HR2

1054	.	.	.	.	CP HR2.....
	.	.	.	.	V
	.	.	.	.	V
1056	.	.	.	.	RT G3A
	.	.	.	.	V
	.	.	.	.	V
1058	.	.	.	.	RT G3B

1060	.	.	.	.	HR3
	.	.	.	.	V
	.	.	.	.	V
1065	.	.	.	.	RT G3C

1067	.	.	.	.	PE6

1073

PE5SP ----- RRPE5

1074

CP PE6.....

V

V

1076

DET24

1082

-----c RRPE6

1081

DV PE6

V

V

1085

RT MGA

V

V

1087

RT MGB

1089

MG1

1094

CP MG1.....

V

V

1096

RT G3D

1098

PE7

1104

-----c RRPE6

1103

PE6SP

1105

CP PE7.....

V

V

1107

DET24

1113

-----c RRPE7

1112

DV PE7

V

V

1116

RT NV1

1118

NV1

1125

CP NV1.....

V

V

RT TP1

1127	.	.	.	.	.	.	TP1

	.	.	.	.	.	CP TP1.....	.
	.	.	.	.	.	V	.
	.	.	.	.	.	V	.
1134	.	.	.	.	.	RT G3E	.
	.	.	.	.	.	V	.
	.	.	.	.	.	V	.
1136	.	.	.	.	.	RT G3F	.

1138	.	.	.	.	.	.	GV3

1143	.	.	CP GV3.....	.	.	.	.

1145	.	.	PH1	.	.	.	.

1151	.	.	.	.	.	----- RRPE7	.
1150	.	.	.	.	PE7SP	.	.

1152	.	.	CP PH1.....	.	.	.	.
	.	.	V	.	.	.	.
	.	.	V	.	.	.	.
1154	.	.	DET24	.	.	.	.

1160	.	.	.	.	----- RRPH1	.	.
1159	.	.	DV PH1	.	.	.	.
	.	.	V	.	.	.	.
	.	.	V	.	.	.	.
1163	.	.	RT TP2	.	.	.	.

1165	.	.	.	.	TP2	.	.

1170	.	.	CP TP2.....	.	.	.	.

1172	.	.	.	.	RH1	.	.

1178	.	.	.	.	.	----- RRPH1	.
1177	.	.	.	.	PH1SP	.	.

1179	.	.	CB RH1.....	.	.	.	.

	.	.	CP RH1.....	.	.	.	.
	.	.	V	.	.	.	.
	.	.	V	.	.	.	.
1183	.	.	RT GV1	.	.	.	.

1185	.	.	.	.	GV1

	.	.	.	CP GV1.....	.
	.	.	.	V	.
	.	.	.	V	.
1192	.	.	.	RT GV2	.

1194	.	.	.	.	GV2

1199	.	.	.	CP GV3.....	.
	.	.	.	V	.
	.	.	.	V	.
1201	.	.	.	RT LD2	.

1203	.	.	.	LD2	.

1208	.	.	.	CP LD2.....	.
	.	.	.	V	.
	.	.	.	V	.
1210	.	.	.	RT D3A	.

1212	.	.	.	BER	.
	.	.	.	V	.
	.	.	.	V	.
1217	.	.	.	RT PAT	.

1219	.	.	.	.	PAT

1224	.	.	.	CP PAT.....	.

1226	.	.	.	CP LEM.....	.

1228	.	.	.	CB LLK.....	.

1230	.	.	.	LV5	.
	.	.	.	V	.
	.	.	.	V	.
1235	.	.	.	RT LV3	.

1237	.	.	.	LV3	.

	.	.	.	CP LV3.....	.

1244	.	.	.	LV4	.
	.	.	.	V	.
	.	.	.	V	.


```

1249 . . . . . RT LV2
. . . . .
. . . . .
. . . . . LV2
. . . . .
. . . . .
1256 . . . . . CP LV2.....
. . . . .
. . . . .
. . . . .
1258 . . . . . LV1
. . . . . V
. . . . . V
1263 . . . . . RT LLK
. . . . .
. . . . .
. . . . .
1265 . . . . . LLK
. . . . .
. . . . .
. . . . .
1270 . . . . . CP LLK.....
. . . . . V
. . . . . V
1272 . . . . . LLWSE

```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

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*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* MAY 1991 *
* VERSION 4.0.1E *
* Lahey F77L-EM/32 version 5.01 *
* Dodson & Associates, Inc. *
* RUN DATE 01/19/00 TIME 09:17:02 *
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET *
* DAVIS, CALIFORNIA 95616 *
* (916) 551-1748 *
*
*****

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CITY OF RENO / STEAD DRAINAGE MASTER PLAN HEC-1 MODEL
PREPARED FOR CITY OF RENO, WASHOE COUNTY, NEVADA

5-YEAR, 24-HOUR EVENT EXISTING CONDITIONS HYDROLOGIC MODEL
PREPARED BY STANTEC CONSULTING, SPARKS, NEVADA
JOB # :26000208
FILE NAME: EX_5.DAT
DATE: JULY 1999

COPIED AND MODIFIED FROM EX_100.DAT - STEAD MASTER 100-YEAR, 24-HOUR HEC-1
MODEL. MODIFICATIONS INCLUDE:

1. REVISED PH CARDS FROM 100-YEAR TO 5-YEAR RAINFALL DEPTHS
2. REMOVED ROUTING CARDS FOR 0 CFS FLOWS (HEC-1 UNABLE TO ROUTE)

BALANCED STORM DISTRIBUTION (PH CARDS)
RAINFALL DEPTH FROM SSPFS, 1997
SCS CURVE NUMBER METHOD
MUSKINGUM CUNGE ROUTING

23 IO

OUTPUT CONTROL VARIABLES

IPRNT 5 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0 HYDROGRAPH PLOT SCALE

IT

HYDROGRAPH TIME DATA

NMIN 5 MINUTES IN COMPUTATION INTERVAL
 IDATE 1 0 STARTING DATE
 ITIME 0000 STARTING TIME
 NQ 1200 NUMBER OF HYDROGRAPH ORDINATES
 NDDATE 5 0 ENDING DATE
 NDTIME 0355 ENDING TIME
 ICENT 19 CENTURY MARK

COMPUTATION INTERVAL 0.08 HOURS
 TOTAL TIME BASE 99.92 HOURS

ENGLISH UNITS

DRAINAGE AREA SQUARE MILES
 PRECIPITATION DEPTH INCHES
 LENGTH, ELEVATION FEET
 FLOW CUBIC FEET PER SECOND
 STORAGE VOLUME ACRE-FEET
 SURFACE AREA ACRES
 TEMPERATURE DEGREES FAHRENHEIT

JP

MULTI-PLAN OPTION

NPLAN 1 NUMBER OF PLANS

OR

MULTI-RATIO OPTION

RATIOS OF PRECIPITATION
 1.00 0.99 0.98 0.97 0.96 0.95

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
 TIME TO PEAK IN HOURS

OPERATION	STATION	AREA	PLAN		RATIOS APPLIED TO PRECIPITATION					
					RATIO 1	RATIO 2	RATIO 3	RATIO 4	RATIO 5	RATIO 6
					1.00	0.99	0.98	0.97	0.96	0.95
HYDROGRAPH AT										
+	FR1	13.01	1	FLOW	764.	744.	725.	705.	686.	667.
				TIME	15.00	15.00	15.00	15.00	15.00	15.00
HYDROGRAPH AT										
+	FR2	6.84	1	FLOW	338.	328.	318.	308.	299.	289.
				TIME	14.33	14.33	14.33	14.33	14.33	14.33
2 COMBINED AT										
+	CP FRD	19.85	1	FLOW	1076.	1047.	1018.	989.	961.	933.
				TIME	14.67	14.67	14.67	14.75	14.75	14.75
ROUTED TO										
+	RT K4A	19.85	1	FLOW	1076.	1046.	1018.	989.	961.	933.
				TIME	15.33	15.42	15.42	15.42	15.42	15.42

HYDROGRAPH AT

+	RR1	4.23	1	FLOW TIME	439. 14.00	429. 14.00	420. 14.00	410. 14.00	400. 14.00	391. 14.00	
	ROUTED TO										
+	RT K4B	4.23	1	FLOW TIME	439. 14.08	429. 14.08	419. 14.08	410. 14.08	400. 14.08	391. 14.08	
	ROUTED TO										
+	RT K4C	4.23	1	FLOW TIME	439. 14.17	429. 14.17	419. 14.17	410. 14.17	400. 14.17	391. 14.17	
	HYDROGRAPH AT										
+	SK4	6.25	1	FLOW TIME	396. 13.83	385. 13.83	374. 13.83	362. 13.83	351. 13.83	340. 13.83	
	3 COMBINED AT										
+	CP SK4	30.33	1	FLOW TIME	1694. 15.00	1649. 15.00	1604. 15.00	1560. 15.08	1516. 15.08	1473. 15.08	
	ROUTED TO										
+	RT SK3	30.33	1	FLOW TIME	1691. 15.50	1646. 15.58	1602. 15.58	1558. 15.58	1514. 15.58	1471. 15.67	
	HYDROGRAPH AT										
+	SK3	7.81	1	FLOW TIME	756. 13.92	739. 13.92	722. 13.92	706. 13.92	689. 13.92	672. 13.92	
	2 COMBINED AT										
+	CP SK3	38.14	1	FLOW TIME	2196. 15.33	2139. 15.33	2082. 15.33	2026. 15.33	1970. 15.33	1915. 15.33	
	ROUTED TO										
+	RT K2A	38.14	1	FLOW TIME	2191. 15.58	2134. 15.58	2077. 15.58	2021. 15.58	1965. 15.67	1911. 15.67	
	HYDROGRAPH AT										
+	SK2	2.40	1	FLOW TIME	225. 13.67	220. 13.67	214. 13.67	209. 13.67	203. 13.67	198. 13.67	
	2 COMBINED AT										
+	CP SK2	40.54	1	FLOW TIME	2313. 15.50	2253. 15.50	2193. 15.58	2134. 15.58	2076. 15.58	2017. 15.58	
	HYDROGRAPH AT										
+	SK1	1.60	1	FLOW TIME	141. 13.08	137. 13.08	133. 13.08	129. 13.08	125. 13.08	121. 13.08	
	2 COMBINED AT										
+	CB SLK	42.14	1	FLOW TIME	2372. 15.50	2310. 15.50	2249. 15.50	2188. 15.58	2128. 15.58	2069. 15.58	
	HYDROGRAPH AT										
+	PW6	1.21	1	FLOW TIME	35. 13.75	34. 13.75	32. 13.75	31. 13.75	29. 13.83	28. 13.83	
	DIVERSION TO										
+	60PW6	1.21	1	FLOW TIME	35. 13.75	34. 13.75	32. 13.75	31. 13.75	29. 13.83	28. 13.83	
	HYDROGRAPH AT										

+	DV PW6	1.21	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										
+	PW5	0.90	1	FLOW TIME	28. 13.92	27. 13.92	26. 13.92	25. 13.92	24. 14.00	23. 14.00	
	DIVERSION TO										
+	RR&NV	0.90	1	FLOW TIME	8. 13.92	7. 13.92	7. 13.92	6. 13.92	5. 14.00	5. 14.00	
	HYDROGRAPH AT										
+	DV PW5	0.90	1	FLOW TIME	20. 13.92	20. 13.92	19. 13.92	19. 13.92	18. 14.00	18. 14.00	
	HYDROGRAPH AT										
+	RRI	0.02	1	FLOW TIME	3. 12.25	3. 12.25	3. 12.25	3. 12.25	3. 12.25	3. 12.25	
	3 COMBINED AT										
+	CP RRI	2.13	1	FLOW TIME	21. 13.83	20. 13.92	20. 13.92	19. 13.92	19. 13.92	19. 14.00	
	DIVERSION TO										
+	24RRI	2.13	1	FLOW TIME	21. 13.83	20. 13.92	20. 13.92	19. 13.92	19. 13.92	19. 14.00	
	HYDROGRAPH AT										
+	DV RRI	2.13	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										
+	SS2	0.10	1	FLOW TIME	11. 12.42	11. 12.42	10. 12.42	10. 12.42	9. 12.42	9. 12.42	
	HYDROGRAPH AT										
+	60RCP	0.00	1	FLOW TIME	35. 13.75	34. 13.75	32. 13.75	31. 13.75	29. 13.83	28. 13.83	
	ROUTED TO										
+	RT SS2	0.00	1	FLOW TIME	35. 13.83	34. 13.83	32. 13.83	31. 13.83	29. 13.92	28. 13.92	
	HYDROGRAPH AT										
+	24CMP	0.00	1	FLOW TIME	21. 13.83	20. 13.92	20. 13.92	19. 13.92	19. 13.92	19. 14.00	
	3 COMBINED AT										
+	CP SS2	0.10	1	FLOW TIME	60. 13.83	58. 13.83	56. 13.83	54. 13.83	52. 13.83	50. 13.92	
	ROUTED TO										
+	RT R3D	0.10	1	FLOW TIME	60. 13.83	58. 13.83	56. 13.83	54. 13.92	52. 13.92	50. 13.92	
	3 COMBINED AT										
+	CB MOY	2.23	1	FLOW TIME	60. 13.83	58. 13.83	56. 13.83	54. 13.92	52. 13.92	50. 13.92	
	HYDROGRAPH AT										

+ PW1 0.42 1 FLOW 32. 31. 30. 29. 27. 26.
TIME 12.75 12.75 12.75 12.75 12.75 12.75

DIVERSION TO

+ 48PW1 0.42 1 FLOW 32. 31. 30. 29. 27. 26.
TIME 12.75 12.75 12.75 12.75 12.75 12.75

HYDROGRAPH AT

+ DV PW1 0.42 1 FLOW 0. 0. 0. 0. 0. 0.
TIME 0.08 0.08 0.08 0.08 0.08 0.08

DIVERSION TO

+ 24PW2 0.42 1 FLOW 0. 0. 0. 0. 0. 0.
TIME 0.08 0.08 0.08 0.08 0.08 0.08

HYDROGRAPH AT

+ DV PW2 0.42 1 FLOW 0. 0. 0. 0. 0. 0.
TIME 0.08 0.08 0.08 0.08 0.08 0.08

HYDROGRAPH AT

+ PW2 0.23 1 FLOW 17. 16. 16. 15. 14. 14.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

2 COMBINED AT

+ CP PW2 0.65 1 FLOW 17. 16. 16. 15. 14. 14.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

DIVERSION TO

+ 42PW2 0.65 1 FLOW 17. 16. 16. 15. 14. 14.
TIME 12.67 12.67 12.67 12.67 12.67 12.67

HYDROGRAPH AT

+ DV PW2 0.65 1 FLOW 0. 0. 0. 0. 0. 0.
TIME 0.08 0.08 0.08 0.08 0.08 0.08

HYDROGRAPH AT

+ PW3 1.02 1 FLOW 61. 58. 56. 54. 52. 50.
TIME 13.25 13.25 13.25 13.25 13.33 13.33

2 COMBINED AT

+ CP PW3 1.67 1 FLOW 61. 58. 56. 54. 52. 50.
TIME 13.25 13.25 13.25 13.25 13.33 13.33

DIVERSION TO

+ 48PW3 1.67 1 FLOW 61. 58. 56. 54. 52. 50.
TIME 13.25 13.25 13.25 13.25 13.33 13.33

HYDROGRAPH AT

+ DV PW3 1.67 1 FLOW 0. 0. 0. 0. 0. 0.
TIME 0.08 0.08 0.08 0.08 0.08 0.08

HYDROGRAPH AT

+ PW4 1.55 1 FLOW 53. 50. 48. 46. 44. 42.
TIME 13.33 13.33 13.33 13.42 13.42 13.42

HYDROGRAPH AT

+ RRINT 0.00 1 FLOW 8. 7. 7. 6. 5. 5.
TIME 13.92 13.92 13.92 13.92 14.00 14.00

DIVERSION TO

+	42PW4	0.00	1	FLOW	8.	7.	7.	6.	5.	5.
				TIME	13.92	13.92	13.92	13.92	14.00	14.00

HYDROGRAPH AT

+	DV PW4	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

3 COMBINED AT

+	CP PW4	3.22	1	FLOW	53.	50.	48.	46.	44.	42.
				TIME	13.33	13.33	13.33	13.42	13.42	13.42

ROUTED TO

+	DET48	3.22	1	FLOW	53.	50.	48.	46.	44.	42.
				TIME	13.33	13.42	13.33	13.42	13.42	13.42

** PEAK STAGES IN FEET **

1	STAGE	70.10	70.01	69.88	69.75	69.61	69.48
	TIME	13.33	13.42	13.33	13.42	13.42	13.42

ROUTED TO

+	RT R4E	3.22	1	FLOW	53.	50.	48.	46.	44.	42.
				TIME	13.42	13.42	13.42	13.42	13.42	13.42

HYDROGRAPH AT

+	48RCP	0.00	1	FLOW	32.	31.	30.	29.	27.	26.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75

ROUTED TO

+	RT R4A	0.00	1	FLOW	32.	31.	30.	28.	27.	26.
				TIME	12.92	12.92	12.92	13.00	13.00	13.00

HYDROGRAPH AT

+	24RCP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	42RCP	0.00	1	FLOW	17.	16.	16.	15.	14.	14.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

ROUTED TO

+	RT R4C	0.00	1	FLOW	17.	16.	15.	15.	14.	14.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75

HYDROGRAPH AT

+	48RCP	0.00	1	FLOW	61.	58.	56.	54.	52.	50.
				TIME	13.25	13.25	13.25	13.25	13.33	13.33

ROUTED TO

+	RT R4D	0.00	1	FLOW	60.	58.	56.	54.	52.	50.
				TIME	13.25	13.33	13.33	13.33	13.33	13.33

HYDROGRAPH AT

+	GR4	0.39	1	FLOW	55.	53.	51.	50.	48.	46.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

3 COMBINED AT

+	CP GR4	3.61	1	FLOW	178.	171.	165.	158.	152.	146.
				TIME	13.08	13.08	13.17	13.17	13.17	13.17

ROUTED TO

+	RT R3A	3.61	1	FLOW TIME	178. 13.17	171. 13.17	165. 13.17	158. 13.25	152. 13.25	146. 13.25
HYDROGRAPH AT										
+	42RCP	0.00	1	FLOW TIME	8. 13.92	7. 13.92	7. 13.92	6. 13.92	5. 14.00	5. 14.00
ROUTED TO										
+	RT R3B	0.00	1	FLOW TIME	8. 14.00	7. 14.08	7. 14.08	6. 14.08	5. 14.17	5. 14.17
HYDROGRAPH AT										
+	GR3	0.11	1	FLOW TIME	6. 12.50	6. 12.50	6. 12.50	5. 12.50	5. 12.50	5. 12.50
3 COMBINED AT										
+	CP GR3	3.72	1	FLOW TIME	182. 13.33	175. 13.17	168. 13.17	162. 13.17	155. 13.25	149. 13.25
2 COMBINED AT										
+	CP CHN	5.95	1	FLOW TIME	235. 13.42	226. 13.42	218. 13.42	208. 13.50	200. 13.50	191. 13.42
ROUTED TO										
+	RT SLB	5.95	1	FLOW TIME	236. 13.50	226. 13.58	217. 13.58	208. 13.58	199. 13.58	191. 13.50
HYDROGRAPH AT										
+	GR2	0.10	1	FLOW TIME	16. 12.42	16. 12.42	15. 12.50	15. 12.50	14. 12.50	14. 12.50
ROUTED TO										
+	RT SLA	0.10	1	FLOW TIME	16. 12.58	16. 12.58	15. 12.58	15. 12.58	14. 12.58	14. 12.58
HYDROGRAPH AT										
+	GR1	0.58	1	FLOW TIME	92. 12.42	89. 12.42	86. 12.42	84. 12.42	81. 12.42	79. 12.42
4 COMBINED AT										
+	CB SLK	48.77	1	FLOW TIME	2555. 15.42	2487. 15.50	2421. 15.50	2355. 15.50	2290. 15.50	2225. 15.50
HYDROGRAPH AT										
+	PA1	0.41	1	FLOW TIME	20. 12.58	19. 12.58	18. 12.58	17. 12.58	16. 12.58	15. 12.58
ROUTED TO										
+	RT SS1	0.41	1	FLOW TIME	19. 12.58	18. 12.67	17. 12.67	16. 12.67	16. 12.67	15. 12.67
HYDROGRAPH AT										
+	SS1A	0.02	1	FLOW TIME	3. 12.25	2. 12.25	2. 12.25	2. 12.25	2. 12.33	2. 12.33
HYDROGRAPH AT										
+	SS1B	0.01	1	FLOW TIME	7. 12.08	7. 12.08	7. 12.08	7. 12.08	6. 12.08	6. 12.08
ROUTED TO										

+	DT SS1	0.01	1	FLOW	4.	3.	3.	3.	3.	3.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

** PEAK STAGES IN FEET **

1	STAGE	19.68	19.65	19.61	19.58	19.55	19.51
	TIME	12.25	12.25	12.25	12.25	12.25	12.25

3 COMBINED AT

+	CP SS1	0.44	1	FLOW	23.	22.	21.	20.	19.	18.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

ROUTED TO

+	RT SS3	0.44	1	FLOW	23.	22.	21.	20.	19.	18.
				TIME	12.67	12.75	12.75	12.75	12.75	12.75

HYDROGRAPH AT

+	SS3	0.36	1	FLOW	140.	138.	135.	133.	131.	129.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

3 COMBINED AT

+	CB SLK	49.57	1	FLOW	2582.	2514.	2447.	2380.	2315.	2249.
				TIME	15.42	15.42	15.50	15.50	15.50	15.50

HYDROGRAPH AT

+	SL2	0.04	1	FLOW	13.	12.	12.	12.	12.	11.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO

+	RT L3A	0.04	1	FLOW	13.	12.	12.	12.	12.	11.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

HYDROGRAPH AT

+	SL3A	0.08	1	FLOW	25.	24.	24.	23.	23.	22.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

2 COMBINED AT

+	C SL3A	0.12	1	FLOW	36.	35.	34.	34.	33.	32.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO

+	DT L3A	0.12	1	FLOW	25.	25.	24.	24.	24.	23.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

** PEAK STAGES IN FEET **

1	STAGE	7.25	7.19	7.12	7.05	6.99	6.92
	TIME	12.58	12.58	12.58	12.58	12.58	12.58

ROUTED TO

+	RT L3B	0.12	1	FLOW	25.	25.	24.	24.	23.	23.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

HYDROGRAPH AT

+	SL3B	0.05	1	FLOW	21.	21.	21.	20.	20.	19.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

COMBINED AT

+	CB SL3	0.17	1	FLOW	40.	39.	38.	38.	37.	36.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO

+	RT GC3	0.17	1	FLOW TIME	39. 12.42	39. 12.42	38. 12.42	37. 12.42	37. 12.42	36. 12.42	
	HYDROGRAPH AT										
+	GC3	0.12	1	FLOW TIME	21. 12.33	20. 12.33	19. 12.33	19. 12.33	18. 12.33	18. 12.33	
	2 COMBINED AT										
+	CB GC3	0.29	1	FLOW TIME	59. 12.33	58. 12.42	56. 12.42	55. 12.42	54. 12.42	53. 12.42	
	2 COMBINED AT										
+	CB SLK	49.86	1	FLOW TIME	2592. 15.42	2524. 15.42	2456. 15.50	2390. 15.50	2324. 15.50	2258. 15.50	
	HYDROGRAPH AT										
+	PA2	0.25	1	FLOW TIME	20. 12.42	19. 12.42	18. 12.42	17. 12.42	16. 12.42	15. 12.42	
	ROUTED TO										
+	RT SL1	0.25	1	FLOW TIME	19. 12.42	19. 12.42	18. 12.42	17. 12.42	16. 12.42	15. 12.42	
	HYDROGRAPH AT										
+	SL1	0.02	1	FLOW TIME	7. 12.17	7. 12.17	7. 12.17	7. 12.17	7. 12.17	6. 12.17	
	2 COMBINED AT										
+	CP SL1	0.27	1	FLOW TIME	22. 12.42	21. 12.42	20. 12.42	20. 12.42	19. 12.42	18. 12.42	
	ROUTED TO										
+	RT C2A	0.27	1	FLOW TIME	23. 12.50	22. 12.50	21. 12.58	20. 12.58	19. 12.58	18. 12.58	
	ROUTED TO										
+	RT C2B	0.27	1	FLOW TIME	26. 12.67	25. 12.67	24. 12.67	22. 12.67	20. 12.75	20. 12.75	
	HYDROGRAPH AT										
+	GC2	0.18	1	FLOW TIME	30. 12.58	29. 12.58	29. 12.58	28. 12.58	27. 12.58	27. 12.58	
	2 COMBINED AT										
+	CB GC2	0.45	1	FLOW TIME	55. 12.67	53. 12.67	51. 12.67	48. 12.67	46. 12.67	43. 12.67	
	HYDROGRAPH AT										
+	PA3	0.10	1	FLOW TIME	8. 12.42	7. 12.42	7. 12.42	7. 12.42	6. 12.42	6. 12.42	
	ROUTED TO										
+	RT LEA	0.10	1	FLOW TIME	8. 12.42	7. 12.42	7. 12.42	6. 12.42	6. 12.42	6. 12.42	
	CONVERSION TO										
+	30SLE	0.10	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										

+	DV SLE	0.10	1	FLOW TIME	8. 12.42	7. 12.42	7. 12.42	6. 12.42	6. 12.42	6. 12.42	
	ROUTED TO										
+	RT LEC	0.10	1	FLOW TIME	7. 12.42	7. 12.42	7. 12.42	6. 12.42	6. 12.42	6. 12.42	
	ROUTED TO										
+	RT C1A	0.10	1	FLOW TIME	7. 12.67	7. 12.67	6. 12.67	6. 12.67	6. 12.67	6. 12.67	
	HYDROGRAPH AT										
+	GC1	0.25	1	FLOW TIME	47. 12.42	45. 12.42	44. 12.42	43. 12.42	42. 12.42	41. 12.42	
	2 COMBINED AT										
+	CB GC1	0.35	1	FLOW TIME	52. 12.50	49. 12.50	48. 12.50	46. 12.50	44. 12.50	42. 12.50	
	HYDROGRAPH AT										
+	PW7	1.25	1	FLOW TIME	49. 13.92	47. 13.92	45. 13.92	43. 14.00	42. 14.00	40. 14.00	
	DIVERSION TO										
+	RRPW7	1.25	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										
+	DV PW7	1.25	1	FLOW TIME	49. 13.92	47. 13.92	45. 13.92	43. 14.00	42. 14.00	40. 14.00	
	ROUTED TO										
+	RT PA4	1.25	1	FLOW TIME	49. 14.00	47. 14.00	45. 14.00	43. 14.00	42. 14.00	40. 14.00	
	HYDROGRAPH AT										
+	PA4	0.02	1	FLOW TIME	4. 12.25	3. 12.25	3. 12.25	3. 12.25	3. 12.25	3. 12.25	
	2 COMBINED AT										
+	CP PA4	1.27	1	FLOW TIME	49. 14.00	47. 14.00	46. 14.00	44. 14.00	42. 14.00	41. 14.00	
	DIVERSION TO										
+	24PA4	1.27	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										
+	DV PA4	1.27	1	FLOW TIME	49. 14.00	47. 14.00	46. 14.00	44. 14.00	42. 14.00	41. 14.00	
	ROUTED TO										
+	RT PA6	1.27	1	FLOW TIME	49. 14.00	47. 14.00	46. 14.00	44. 14.00	42. 14.00	41. 14.00	
	HYDROGRAPH AT										
+	PA6	0.01	1	FLOW TIME	1. 12.17	1. 12.17	1. 12.17	1. 12.17	1. 12.17	1. 12.17	

2 COMBINED AT

+	CP PA6	1.28	1	FLOW TIME	50. 14.00	48. 14.00	46. 14.00	44. 14.00	43. 14.00	41. 14.00	
	DIVERSION TO										
+	36PA6	1.28	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										
+	DV PA6	1.28	1	FLOW TIME	50. 14.00	48. 14.00	46. 14.00	44. 14.00	43. 14.00	41. 14.00	
	ROUTED TO										
+	RT A7B	1.28	1	FLOW TIME	50. 14.00	48. 14.00	46. 14.00	44. 14.00	43. 14.08	41. 14.08	
	HYDROGRAPH AT										
+	PA5	0.00	1	FLOW TIME	1. 12.17	1. 12.17	1. 12.17	1. 12.17	1. 12.17	1. 12.17	
	ROUTED TO										
+	RT A7A	0.00	1	FLOW TIME	1. 12.25	1. 12.25	1. 12.25	1. 12.25	1. 12.25	1. 12.25	
	HYDROGRAPH AT										
+	PA7	0.02	1	FLOW TIME	3. 12.33	3. 12.33	3. 12.33	3. 12.33	3. 12.33	3. 12.33	
	3 COMBINED AT										
+	CP PA7	1.30	1	FLOW TIME	50. 14.00	49. 14.00	47. 14.00	45. 14.00	43. 14.00	42. 14.08	
	ROUTED TO										
+	RT SDA	1.30	1	FLOW TIME	50. 14.00	49. 14.00	47. 14.00	45. 14.00	43. 14.08	42. 14.08	
	ROUTED TO										
+	RT SDB	1.30	1	FLOW TIME	50. 14.00	49. 14.08	47. 14.08	45. 14.08	43. 14.08	42. 14.08	
	HYDROGRAPH AT										
+	AW1	0.04	1	FLOW TIME	3. 12.42	3. 12.42	3. 12.42	3. 12.42	2. 12.42	2. 12.42	
	HYDROGRAPH AT										
+	PW7SP	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	2 COMBINED AT										
+	CP AW1	0.04	1	FLOW TIME	3. 12.42	3. 12.42	3. 12.42	3. 12.42	2. 12.42	2. 12.42	
	DIVERSION TO										
+	RRAW1	0.04	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	
	HYDROGRAPH AT										
+	DV AW1	0.04	1	FLOW TIME	3. 12.42	3. 12.42	3. 12.42	3. 12.42	2. 12.42	2. 12.42	
	ROUTED TO										

+	RT AWC	0.04	1	FLOW	3.	3.	3.	3.	2.	2.
				TIME	12.42	12.42	12.42	12.42	12.50	12.50

+	RT AWD	0.04	1	FLOW	3.	3.	3.	2.	2.	2.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

+	AW2	0.36	1	FLOW	13.	12.	12.	11.	11.	10.
				TIME	13.25	13.25	13.25	13.25	13.25	13.25

+	AW1SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

+	CP AW2	0.36	1	FLOW	13.	12.	12.	11.	11.	10.
				TIME	13.25	13.25	13.25	13.25	13.25	13.25

+	DET36	0.36	1	FLOW	12.	12.	11.	11.	10.	10.
				TIME	13.50	13.50	13.50	13.58	13.58	13.58

** PEAK STAGES IN FEET **

1	STAGE	5287.19	5287.13	5287.07	5287.01	5286.96	5286.90
	TIME	13.50	13.50	13.50	13.58	13.58	13.58

+	RT AWE	0.36	1	FLOW	12.	12.	11.	11.	10.	10.
				TIME	13.50	13.58	13.58	13.58	13.58	13.58

+	36AW3	0.36	1	FLOW	12.	12.	11.	11.	10.	10.
				TIME	13.50	13.58	13.58	13.58	13.58	13.58

+	DV A36	0.36	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

+	2-24	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

+	18AW3	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

+	DV 18	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

+	AW3	0.11	1	FLOW	27.	26.	25.	25.	24.	23.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

+	CP AW3	0.51	1	FLOW	28.	27.	26.	26.	25.	24.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

DIVERSION TO

+	30AW3	0.51	1	FLOW TIME	27. 12.25	27. 12.25	26. 12.25	26. 12.25	25. 12.25	24. 12.25
+	HYDROGRAPH AT DV A30	0.51	1	FLOW TIME	1. 12.25	0. 12.25	0. 0.08	0. 0.08	0. 0.08	0. 0.08
+	HYDROGRAPH AT 36RCP	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
+	HYDROGRAPH AT 18CMP	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
+	HYDROGRAPH AT SRS	0.03	1	FLOW TIME	4. 12.33	4. 12.33	4. 12.33	4. 12.33	4. 12.33	4. 12.33
+	4 COMBINED AT CP SRS	0.54	1	FLOW TIME	5. 12.25	4. 12.33	4. 12.33	4. 12.33	4. 12.33	4. 12.33
+	ROUTED TO RT SDC	0.54	1	FLOW TIME	5. 12.42	4. 12.42	4. 12.42	4. 12.50	4. 12.50	4. 12.50
+	HYDROGRAPH AT 30CMP	0.00	1	FLOW TIME	27. 12.25	27. 12.25	26. 12.25	26. 12.25	25. 12.25	24. 12.25
+	HYDROGRAPH AT 36CMP	0.00	1	FLOW TIME	12. 13.50	12. 13.58	11. 13.58	11. 13.58	10. 13.58	10. 13.58
+	ROUTED TO RT AWG	0.00	1	FLOW TIME	12. 13.58	12. 13.58	11. 13.58	11. 13.58	10. 13.67	10. 13.67
+	2 COMBINED AT CP CHL	0.00	1	FLOW TIME	27. 12.25	27. 12.25	26. 12.25	26. 12.25	25. 12.25	24. 12.25
+	ROUTED TO RT I1A	0.00	1	FLOW TIME	27. 12.33	27. 12.33	25. 12.33	25. 12.33	24. 12.33	24. 12.33
+	DIVERSION TO 36SI1	0.00	1	FLOW TIME	27. 12.33	27. 12.33	25. 12.33	25. 12.33	24. 12.33	24. 12.33
+	HYDROGRAPH AT DV SI1	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
+	HYDROGRAPH AT SI1	0.04	1	FLOW TIME	7. 12.25	7. 12.25	6. 12.25	6. 12.25	6. 12.25	6. 12.25

2 COMBINED AT

+	CB SLK	52.85	1	FLOW TIME	2656. 15.42	2587. 15.42	2518. 15.42	2450. 15.50	2383. 15.50	2317. 15.50
	HYDROGRAPH AT									
+	LEA	0.14	1	FLOW TIME	50. 12.58	49. 12.58	48. 12.58	47. 12.58	47. 12.58	46. 12.58
	DIVERSION TO									
+	30JCP	0.14	1	FLOW TIME	18. 12.17	18. 12.17	18. 12.17	18. 12.17	18. 12.17	18. 12.17
	HYDROGRAPH AT									
+	DV JCP	0.14	1	FLOW TIME	32. 12.58	31. 12.58	30. 12.58	29. 12.58	29. 12.58	28. 12.58
	DIVERSION TO									
+	24LEA	0.14	1	FLOW TIME	15. 12.33	15. 12.33	15. 12.33	15. 12.33	15. 12.33	15. 12.33
	HYDROGRAPH AT									
+	DV LEA	0.14	1	FLOW TIME	17. 12.58	16. 12.58	15. 12.58	14. 12.58	14. 12.58	13. 12.58
	HYDROGRAPH AT									
+	24CMP	0.00	1	FLOW TIME	7. 12.25	7. 12.25	6. 12.25	6. 12.25	6. 12.25	6. 12.25
	HYDROGRAPH AT									
+	36RCP	0.00	1	FLOW TIME	23. 12.33	23. 12.33	22. 12.42	21. 12.33	21. 12.33	21. 12.33
	2 COMBINED AT									
+	CB STM	0.00	1	FLOW TIME	29. 12.33	29. 12.33	28. 12.33	27. 12.33	26. 12.33	26. 12.33
	DIVERSION TO									
+	24ST1	0.00	1	FLOW TIME	3. 12.33	3. 12.33	1. 12.33	1. 12.33	0. 12.33	0. 0.08
	HYDROGRAPH AT									
+	DV ST1	0.00	1	FLOW TIME	27. 12.33	27. 12.33	26. 12.33	26. 12.33	26. 12.33	26. 12.33
	ROUTED TO									
+	RT T1D	0.00	1	FLOW TIME	27. 12.42	27. 12.42	26. 12.42	26. 12.42	25. 12.42	25. 12.42
	HYDROGRAPH AT									
+	RC STD	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
	HYDROGRAPH AT									
+	RC RSD	0.00	1	FLOW TIME	27. 13.92	25. 13.92	24. 13.92	22. 13.92	21. 14.00	19. 14.00
	ROUTED TO									
+	RT T1F	0.00	1	FLOW TIME	27. 13.92	25. 13.92	24. 14.00	22. 14.00	21. 14.00	19. 14.00
	HYDROGRAPH AT									

+	ST1	0.02	1	FLOW TIME	8. 12.42	7. 12.42	7. 12.42	7. 12.42	7. 12.42	7. 12.42
COMBINED AT										
+	CP ST1	0.02	1	FLOW TIME	53. 12.42	52. 12.42	51. 12.42	50. 12.42	49. 12.42	48. 12.42
ROUTED TO										
+	RT T2A	0.02	1	FLOW TIME	52. 12.42	51. 12.42	50. 12.42	49. 12.42	48. 12.42	47. 12.42
ROUTED TO										
+	RT T2C	0.02	1	FLOW TIME	55. 12.58	53. 12.58	52. 12.58	51. 12.67	50. 12.67	49. 12.67
HYDROGRAPH AT										
+	ST2	0.40	1	FLOW TIME	117. 12.58	115. 12.58	113. 12.58	111. 12.58	109. 12.58	107. 12.58
DIVERSION TO										
+	18HZL	0.40	1	FLOW TIME	16. 12.25	16. 12.25	16. 12.25	16. 12.33	16. 12.33	16. 12.33
HYDROGRAPH AT										
+	DV HZL	0.40	1	FLOW TIME	101. 12.58	99. 12.58	97. 12.58	95. 12.58	93. 12.58	91. 12.58
HYDROGRAPH AT										
+	RC JCP	0.00	1	FLOW TIME	18. 12.17	18. 12.17	18. 12.17	18. 12.17	18. 12.17	18. 12.17
ROUTED TO										
+	RT T2E	0.00	1	FLOW TIME	18. 12.33	18. 12.33	18. 12.33	18. 12.33	18. 12.33	18. 12.33
3 COMBINED AT										
+	CP ST2	0.42	1	FLOW TIME	174. 12.58	170. 12.58	167. 12.58	162. 12.58	158. 12.58	156. 12.58
DIVERSION TO										
+	54ST2	0.42	1	FLOW TIME	65. 12.25	65. 12.25	65. 12.25	65. 12.25	65. 12.33	65. 12.33
HYDROGRAPH AT										
+	DV ST2	0.42	1	FLOW TIME	109. 12.58	105. 12.58	102. 12.58	97. 12.58	93. 12.58	91. 12.58
2 COMBINED AT										
+	CP LEA	0.56	1	FLOW TIME	126. 12.58	121. 12.58	117. 12.58	112. 12.58	107. 12.58	104. 12.58
ROUTED TO										
+	RRDON	0.56	1	FLOW TIME	28. 13.25	27. 13.17	26. 13.17	24. 13.17	23. 13.17	22. 13.08

** PEAK STAGES IN FEET **

1	STAGE	4971.72	4971.67	4971.62	4971.56	4971.50	4971.44
	TIME	13.25	13.17	13.17	13.17	13.17	13.08

DIVERSION TO

+ RRBOX 0.56 1 FLOW 25. 25. 25. 24. 23. 22.
 TIME 12.92 13.00 13.08 13.17 13.17 13.08

HYDROGRAPH AT
 + DV BOX 0.56 1 FLOW 3. 2. 1. 0. 0. 0.
 TIME 13.25 13.17 13.17 0.08 0.08 0.08

HYDROGRAPH AT
 + ST3 0.53 1 FLOW 108. 106. 104. 102. 100. 98.
 TIME 12.92 12.92 12.92 12.92 12.92 12.92

ROUTED TO
 + RT MO3 0.53 1 FLOW 108. 106. 104. 102. 100. 98.
 TIME 13.00 13.00 13.00 13.00 13.00 13.08

ROUTED TO
 + RT MO4 0.53 1 FLOW 108. 106. 104. 102. 100. 98.
 TIME 13.08 13.08 13.08 13.08 13.08 13.08

HYDROGRAPH AT
 + MOY 1.17 1 FLOW 170. 167. 163. 160. 157. 154.
 TIME 13.42 13.42 13.42 13.42 13.42 13.42

3 COMBINED AT
 + CP MOY 2.26 1 FLOW 272. 266. 260. 254. 249. 244.
 TIME 13.25 13.25 13.25 13.25 13.25 13.25

ROUTED TO
 + DETMO 2.26 1 FLOW 25. 24. 24. 23. 23. 22.
 TIME 23.08 23.17 23.25 23.33 23.42 23.50

** PEAK STAGES IN FEET **
 1 STAGE 4966.85 4966.83 4966.81 4966.79 4966.77 4966.75
 TIME 22.75 22.92 22.92 23.25 23.00 23.25

ROUTED TO
 + RT K2B 2.26 1 FLOW 25. 24. 24. 23. 23. 22.
 TIME 23.75 23.83 23.92 24.00 24.08 24.17

HYDROGRAPH AT
 + SLK 1.32 1 FLOW 779. 769. 759. 749. 738. 728.
 TIME 12.33 12.33 12.33 12.33 12.33 12.33

3 COMBINED AT
 + CP SLK 56.43 1 FLOW 2746. 2674. 2604. 2534. 2465. 2397.
 TIME 15.33 15.42 15.42 15.42 15.42 15.50

ROUTED TO
 + SLWSE 56.43 1 FLOW 0. 0. 0. 0. 0. 0.
 TIME 0.08 0.08 0.08 0.08 0.08 0.08

** PEAK STAGES IN FEET **
 1 STAGE 4960.99 4960.94 4960.89 4960.84 4960.79 4960.74
 TIME 98.50 99.25 98.92 98.58 98.42 98.67

HYDROGRAPH AT
 + PE1A 0.05 1 FLOW 6. 6. 5. 5. 5. 5.
 TIME 12.33 12.33 12.33 12.33 12.33 12.33

ROUTED TO

+	SRT9C	0.05	1	FLOW	1.	1.	1.	1.	0.	0.
				TIME	18.33	18.42	19.00	19.58	20.17	20.75

** PEAK STAGES IN FEET **

1	STAGE	90.22	90.21	90.20	90.19	90.18	90.18
	TIME	18.33	18.50	19.00	19.67	20.33	20.92

ROUTED TO

+	RT SBG	0.05	1	FLOW	1.	1.	1.	1.	0.	0.
				TIME	18.42	18.50	19.08	19.58	20.25	20.83

HYDROGRAPH AT

+	PE1B	0.11	1	FLOW	11.	11.	11.	10.	10.	9.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

ROUTED TO

+	SRT9B	0.11	1	FLOW	10.	10.	9.	9.	8.	8.
				TIME	12.50	12.50	12.50	12.58	12.58	12.58

** PEAK STAGES IN FEET **

1	STAGE	97.35	97.28	97.22	97.16	97.10	97.04
	TIME	12.50	12.50	12.50	12.58	12.58	12.58

DIVERSION TO

+	PE1-RR	0.11	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	DV PE1	0.11	1	FLOW	10.	10.	9.	9.	8.	8.
				TIME	12.50	12.50	12.50	12.58	12.58	12.58

ROUTED TO

+	RT SBA	0.11	1	FLOW	10.	10.	9.	9.	9.	8.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

2 COMBINED AT

+	CB PE1	0.16	1	FLOW	10.	10.	9.	9.	9.	8.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

ROUTED TO

+	RT SBB	0.16	1	FLOW	10.	9.	9.	9.	8.	8.
				TIME	12.75	12.75	12.75	12.75	12.75	12.75

HYDROGRAPH AT

+	PE2	0.35	1	FLOW	27.	26.	25.	24.	24.	23.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83

HYDROGRAPH AT

+	RC DIV	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT

+	CP PE2	0.35	1	FLOW	27.	26.	25.	24.	24.	23.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83

DIVERSION TO

+	RRPE2	0.35	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	DV PE2	0.35	1	FLOW	27.	26.	25.	24.	24.	23.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83

ROUTED TO

+	RT SBC	0.35	1	FLOW	27.	26.	25.	24.	23.	23.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83

ROUTED TO

+	RT SBD	0.35	1	FLOW	27.	26.	25.	24.	23.	22.
				TIME	12.92	12.92	13.00	13.00	13.00	13.00

HYDROGRAPH AT

+	PE3	0.09	1	FLOW	17.	16.	16.	15.	15.	15.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

HYDROGRAPH AT

+	PE2SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT

+	CP PE3	0.09	1	FLOW	17.	16.	16.	15.	15.	15.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

DIVERSION TO

+	RRPE3	0.09	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	DV PE3	0.09	1	FLOW	17.	16.	16.	15.	15.	15.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

ROUTED TO

+	RT SBE	0.09	1	FLOW	17.	16.	16.	15.	15.	15.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

ROUTED TO

+	RT SBF	0.09	1	FLOW	17.	17.	16.	16.	15.	15.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

HYDROGRAPH AT

+	ESB	0.39	1	FLOW	40.	38.	37.	35.	34.	32.
				TIME	12.33	12.33	12.42	12.42	12.42	12.42

4 COMBINED AT

+	CP ESB	0.99	1	FLOW	71.	69.	66.	64.	61.	59.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

ROUTED TO

+	ESB-DT	0.99	1	FLOW	62.	60.	58.	56.	54.	52.
				TIME	13.00	13.00	13.00	13.00	13.00	13.00

** PEAK STAGES IN FEET **

1	STAGE	92.90	92.86	92.83	92.79	92.76	92.73
	TIME	13.00	13.00	13.00	13.00	13.00	13.00

DIVERSION TO

+	WR-ESB	0.99	1	FLOW	12.	11.	10.	9.	8.	7.
				TIME	13.00	13.00	13.00	13.00	13.00	13.00

HYDROGRAPH AT

+ DV ESB 0.99 1 FLOW 50. 49. 48. 47. 46. 45.
 TIME 13.00 13.00 13.00 13.00 13.00 13.00

RO TO
 + RT SE1 0.99 1 FLOW 50. 49. 48. 47. 46. 45.
 TIME 13.08 13.08 13.08 13.08 13.08 13.08

HYDROGRAPH AT
 + SE1 0.08 1 FLOW 10. 10. 9. 9. 9. 8.
 TIME 12.42 12.42 12.42 12.42 12.42 12.42

2 COMBINED AT
 + CP SE1 1.07 1 FLOW 54. 53. 52. 51. 50. 48.
 TIME 13.00 13.00 13.00 13.00 13.08 13.08

ROUTED TO
 + RT SV6 1.07 1 FLOW 59. 60. 60. 58. 56. 53.
 TIME 13.00 13.00 13.00 13.00 13.00 13.25

HYDROGRAPH AT
 + SV6 0.32 1 FLOW 75. 74. 72. 71. 69. 68.
 TIME 12.58 12.58 12.58 12.58 12.58 12.58

HYDROGRAPH AT
 + SV7 0.07 1 FLOW 14. 14. 13. 13. 13. 12.
 TIME 12.33 12.33 12.33 12.33 12.33 12.33

3 COMBINED AT
 + CP SV7 1.46 1 FLOW 110. 110. 109. 107. 103. 98.
 TIME 13.00 13.00 13.00 13.00 13.00 13.00

ROUTED TO
 + SRT679 1.46 1 FLOW 42. 41. 40. 38. 37. 36.
 TIME 15.83 15.92 15.92 15.92 15.92 16.00

**** PEAK STAGES IN FEET ****

1 STAGE 71.14 71.08 71.02 70.96 70.89 70.83
 TIME 15.83 15.92 15.92 15.92 16.00 16.00

ROUTED TO
 + RT V4A 1.46 1 FLOW 42. 41. 40. 38. 37. 36.
 TIME 15.83 15.92 15.92 15.92 16.00 16.00

ROUTED TO
 + RT V4B 1.46 1 FLOW 42. 41. 40. 38. 37. 36.
 TIME 16.00 16.00 16.00 16.08 16.08 16.08

HYDROGRAPH AT
 + SV4 0.11 1 FLOW 37. 36. 35. 35. 34. 33.
 TIME 12.25 12.25 12.25 12.25 12.25 12.25

2 COMBINED AT
 + CP SV4 1.57 1 FLOW 45. 44. 43. 41. 40. 39.
 TIME 15.83 15.92 15.92 15.92 16.00 16.00

ROUTED TO
 + RT MIL 1.57 1 FLOW 45. 44. 43. 41. 40. 39.
 TIME 15.92 15.92 16.00 16.00 16.00 16.08

HYDROGRAPH AT

+	RC ST1	0.00	1	FLOW TIME	3. 12.33	3. 12.33	1. 12.33	1. 12.33	0. 12.33	0. 0.08	
	HYDROGRAPH AT										
+	SE2	0.09	1	FLOW TIME	45. 12.25	44. 12.25	43. 12.25	42. 12.25	42. 12.25	41. 12.25	
	2 COMBINED AT										
+	CP SE2	0.09	1	FLOW TIME	45. 12.25	44. 12.25	43. 12.25	42. 12.25	42. 12.25	41. 12.25	
	ROUTED TO										
+	RT SV3	0.09	1	FLOW TIME	47. 12.67	46. 12.75	45. 12.75	45. 12.75	44. 12.75	44. 12.75	
	HYDROGRAPH AT										
+	SE3	0.05	1	FLOW TIME	27. 12.25	27. 12.25	27. 12.25	26. 12.25	26. 12.25	25. 12.25	
	ROUTED TO										
+	RT SV3	0.05	1	FLOW TIME	30. 12.67	29. 12.67	29. 12.67	28. 12.67	28. 12.67	28. 12.67	
	HYDROGRAPH AT										
+	SV3	0.28	1	FLOW TIME	63. 12.67	62. 12.67	61. 12.67	60. 12.67	58. 12.67	57. 12.67	
	3 COMBINED AT										
+	CB SV3	0.42	1	FLOW TIME	140. 12.67	137. 12.67	133. 12.67	130. 12.67	128. 12.67	125. 12.67	
	DIVERSION TO										
+	DET B	0.42	1	FLOW TIME	125. 12.67	125. 12.67	125. 12.67	125. 12.67	125. 12.67	125. 12.67	
	HYDROGRAPH AT										
+	DV SV3	0.42	1	FLOW TIME	15. 12.67	12. 12.67	8. 12.67	5. 12.67	3. 12.67	0. 0.08	
	HYDROGRAPH AT										
+	RC SV3	0.00	1	FLOW TIME	125. 12.67	125. 12.67	125. 12.67	125. 12.67	125. 12.67	125. 12.67	
	ROUTED TO										
+	SRT3,8	0.00	1	FLOW TIME	39. 13.83	38. 13.83	37. 13.83	36. 13.83	35. 13.83	34. 13.92	

** PEAK STAGES IN FEET **

1	STAGE	4961.13	4961.07	4961.01	4960.96	4960.90	4960.84
	TIME	13.83	13.83	13.83	13.83	13.83	13.92

	2 COMBINED AT										
+	CP SV3	0.42	1	FLOW TIME	39. 13.83	38. 13.83	37. 13.83	36. 13.83	35. 13.83	34. 13.92	
	ROUTED TO										
+	RT MIL	0.42	1	FLOW TIME	39. 13.83	38. 13.92	37. 13.92	36. 13.92	35. 13.92	34. 14.00	

HYDROGRAPH AT

+	SV5	0.03	1	FLOW	30.	29.	29.	28.	28.	28.
				TIME	12.08	12.08	12.08	12.08	12.08	12.08

HYDROGRAPH AT

+	SE4	0.01	1	FLOW	4.	4.	4.	4.	4.	4.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

2 COMBINED AT

+	CP SE4	0.04	1	FLOW	32.	32.	31.	31.	30.	30.
				TIME	12.08	12.08	12.08	12.08	12.08	12.08

ROUTED TO

+	RT A1A	0.04	1	FLOW	26.	28.	25.	27.	25.	26.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17

HYDROGRAPH AT

+	RC HZL	0.00	1	FLOW	16.	16.	16.	16.	16.	16.
				TIME	12.25	12.25	12.25	12.33	12.33	12.33

ROUTED TO

+	RT A1D	0.00	1	FLOW	16.	16.	16.	16.	16.	16.
				TIME	12.33	12.33	12.33	12.33	12.42	12.42

2 COMBINED AT

+	CB SD	0.04	1	FLOW	42.	44.	41.	43.	40.	42.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17

ROUTED TO

+	RT A1B	0.04	1	FLOW	38.	40.	37.	39.	37.	38.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

HYDROGRAPH AT

+	RC LEA	0.00	1	FLOW	15.	15.	15.	15.	15.	15.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

HYDROGRAPH AT

+	RC BOX	0.00	1	FLOW	25.	25.	25.	24.	23.	22.
				TIME	12.92	13.00	13.08	13.17	13.17	13.08

2 COMBINED AT

+	CB BOX	0.00	1	FLOW	40.	40.	39.	38.	36.	35.
				TIME	12.92	12.92	12.92	12.92	12.92	12.92

ROUTED TO

+	RT M05	0.00	1	FLOW	40.	39.	38.	37.	35.	34.
				TIME	13.00	13.00	13.00	13.00	13.00	12.92

HYDROGRAPH AT

+	RC ST2	0.00	1	FLOW	65.	65.	65.	65.	65.	65.
				TIME	12.25	12.25	12.25	12.25	12.33	12.33

2 COMBINED AT

+	CB SD1	0.00	1	FLOW	105.	104.	103.	102.	100.	99.
				TIME	13.00	13.00	13.00	13.00	13.00	12.92

ROUTED TO

+	RT T2D	0.00	1	FLOW	103.	103.	102.	101.	99.	98.
				TIME	13.08	13.08	13.08	13.08	13.08	13.08

2 COMBINED AT

+	CB SD2	0.04	1	FLOW TIME	124. 13.00	123. 13.08	122. 13.08	121. 13.08	119. 13.00	118. 13.00
+	RT A1C	0.04	1	FLOW TIME	123. 13.25	123. 13.25	122. 13.25	121. 13.25	119. 13.25	118. 13.25
HYDROGRAPH AT										
+	MA1	0.41	1	FLOW TIME	35. 12.92	34. 12.92	33. 12.92	32. 12.92	31. 13.00	30. 13.00
2 COMBINED AT										
+	CP MA1	0.45	1	FLOW TIME	156. 13.17	154. 13.17	152. 13.17	150. 13.17	148. 13.17	146. 13.17
HYDROGRAPH AT										
+	PE4	1.85	1	FLOW TIME	116. 13.25	113. 13.25	109. 13.25	105. 13.25	102. 13.25	98. 13.25
HYDROGRAPH AT										
+	PE3SP	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
HYDROGRAPH AT										
+	ESB SP	0.00	1	FLOW TIME	12. 13.00	11. 13.00	10. 13.00	9. 13.00	8. 13.00	7. 13.00
3 COMBINED AT										
+	CP PE4	1.85	1	FLOW TIME	127. 13.17	122. 13.17	118. 13.17	113. 13.17	109. 13.17	104. 13.25
ROUTED TO										
+	RT ML1	1.85	1	FLOW TIME	127. 13.50	122. 13.50	118. 13.58	113. 13.58	109. 13.58	104. 13.58
HYDROGRAPH AT										
+	ML1	1.06	1	FLOW TIME	58. 13.58	56. 13.58	54. 13.58	52. 13.58	51. 13.58	49. 13.58
2 COMBINED AT										
+	CP ML1	2.91	1	FLOW TIME	184. 13.50	178. 13.58	172. 13.58	166. 13.58	159. 13.58	153. 13.58
DIVERSION TO										
+	MIL-WR	2.91	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
HYDROGRAPH AT										
+	DV WER	2.91	1	FLOW TIME	184. 13.50	178. 13.58	172. 13.58	166. 13.58	159. 13.58	153. 13.58
DIVERSION TO										
+	BOXML1	2.91	1	FLOW TIME	121. 13.50	118. 13.58	115. 13.58	111. 13.58	108. 13.58	105. 13.58
HYDROGRAPH AT										
+	DV ML1	2.91	1	FLOW TIME	63. 13.50	60. 13.58	57. 13.58	54. 13.58	52. 13.58	49. 13.58
DIVERSION TO										

+	24ML1	2.91	1	FLOW TIME	0. 13.50	0. 13.58	0. 0.08	0. 0.08	0. 0.08	0. 0.08
HYDROGRAPH AT										
+	DV ML1	2.91	1	FLOW TIME	63. 13.50	60. 13.58	57. 13.58	54. 13.58	52. 13.58	49. 13.58
ROUTED TO										
+	RT ML3	2.91	1	FLOW TIME	63. 13.67	60. 13.67	58. 13.75	55. 13.75	52. 13.75	49. 13.83
HYDROGRAPH AT										
+	ML3	0.17	1	FLOW TIME	2. 13.83	2. 13.83	2. 13.92	2. 13.92	2. 14.00	2. 14.00
5 COMBINED AT										
+	CP ML3	5.52	1	FLOW TIME	264. 13.67	258. 13.67	251. 13.75	244. 13.75	236. 13.75	229. 13.75
HYDROGRAPH AT										
+	RC L1A	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
HYDROGRAPH AT										
+	RC L1B	0.00	1	FLOW TIME	121. 13.50	118. 13.58	115. 13.58	111. 13.58	108. 13.58	105. 13.58
HYDROGRAPH AT										
+	RC L1C	0.00	1	FLOW TIME	0. 13.50	0. 13.58	0. 0.08	0. 0.08	0. 0.08	0. 0.08
3 COMBINED AT										
+	CB DIV	0.00	1	FLOW TIME	122. 13.50	118. 13.58	115. 13.58	111. 13.58	108. 13.58	105. 13.58
DIVERSION TO										
+	ML2-WR	0.00	1	FLOW TIME	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08	0. 0.08
HYDROGRAPH AT										
+	DV ML2	0.00	1	FLOW TIME	122. 13.50	118. 13.58	115. 13.58	111. 13.58	108. 13.58	105. 13.58
ROUTED TO										
+	RT L2A	0.00	1	FLOW TIME	122. 13.67	119. 13.67	115. 13.67	112. 13.67	108. 13.67	105. 13.75
2 COMBINED AT										
+	CB BOX	5.52	1	FLOW TIME	386. 13.67	377. 13.67	366. 13.67	355. 13.67	344. 13.75	334. 13.75
ROUTED TO										
+	RT GP1	5.52	1	FLOW TIME	385. 13.75	375. 13.83	365. 13.75	354. 13.83	344. 13.83	333. 13.75
HYDROGRAPH AT										
+	ML2	0.63	1	FLOW TIME	8. 14.33	8. 14.42	8. 14.50	7. 14.67	7. 14.75	7. 14.83
HYDROGRAPH AT										

+	RC ML2	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT

+	CP ML2	0.63	1	FLOW	8.	8.	8.	7.	7.	7.
				TIME	14.33	14.42	14.50	14.67	14.75	14.83

HYDROGRAPH AT

+	MA2	0.06	1	FLOW	3.	3.	3.	3.	3.	2.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

ROUTED TO

+	RT GP2	0.06	1	FLOW	3.	3.	3.	3.	2.	2.
				TIME	12.42	12.50	12.50	12.50	12.50	12.50

ROUTED TO

+	RT GP3	0.06	1	FLOW	3.	3.	3.	3.	2.	2.
				TIME	12.75	12.75	12.75	12.75	12.83	12.92

HYDROGRAPH AT

+	SGP	0.26	1	FLOW	62.	61.	60.	59.	57.	56.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

2 COMBINED AT

+	CP SGP	0.32	1	FLOW	62.	61.	60.	59.	57.	56.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

HYDROGRAPH AT

+	LD1	0.33	1	FLOW	20.	19.	18.	18.	17.	16.
				TIME	12.67	12.75	12.75	12.75	12.75	12.75

ROUTED TO

+	RT D3B	0.33	1	FLOW	20.	20.	19.	19.	18.	16.
				TIME	13.42	13.33	13.33	13.33	13.33	13.50

HYDROGRAPH AT

+	LD3	0.80	1	FLOW	11.	11.	10.	10.	10.	9.
				TIME	14.83	14.92	15.00	15.00	15.08	15.08

2 COMBINED AT

+	CB LD3	1.13	1	FLOW	27.	26.	25.	24.	23.	22.
				TIME	13.42	13.33	13.50	13.50	13.50	13.50

4 COMBINED AT

+	CB LLK	7.60	1	FLOW	440.	429.	416.	403.	391.	378.
				TIME	13.67	13.67	13.67	13.75	13.75	13.75

HYDROGRAPH AT

+	PE5	2.53	1	FLOW	51.	49.	47.	45.	42.	41.
				TIME	14.42	14.42	14.42	14.50	14.50	14.58

ROUTED TO

+	DET33	2.53	1	FLOW	45.	43.	42.	40.	38.	37.
				TIME	15.58	15.58	15.67	15.67	15.75	15.75



** PEAK STAGES IN FEET **

1	STAGE	35.87	35.62	35.38	35.15	34.92	34.70
	TIME	15.58	15.58	15.67	15.67	15.75	15.75

DIVERSION TO

+	RRPE5	2.53	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08
	HYDROGRAPH AT									
+	DV PE5	2.53	1	FLOW	45.	43.	42.	40.	38.	37.
				TIME	15.58	15.58	15.67	15.67	15.75	15.75
	ROUTED TO									
+	RT HR1	2.53	1	FLOW	45.	43.	42.	40.	38.	37.
				TIME	15.67	15.75	15.75	15.75	15.83	15.92
	HYDROGRAPH AT									
+	HR1	0.09	1	FLOW	9.	9.	9.	8.	8.	8.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
	2 COMBINED AT									
+	CP HR1	2.62	1	FLOW	47.	45.	43.	41.	40.	38.
				TIME	15.67	15.67	15.75	15.75	15.83	15.83
	ROUTED TO									
+	RT H2A	2.62	1	FLOW	47.	45.	43.	41.	40.	38.
				TIME	15.67	15.67	15.75	15.75	15.83	15.83
	ROUTED TO									
+	RT H2B	2.62	1	FLOW	47.	45.	43.	41.	40.	38.
				TIME	15.67	15.67	15.75	15.75	15.83	15.92
	HYDROGRAPH AT									
+	HR2	0.03	1	FLOW	16.	15.	15.	15.	14.	14.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17
	2 COMBINED AT									
+	CP HR2	2.65	1	FLOW	48.	46.	44.	42.	41.	39.
				TIME	15.67	15.67	15.75	15.75	15.83	15.83
	ROUTED TO									
+	RT G3A	2.65	1	FLOW	48.	46.	44.	42.	41.	39.
				TIME	15.67	15.75	15.75	15.83	15.83	15.92
	ROUTED TO									
+	RT G3B	2.65	1	FLOW	48.	46.	44.	42.	41.	39.
				TIME	15.75	15.75	15.83	15.83	15.92	16.00
	HYDROGRAPH AT									
+	HR3	0.10	1	FLOW	29.	29.	28.	27.	27.	26.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25
	ROUTED TO									
+	RT G3C	0.10	1	FLOW	31.	30.	29.	28.	28.	27.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42
	HYDROGRAPH AT									
+	PE6	0.10	1	FLOW	5.	5.	5.	4.	4.	4.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33
	HYDROGRAPH AT									
+	PE5SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08
	2 COMBINED AT									

+	CP PE6	0.10	1	FLOW	5.	5.	5.	4.	4.	4.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

+	DET24	0.10	1	FLOW	2.	2.	1.	1.	1.	1.
				TIME	14.83	15.00	14.92	15.00	15.00	15.08

** PEAK STAGES IN FEET **

1	STAGE	5222.86	5222.84	5222.82	5222.80	5222.78	5222.76
	TIME	14.83	14.92	15.00	15.00	15.08	15.00

DIVERSION TO

+	RRPE6	0.10	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	DV PE6	0.10	1	FLOW	2.	2.	1.	1.	1.	1.
				TIME	14.83	15.00	14.92	15.00	15.00	15.08

ROUTED TO

+	RT MGA	0.10	1	FLOW	2.	2.	1.	1.	1.	1.
				TIME	15.00	14.92	15.00	15.00	15.08	15.08

ROUTED TO

+	RT MGB	0.10	1	FLOW	2.	2.	1.	1.	1.	1.
				TIME	15.08	15.17	15.17	15.25	15.25	15.33

HYDROGRAPH AT

+	MG1	0.18	1	FLOW	38.	37.	36.	35.	34.	33.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

2 COMBINED AT

+	CP MG1	0.28	1	FLOW	38.	37.	36.	35.	34.	33.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO

+	RT G3D	0.28	1	FLOW	39.	37.	36.	35.	34.	33.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

HYDROGRAPH AT

+	PE7	0.99	1	FLOW	56.	53.	51.	49.	47.	45.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

HYDROGRAPH AT

+	PE6SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT

+	CP PE7	0.99	1	FLOW	56.	53.	51.	49.	47.	45.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

ROUTED TO

+	DET24	0.99	1	FLOW	23.	22.	21.	21.	20.	19.
				TIME	14.50	14.50	14.58	14.58	14.67	14.67

** PEAK STAGES IN FEET **

1	STAGE	24.90	24.66	24.42	24.18	23.95	23.72
	TIME	14.50	14.50	14.58	14.58	14.67	14.67

DIVERSION TO

+	RRPE7	0.99	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	DV PE7	0.99	1	FLOW	23.	22.	21.	21.	20.	19.
				TIME	14.50	14.50	14.58	14.58	14.67	14.67

ROUTED TO

+	RT NV1	0.99	1	FLOW	23.	22.	21.	21.	20.	19.
				TIME	14.58	14.58	14.58	14.67	14.67	14.75

HYDROGRAPH AT

+	NV1	0.06	1	FLOW	20.	20.	19.	19.	18.	18.
				TIME	12.17	12.17	12.17	12.17	12.17	12.17

2 COMBINED AT

+	CP NV1	1.05	1	FLOW	25.	25.	24.	23.	22.	21.
				TIME	14.33	14.42	14.42	14.50	14.50	14.58

ROUTED TO

+	RT TP1	1.05	1	FLOW	25.	25.	24.	23.	22.	21.
				TIME	14.50	14.50	14.58	14.58	14.58	14.67

HYDROGRAPH AT

+	TP1	0.05	1	FLOW	11.	11.	11.	10.	10.	10.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

2 COMBINED AT

+	CP TP1	1.10	1	FLOW	32.	32.	31.	30.	29.	29.
				TIME	12.33	12.33	12.33	12.33	12.33	12.33

ROUTED TO

+	RT G3E	1.10	1	FLOW	30.	29.	28.	28.	27.	27.
				TIME	12.33	12.33	12.33	12.33	12.33	12.42

ROUTED TO

+	RT G3F	1.10	1	FLOW	33.	32.	31.	30.	29.	28.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

HYDROGRAPH AT

+	GV3	0.34	1	FLOW	14.	13.	12.	12.	11.	11.
				TIME	12.83	12.83	12.83	12.83	12.83	12.83

5 COMBINED AT

+	CP GV3	4.47	1	FLOW	107.	104.	101.	98.	95.	93.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

HYDROGRAPH AT

+	PH1	0.11	1	FLOW	6.	6.	6.	5.	5.	5.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

HYDROGRAPH AT

+	PE7SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT

+	CP PH1	0.11	1	FLOW	6.	6.	6.	5.	5.	5.
				TIME	12.50	12.50	12.50	12.50	12.50	12.50

ROUTED TO

+	DET24	0.11	1	FLOW	3.	3.	3.	3.	3.	3.
				TIME	13.42	13.42	13.42	13.42	13.50	13.50

** PEAK STAGES IN FEET **

1	STAGE	5192.93	5192.90	5192.87	5192.84	5192.81	5192.78
	TIME	13.42	13.42	13.42	13.42	13.50	13.50

DIVERSION TO

+	RRPH1	0.11	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

HYDROGRAPH AT

+	DV PH1	0.11	1	FLOW	3.	3.	3.	3.	3.	3.
				TIME	13.42	13.42	13.42	13.42	13.50	13.50

ROUTED TO

+	RT TP2	0.11	1	FLOW	3.	3.	3.	3.	3.	3.
				TIME	13.58	13.58	13.58	13.67	13.67	13.67

HYDROGRAPH AT

+	TP2	0.10	1	FLOW	22.	22.	21.	21.	20.	20.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

2 COMBINED AT

+	CP TP2	0.21	1	FLOW	22.	22.	21.	21.	20.	20.
				TIME	12.25	12.25	12.25	12.25	12.25	12.25

HYDROGRAPH AT

+	RH1	0.69	1	FLOW	82.	79.	77.	75.	72.	70.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

HYDROGRAPH AT

+	PH1SP	0.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	0.08	0.08	0.08	0.08	0.08	0.08

2 COMBINED AT

+	CB RH1	0.69	1	FLOW	82.	79.	77.	75.	72.	70.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

2 COMBINED AT

+	CP RH1	0.90	1	FLOW	100.	97.	94.	92.	89.	86.
				TIME	12.42	12.42	12.42	12.42	12.42	12.42

ROUTED TO

+	RT GV1	0.90	1	FLOW	101.	98.	95.	93.	90.	87.
				TIME	12.58	12.58	12.58	12.58	12.58	12.58

HYDROGRAPH AT

+	GV1	3.13	1	FLOW	69.	66.	64.	61.	58.	56.
				TIME	14.00	14.00	14.00	14.00	14.08	14.08

2 COMBINED AT

+	CP GV1	4.03	1	FLOW	115.	111.	108.	104.	101.	97.
				TIME	12.67	12.67	12.67	12.67	12.67	12.67

ROUTED TO

+	RT GV2	4.03	1	FLOW	119.	115.	112.	109.	106.	104.
				TIME	12.75	12.83	12.83	12.83	12.83	12.83

HYDROGRAPH AT

+	GV2	0.58	1	FLOW TIME	18. 12.83	17. 12.83	16. 12.83	15. 12.83	14. 12.83	13. 12.92	
	BINED AT										
+	CP GV3	9.08	1	FLOW TIME	229. 12.75	222. 12.75	215. 12.75	207. 12.75	200. 12.75	193. 12.75	
	ROUTED TO										
+	RT LD2	9.08	1	FLOW TIME	233. 12.92	226. 12.92	218. 12.92	209. 12.92	201. 12.92	192. 12.92	
	HYDROGRAPH AT										
+	LD2	0.21	1	FLOW TIME	6. 12.58	6. 12.67	5. 12.67	5. 12.67	5. 12.67	4. 12.67	
	2 COMBINED AT										
+	CP LD2	9.29	1	FLOW TIME	238. 12.92	231. 12.92	223. 12.92	214. 12.92	205. 12.92	196. 12.92	
	ROUTED TO										
+	RT D3A	9.29	1	FLOW TIME	232. 13.33	223. 13.33	210. 13.42	206. 13.42	202. 13.42	197. 13.42	
	HYDROGRAPH AT										
+	BER	0.59	1	FLOW TIME	20. 13.00	19. 13.00	18. 13.00	18. 13.00	17. 13.08	16. 13.08	
	ROUTED TO										
+	RT PAT	0.59	1	FLOW TIME	20. 13.25	19. 13.25	18. 13.33	17. 13.33	17. 13.33	16. 13.33	
	HYDROGRAPH AT										
+	PAT	1.02	1	FLOW TIME	20. 13.83	19. 13.92	19. 13.92	18. 14.00	17. 14.00	16. 14.08	
	2 COMBINED AT										
+	CP PAT	1.61	1	FLOW TIME	39. 13.50	37. 13.50	35. 13.50	34. 13.58	32. 13.58	31. 13.67	
	2 COMBINED AT										
+	CP LEM	10.90	1	FLOW TIME	270. 13.33	260. 13.33	245. 13.42	240. 13.42	234. 13.42	227. 13.42	
	2 COMBINED AT										
+	CB LLK	18.50	1	FLOW TIME	669. 13.42	651. 13.42	636. 13.42	615. 13.42	593. 13.42	571. 13.42	
	HYDROGRAPH AT										
+	LV5	2.56	1	FLOW TIME	22. 15.58	21. 15.67	20. 15.67	19. 15.67	18. 15.75	17. 15.75	
	ROUTED TO										
+	RT LV3	2.56	1	FLOW TIME	22. 16.33	21. 16.33	20. 16.42	19. 16.42	18. 16.50	17. 16.50	
	HYDROGRAPH AT										
+	LV3	2.50	1	FLOW TIME	70. 13.50	67. 13.50	64. 13.50	61. 13.50	58. 13.50	56. 13.58	
	2 COMBINED AT										

+ CP LV3 5.06 1 FLOW 70. 68. 65. 62. 60. 57.
 TIME 15.17 15.17 15.17 15.25 15.25 15.33

HYDROGRAPH AT

+ LV4 5.22 1 FLOW 81. 78. 74. 71. 69. 66.
 TIME 14.67 14.75 14.83 14.83 14.92 15.00

ROUTED TO

+ RT LV2 5.22 1 FLOW 81. 77. 74. 71. 69. 66.
 TIME 15.75 15.75 15.83 15.92 15.92 16.00

HYDROGRAPH AT

+ LV2 7.02 1 FLOW 142. 137. 131. 126. 121. 116.
 TIME 14.75 14.92 14.92 15.00 15.08 15.08

2 COMBINED AT

+ CP LV2 12.24 1 FLOW 219. 211. 202. 194. 186. 179.
 TIME 15.25 15.33 15.33 15.42 15.50 15.58

HYDROGRAPH AT

+ LV1 0.85 1 FLOW 66. 63. 61. 58. 56. 54.
 TIME 12.58 12.58 12.58 12.58 12.67 12.67

ROUTED TO

+ RT LLK 0.85 1 FLOW 66. 63. 61. 58. 56. 54.
 TIME 12.67 12.67 12.67 12.67 12.67 12.67

HYDROGRAPH AT

+ LLK 3.34 1 FLOW 958. 939. 921. 902. 884. 865.
 TIME 12.42 12.42 12.42 12.42 12.42 12.42

5 COMBINED AT

+ CP LLK 39.99 1 FLOW 1168. 1140. 1114. 1089. 1062. 1037.
 TIME 12.42 12.42 12.42 12.42 12.42 12.42

ROUTED TO

+ LLWSE 39.99 1 FLOW 0. 0. 0. 0. 0. 0.
 TIME 0.08 0.08 0.08 0.08 0.08 0.08

** PEAK STAGES IN FEET **

1 STAGE 4913.22 4913.20 4913.18 4913.16 4913.14 4913.13
 TIME 43.33 40.08 78.25 39.83 98.42 43.67

SUMMARY OF KINEMATIC WAVE - MUSKINGUM-CUNGE ROUTING

(FLOW IS DIRECT RUNOFF WITHOUT BASE FLOW)

INTERPOLATED TO
 COMPUTATION INTERVAL

ISTAQ	ELEMENT	DT	PEAK	TIME TO	VOLUME	DT	PEAK	TIME TO	VOLUME
		(MIN)	(CFS)	PEAK	(IN)	(MIN)	(CFS)	PEAK	(IN)

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 1075.59 920.00 0.53 5.00 1075.59 920.00 0.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5595E+03 EXCESS=0.0000E+00 OUTFLOW=0.5596E+03 BASIN STORAGE=0.1774E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 1046.36 925.00 0.52 5.00 1046.36 925.00 0.52

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5463E+03 EXCESS=0.0000E+00 OUTFLOW=0.5464E+03 BASIN STORAGE=0.1758E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 1017.70 925.00 0.50 5.00 1017.70 925.00 0.50

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5332E+03 EXCESS=0.0000E+00 OUTFLOW=0.5333E+03 BASIN STORAGE=0.1626E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 989.25 925.00 0.49 5.00 989.25 925.00 0.49

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5202E+03 EXCESS=0.0000E+00 OUTFLOW=0.5202E+03 BASIN STORAGE=0.1610E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 961.00 925.00 0.48 5.00 961.00 925.00 0.48

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5073E+03 EXCESS=0.0000E+00 OUTFLOW=0.5074E+03 BASIN STORAGE=0.1595E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4A MANE 5.00 932.97 925.00 0.47 5.00 932.97 925.00 0.47

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4945E+03 EXCESS=0.0000E+00 OUTFLOW=0.4946E+03 BASIN STORAGE=0.1538E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 4.88 438.80 844.33 0.81 5.00 438.64 845.00 0.81

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1829E+03 EXCESS=0.0000E+00 OUTFLOW=0.1829E+03 BASIN STORAGE=0.1254E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 4.91 429.07 844.39 0.79 5.00 428.94 845.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1792E+03 EXCESS=0.0000E+00 OUTFLOW=0.1792E+03 BASIN STORAGE=0.1549E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 4.94 419.40 844.51 0.78 5.00 419.31 845.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1756E+03 EXCESS=0.0000E+00 OUTFLOW=0.1756E+03 BASIN STORAGE=0.1356E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 4.97 409.80 844.70 0.76 5.00 409.74 845.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1719E+03 EXCESS=0.0000E+00 OUTFLOW=0.1719E+03 BASIN STORAGE=0.1647E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 5.00 400.25 844.94 0.75 5.00 400.24 845.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1683E+03 EXCESS=0.0000E+00 OUTFLOW=0.1683E+03 BASIN STORAGE=0.1473E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4B MANE 5.00 390.76 845.00 0.73 5.00 390.76 845.00 0.73

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1647E+03 EXCESS=0.0000E+00 OUTFLOW=0.1647E+03 BASIN STORAGE=0.1389E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 5.00 438.77 850.00 0.81 5.00 438.77 850.00 0.81

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1829E+03 EXCESS=0.0000E+00 OUTFLOW=0.1829E+03 BASIN STORAGE=0.2072E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 5.00 429.05 850.00 0.79 5.00 429.05 850.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1793E+03 EXCESS=0.0000E+00 OUTFLOW=0.1793E+03 BASIN STORAGE=0.2022E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 5.00 419.41 850.00 0.78 5.00 419.41 850.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1756E+03 EXCESS=0.0000E+00 OUTFLOW=0.1756E+03 BASIN STORAGE=0.2693E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 5.00 409.84 850.00 0.76 5.00 409.84 850.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1720E+03 EXCESS=0.0000E+00 OUTFLOW=0.1720E+03 BASIN STORAGE=0.2667E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 5.00 400.34 850.00 0.75 5.00 400.34 850.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1683E+03 EXCESS=0.0000E+00 OUTFLOW=0.1683E+03 BASIN STORAGE=0.2660E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K4C MANE 5.00 390.84 850.00 0.73 5.00 390.84 850.00 0.73

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1647E+03 EXCESS=0.0000E+00 OUTFLOW=0.1647E+03 BASIN STORAGE=0.2593E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3 MANE 5.00 1691.06 930.00 0.56 5.00 1691.06 930.00 0.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9054E+03 EXCESS=0.0000E+00 OUTFLOW=0.9053E+03 BASIN STORAGE=0.1265E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	1646.33	935.00	0.55	5.00	1646.33	935.00	0.55
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8846E+03 EXCESS=0.0000E+00 OUTFLOW=0.8845E+03 BASIN STORAGE=0.1255E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	1601.88	935.00	0.53	5.00	1601.88	935.00	0.53
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8639E+03 EXCESS=0.0000E+00 OUTFLOW=0.8638E+03 BASIN STORAGE=0.1779E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	1557.69	935.00	0.52	5.00	1557.69	935.00	0.52
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8433E+03 EXCESS=0.0000E+00 OUTFLOW=0.8432E+03 BASIN STORAGE=0.1720E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	1513.77	935.00	0.51	5.00	1513.77	935.00	0.51
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8229E+03 EXCESS=0.0000E+00 OUTFLOW=0.8229E+03 BASIN STORAGE=0.1682E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SK3	MANE	5.00	1470.85	940.00	0.50	5.00	1470.85	940.00	0.50
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8027E+03 EXCESS=0.0000E+00 OUTFLOW=0.8027E+03 BASIN STORAGE=0.1637E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A	MANE	5.00	2190.94	935.00	0.60	5.00	2190.94	935.00	0.60
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1216E+04 EXCESS=0.0000E+00 OUTFLOW=0.1216E+04 BASIN STORAGE=0.8424E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A	MANE	5.00	2133.85	935.00	0.58	5.00	2133.85	935.00	0.58
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1189E+04 EXCESS=0.0000E+00 OUTFLOW=0.1189E+04 BASIN STORAGE=0.8358E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A	MANE	5.00	2077.06	935.00	0.57	5.00	2077.06	935.00	0.57
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1162E+04 EXCESS=0.0000E+00 OUTFLOW=0.1162E+04 BASIN STORAGE=0.8115E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A	MANE	5.00	2020.60	935.00	0.56	5.00	2020.60	935.00	0.56
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1136E+04 EXCESS=0.0000E+00 OUTFLOW=0.1135E+04 BASIN STORAGE=0.7636E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A	MANE	5.00	1965.27	940.00	0.55	5.00	1965.27	940.00	0.55
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1109E+04 EXCESS=0.0000E+00 OUTFLOW=0.1109E+04 BASIN STORAGE=0.7525E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2A	MANE	5.00	1910.51	940.00	0.53	5.00	1910.51	940.00	0.53
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1083E+04 EXCESS=0.0000E+00 OUTFLOW=0.1083E+04 BASIN STORAGE=0.7381E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS2	MANE	4.19	35.36	829.33	-1.00	5.00	35.33	830.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SS2	MANE	4.24	33.80	831.06	-1.00	5.00	33.79	830.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SS2	MANE	4.29	32.33	828.68	-1.00	5.00	32.32	830.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SS2	MANE	4.35	30.89	830.75	-1.00	5.00	30.86	830.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SS2	MANE	4.41	29.47	832.72	-1.00	5.00	29.44	835.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT SS2	MANE	4.46	28.11	834.86	-1.00	5.00	28.11	835.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R3D	MANE	3.31	59.66	830.50	6.69	5.00	59.65	830.00	6.69
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3565E+02 EXCESS=0.0000E+00 OUTFLOW=0.3566E+02 BASIN STORAGE=0.8685E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 3.34 57.59 832.87 6.51 5.00 57.55 830.00 6.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3471E+02 EXCESS=0.0000E+00 OUTFLOW=0.3471E+02 BASIN STORAGE=0.8827E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 3.38 55.59 831.79 6.33 5.00 55.54 830.00 6.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3377E+02 EXCESS=0.0000E+00 OUTFLOW=0.3377E+02 BASIN STORAGE=0.7707E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 3.42 53.62 834.25 6.16 5.00 53.61 835.00 6.16

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3283E+02 EXCESS=0.0000E+00 OUTFLOW=0.3283E+02 BASIN STORAGE=0.7867E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 3.46 51.69 833.42 5.98 5.00 51.68 835.00 5.98

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3190E+02 EXCESS=0.0000E+00 OUTFLOW=0.3190E+02 BASIN STORAGE=0.7965E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3D MANE 3.50 49.82 835.77 5.81 5.00 49.81 835.00 5.81

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3097E+02 EXCESS=0.0000E+00 OUTFLOW=0.3097E+02 BASIN STORAGE=0.8398E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E MANE 1.69 52.77 802.06 0.15 5.00 52.69 805.00 0.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2632E+02 EXCESS=0.0000E+00 OUTFLOW=0.2632E+02 BASIN STORAGE=0.4103E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E MANE 1.72 50.37 804.87 0.15 5.00 50.37 805.00 0.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2552E+02 EXCESS=0.0000E+00 OUTFLOW=0.2552E+02 BASIN STORAGE=0.4057E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E MANE 1.74 48.13 802.49 0.14 5.00 48.09 805.00 0.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2473E+02 EXCESS=0.0000E+00 OUTFLOW=0.2473E+02 BASIN STORAGE=0.4038E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E MANE 1.77 45.87 803.65 0.14 5.00 45.86 805.00 0.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2396E+02 EXCESS=0.0000E+00 OUTFLOW=0.2396E+02 BASIN STORAGE=0.3983E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.79	43.72	806.65	0.14	5.00	43.68	805.00	0.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2319E+02 EXCESS=0.0000E+00 OUTFLOW=0.2319E+02 BASIN STORAGE=0.3877E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4E	MANE	1.82	41.59	806.28	0.13	5.00	41.55	805.00	0.13
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2243E+02 EXCESS=0.0000E+00 OUTFLOW=0.2243E+02 BASIN STORAGE=0.4156E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	4.50	31.95	778.50	-1.00	5.00	31.93	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	4.25	30.83	777.75	-1.00	5.00	30.73	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	4.25	29.70	777.75	-1.00	5.00	29.57	775.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	4.25	28.58	777.75	-1.00	5.00	28.43	780.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	4.00	27.43	776.00	-1.00	5.00	27.32	780.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4A	MANE	4.00	26.30	776.00	-1.00	5.00	26.26	780.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	3.75	16.90	765.00	-1.00	5.00	16.90	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	3.50	16.21	766.50	-1.00	5.00	16.16	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C	MANE	3.50	15.53	766.50	-1.00	5.00	15.49	765.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT R4C MANE 3.25 14.92 767.00 -1.00 5.00 14.84 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4C MANE 3.25 14.27 767.00 -1.00 5.00 14.18 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4C MANE 3.00 13.58 768.00 -1.00 5.00 13.56 765.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 2.02 60.51 798.29 -1.00 5.00 60.41 795.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 2.04 58.42 798.81 -1.00 5.00 58.33 800.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 2.07 56.37 797.40 -1.00 5.00 56.31 800.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 2.09 54.34 798.18 -1.00 5.00 54.28 800.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 2.11 52.34 799.07 -1.00 5.00 52.30 800.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R4D MANE 2.14 50.34 799.89 -1.00 5.00 50.34 800.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 4.66 177.81 792.60 0.41 5.00 177.81 790.00 0.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7829E+02 EXCESS=0.0000E+00 OUTFLOW=0.7830E+02 BASIN STORAGE=0.1522E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 4.72 171.36 792.24 0.40 5.00 171.16 790.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7615E+02 EXCESS=0.0000E+00 OUTFLOW=0.7616E+02 BASIN STORAGE=0.1458E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 4.77 164.81 791.94 0.38 5.00 164.54 790.00 0.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7404E+02 EXCESS=0.0000E+00 OUTFLOW=0.7404E+02 BASIN STORAGE=0.1379E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 4.83 158.35 791.55 0.37 5.00 158.11 795.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7195E+02 EXCESS=0.0000E+00 OUTFLOW=0.7196E+02 BASIN STORAGE=0.1777E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 4.88 151.96 791.32 0.36 5.00 151.87 795.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6989E+02 EXCESS=0.0000E+00 OUTFLOW=0.6990E+02 BASIN STORAGE=0.1662E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3A MANE 4.94 145.75 796.12 0.35 5.00 145.73 795.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6785E+02 EXCESS=0.0000E+00 OUTFLOW=0.6786E+02 BASIN STORAGE=0.1493E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.00 8.02 843.00 -1.00 5.00 8.01 840.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 3.00 7.29 843.00 -1.00 5.00 7.29 845.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 2.75 6.59 844.25 -1.00 5.00 6.59 845.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 2.75 5.90 847.00 -1.00 5.00 5.89 845.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 2.75 5.23 849.75 -1.00 5.00 5.22 850.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT R3B MANE 2.75 4.57 852.50 -1.00 5.00 4.57 850.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT SLB MANE 5.00 235.68 810.00 0.37 5.00 235.68 810.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1175E+03 EXCESS=0.0000E+00 OUTFLOW=0.1175E+03 BASIN STORAGE=0.2641E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	5.00	226.25	815.00	0.36	5.00	226.25	815.00	0.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1142E+03 EXCESS=0.0000E+00 OUTFLOW=0.1142E+03 BASIN STORAGE=0.2606E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	5.00	217.44	815.00	0.35	5.00	217.44	815.00	0.35
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1109E+03 EXCESS=0.0000E+00 OUTFLOW=0.1109E+03 BASIN STORAGE=0.2591E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	5.00	208.25	815.00	0.34	5.00	208.25	815.00	0.34
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1076E+03 EXCESS=0.0000E+00 OUTFLOW=0.1077E+03 BASIN STORAGE=0.2565E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	5.00	199.30	815.00	0.33	5.00	199.30	815.00	0.33
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1044E+03 EXCESS=0.0000E+00 OUTFLOW=0.1045E+03 BASIN STORAGE=0.2541E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLB	MANE	5.00	191.16	810.00	0.32	5.00	191.16	810.00	0.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1013E+03 EXCESS=0.0000E+00 OUTFLOW=0.1013E+03 BASIN STORAGE=0.2518E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	5.00	16.16	755.00	0.60	5.00	16.16	755.00	0.60
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3193E+01 EXCESS=0.0000E+00 OUTFLOW=0.3193E+01 BASIN STORAGE=0.1039E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	5.00	15.72	755.00	0.59	5.00	15.72	755.00	0.59
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3120E+01 EXCESS=0.0000E+00 OUTFLOW=0.3121E+01 BASIN STORAGE=0.1027E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SLA	MANE	5.00	15.28	755.00	0.57	5.00	15.28	755.00	0.57
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3048E+01 EXCESS=0.0000E+00 OUTFLOW=0.3048E+01 BASIN STORAGE=0.1015E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SLA MANE 5.00 14.84 755.00 0.56 5.00 14.84 755.00 0.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2976E+01 EXCESS=0.0000E+00 OUTFLOW=0.2977E+01 BASIN STORAGE=0.1003E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SLA MANE 5.00 14.41 755.00 0.54 5.00 14.41 755.00 0.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2905E+01 EXCESS=0.0000E+00 OUTFLOW=0.2905E+01 BASIN STORAGE=0.9903E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SLA MANE 5.00 13.98 755.00 0.53 5.00 13.98 755.00 0.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2834E+01 EXCESS=0.0000E+00 OUTFLOW=0.2835E+01 BASIN STORAGE=0.9780E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 2.00 19.46 758.00 0.30 5.00 19.38 755.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6561E+01 EXCESS=0.0000E+00 OUTFLOW=0.6561E+01 BASIN STORAGE=0.3632E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 2.00 18.45 758.00 0.29 5.00 18.38 760.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6362E+01 EXCESS=0.0000E+00 OUTFLOW=0.6362E+01 BASIN STORAGE=0.3548E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 2.00 17.46 758.00 0.28 5.00 17.43 760.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6165E+01 EXCESS=0.0000E+00 OUTFLOW=0.6165E+01 BASIN STORAGE=0.3457E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 2.00 16.49 760.00 0.27 5.00 16.49 760.00 0.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5970E+01 EXCESS=0.0000E+00 OUTFLOW=0.5970E+01 BASIN STORAGE=0.3402E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 2.00 15.58 760.00 0.26 5.00 15.58 760.00 0.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5778E+01 EXCESS=0.0000E+00 OUTFLOW=0.5778E+01 BASIN STORAGE=0.3819E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS1 MANE 2.00 14.68 760.00 0.26 5.00 14.68 760.00 0.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5588E+01 EXCESS=0.0000E+00 OUTFLOW=0.5588E+01 BASIN STORAGE=0.3756E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	22.89	760.00	0.32	5.00	22.89	760.00	0.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7545E+01 EXCESS=0.0000E+00 OUTFLOW=0.7546E+01 BASIN STORAGE=0.1488E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	21.79	765.00	0.31	5.00	21.79	765.00	0.31
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7325E+01 EXCESS=0.0000E+00 OUTFLOW=0.7326E+01 BASIN STORAGE=0.1467E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	20.72	765.00	0.30	5.00	20.72	765.00	0.30
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7107E+01 EXCESS=0.0000E+00 OUTFLOW=0.7108E+01 BASIN STORAGE=0.1446E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	19.68	765.00	0.29	5.00	19.68	765.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6891E+01 EXCESS=0.0000E+00 OUTFLOW=0.6892E+01 BASIN STORAGE=0.1408E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	18.64	765.00	0.28	5.00	18.64	765.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6678E+01 EXCESS=0.0000E+00 OUTFLOW=0.6679E+01 BASIN STORAGE=0.1387E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SS3	MANE	5.00	17.63	765.00	0.28	5.00	17.63	765.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6468E+01 EXCESS=0.0000E+00 OUTFLOW=0.6469E+01 BASIN STORAGE=0.1367E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A	MANE	5.00	12.72	745.00	0.85	5.00	12.72	745.00	0.85
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1822E+01 EXCESS=0.0000E+00 OUTFLOW=0.1821E+01 BASIN STORAGE=0.4660E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A	MANE	5.00	12.46	745.00	0.84	5.00	12.46	745.00	0.84
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1787E+01 EXCESS=0.0000E+00 OUTFLOW=0.1787E+01 BASIN STORAGE=0.4608E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 5.00 12.20 745.00 0.82 5.00 12.20 745.00 0.82

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1752E+01 EXCESS=0.0000E+00 OUTFLOW=0.1752E+01 BASIN STORAGE=0.4556E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 5.00 11.94 745.00 0.81 5.00 11.94 745.00 0.81

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1718E+01 EXCESS=0.0000E+00 OUTFLOW=0.1718E+01 BASIN STORAGE=0.4503E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 5.00 11.69 745.00 0.79 5.00 11.69 745.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1684E+01 EXCESS=0.0000E+00 OUTFLOW=0.1684E+01 BASIN STORAGE=0.4451E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3A MANE 5.00 11.43 745.00 0.77 5.00 11.43 745.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1650E+01 EXCESS=0.0000E+00 OUTFLOW=0.1650E+01 BASIN STORAGE=0.4398E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 3.75 25.07 757.50 0.80 5.00 24.95 755.00 0.80

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5114E+01 EXCESS=0.0000E+00 OUTFLOW=0.5114E+01 BASIN STORAGE=0.6161E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 3.50 24.62 756.00 0.78 5.00 24.55 755.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5012E+01 EXCESS=0.0000E+00 OUTFLOW=0.5013E+01 BASIN STORAGE=0.6061E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 3.50 24.26 756.00 0.77 5.00 24.19 755.00 0.77

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4911E+01 EXCESS=0.0000E+00 OUTFLOW=0.4912E+01 BASIN STORAGE=0.6000E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 3.25 24.03 757.25 0.75 5.00 23.81 755.00 0.75

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4810E+01 EXCESS=0.0000E+00 OUTFLOW=0.4810E+01 BASIN STORAGE=0.5253E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 3.25 23.69 757.25 0.74 5.00 23.47 755.00 0.74

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4710E+01 EXCESS=0.0000E+00 OUTFLOW=0.4710E+01 BASIN STORAGE=0.5199E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L3B MANE 3.25 23.35 757.25 0.72 5.00 23.13 755.00 0.72

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4610E+01 EXCESS=0.0000E+00 OUTFLOW=0.4611E+01 BASIN STORAGE=0.5145E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3 MANE 2.06 39.56 743.22 0.86 5.00 39.02 745.00 0.86

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7838E+01 EXCESS=0.0000E+00 OUTFLOW=0.7838E+01 BASIN STORAGE=0.3180E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3 MANE 2.07 38.84 742.33 0.85 5.00 38.50 745.00 0.85

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7689E+01 EXCESS=0.0000E+00 OUTFLOW=0.7689E+01 BASIN STORAGE=0.3444E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3 MANE 2.08 38.31 743.52 0.83 5.00 37.81 745.00 0.83

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7540E+01 EXCESS=0.0000E+00 OUTFLOW=0.7540E+01 BASIN STORAGE=0.3294E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3 MANE 2.09 37.66 742.88 0.82 5.00 37.37 745.00 0.82

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7393E+01 EXCESS=0.0000E+00 OUTFLOW=0.7393E+01 BASIN STORAGE=0.3110E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3 MANE 2.10 37.10 744.13 0.80 5.00 36.78 745.00 0.80

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7245E+01 EXCESS=0.0000E+00 OUTFLOW=0.7245E+01 BASIN STORAGE=0.3470E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GC3 MANE 2.11 36.50 743.37 0.78 5.00 36.10 745.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7098E+01 EXCESS=0.0000E+00 OUTFLOW=0.7098E+01 BASIN STORAGE=0.3200E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 1.04 19.50 745.72 0.34 5.00 19.44 745.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4555E+01 EXCESS=0.0000E+00 OUTFLOW=0.4555E+01 BASIN STORAGE=0.7394E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 1.05 18.57 745.36 0.33 5.00 18.53 745.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4425E+01 EXCESS=0.0000E+00 OUTFLOW=0.4425E+01 BASIN STORAGE=0.7561E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 1.06 17.74 746.22 0.32 5.00 17.65 745.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4296E+01 EXCESS=0.0000E+00 OUTFLOW=0.4296E+01 BASIN STORAGE=0.7567E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 1.07 16.88 746.19 0.31 5.00 16.78 745.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4169E+01 EXCESS=0.0000E+00 OUTFLOW=0.4169E+01 BASIN STORAGE=0.7333E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 1.08 16.02 746.36 0.30 5.00 15.92 745.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4043E+01 EXCESS=0.0000E+00 OUTFLOW=0.4043E+01 BASIN STORAGE=0.7521E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SL1 MANE 1.09 15.16 745.63 0.29 5.00 15.08 745.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3919E+01 EXCESS=0.0000E+00 OUTFLOW=0.3919E+01 BASIN STORAGE=0.7490E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 22.99 750.00 0.37 5.00 22.99 750.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5303E+01 EXCESS=0.0000E+00 OUTFLOW=0.5309E+01 BASIN STORAGE=0.2038E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 21.81 750.00 0.36 5.00 21.81 750.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5157E+01 EXCESS=0.0000E+00 OUTFLOW=0.5163E+01 BASIN STORAGE=0.2011E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 20.68 755.00 0.35 5.00 20.68 755.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5013E+01 EXCESS=0.0000E+00 OUTFLOW=0.5019E+01 BASIN STORAGE=0.1963E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 19.79 755.00 0.34 5.00 19.79 755.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4870E+01 EXCESS=0.0000E+00 OUTFLOW=0.4876E+01 BASIN STORAGE=0.1937E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 18.92 755.00 0.33 5.00 18.92 755.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4729E+01 EXCESS=0.0000E+00 OUTFLOW=0.4735E+01 BASIN STORAGE=0.1916E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2A MANE 5.00 18.44 755.00 0.32 5.00 18.44 755.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4590E+01 EXCESS=0.0000E+00 OUTFLOW=0.4595E+01 BASIN STORAGE=0.1931E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 5.00 26.34 760.00 0.37 5.00 26.34 760.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5309E+01 EXCESS=0.0000E+00 OUTFLOW=0.5315E+01 BASIN STORAGE=0.2212E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 5.00 25.06 760.00 0.36 5.00 25.06 760.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5163E+01 EXCESS=0.0000E+00 OUTFLOW=0.5169E+01 BASIN STORAGE=0.2189E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 5.00 23.68 760.00 0.35 5.00 23.68 760.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5019E+01 EXCESS=0.0000E+00 OUTFLOW=0.5025E+01 BASIN STORAGE=0.2159E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 5.00 21.74 760.00 0.34 5.00 21.74 760.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4876E+01 EXCESS=0.0000E+00 OUTFLOW=0.4883E+01 BASIN STORAGE=0.2227E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 5.00 20.48 765.00 0.33 5.00 20.48 765.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4735E+01 EXCESS=0.0000E+00 OUTFLOW=0.4741E+01 BASIN STORAGE=0.2209E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C2B MANE 5.00 20.12 765.00 0.32 5.00 20.12 765.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4595E+01 EXCESS=0.0000E+00 OUTFLOW=0.4601E+01 BASIN STORAGE=0.2168E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT LEA MANE 2.00 7.58 743.89 0.33 5.00 7.53 745.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1755E+01 EXCESS=0.0000E+00 OUTFLOW=0.1755E+01 BASIN STORAGE=0.1881E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.75	7.18	743.75	0.32	5.00	7.16	745.00	0.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1704E+01 EXCESS=0.0000E+00 OUTFLOW=0.1704E+01 BASIN STORAGE=0.1857E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.75	6.84	747.25	0.31	5.00	6.81	745.00	0.31
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1654E+01 EXCESS=0.0000E+00 OUTFLOW=0.1654E+01 BASIN STORAGE=0.1828E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.75	6.51	747.25	0.30	5.00	6.46	745.00	0.30
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1605E+01 EXCESS=0.0000E+00 OUTFLOW=0.1605E+01 BASIN STORAGE=0.1799E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.75	6.18	747.25	0.29	5.00	6.12	745.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1556E+01 EXCESS=0.0000E+00 OUTFLOW=0.1556E+01 BASIN STORAGE=0.1760E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEA	MANE	1.75	5.86	747.25	0.28	5.00	5.79	745.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1507E+01 EXCESS=0.0000E+00 OUTFLOW=0.1507E+01 BASIN STORAGE=0.1962E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	1.01	7.49	745.84	0.33	5.00	7.41	745.00	0.33
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1755E+01 EXCESS=0.0000E+00 OUTFLOW=0.1755E+01 BASIN STORAGE=0.5919E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	1.02	7.14	746.13	0.32	5.00	7.04	745.00	0.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1704E+01 EXCESS=0.0000E+00 OUTFLOW=0.1704E+01 BASIN STORAGE=0.6207E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC	MANE	1.03	6.78	746.47	0.31	5.00	6.68	745.00	0.31
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1654E+01 EXCESS=0.0000E+00 OUTFLOW=0.1654E+01 BASIN STORAGE=0.5714E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC MANE 1.04 6.44 745.96 0.30 5.00 6.34 745.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1605E+01 EXCESS=0.0000E+00 OUTFLOW=0.1605E+01 BASIN STORAGE=0.6065E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC MANE 1.05 6.10 746.68 0.29 5.00 6.00 745.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1556E+01 EXCESS=0.0000E+00 OUTFLOW=0.1556E+01 BASIN STORAGE=0.6200E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LEC MANE 1.07 5.78 746.59 0.28 5.00 5.66 745.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1507E+01 EXCESS=0.0000E+00 OUTFLOW=0.1507E+01 BASIN STORAGE=0.6114E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 2.50 7.80 757.50 0.33 5.00 7.02 760.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1755E+01 EXCESS=0.0000E+00 OUTFLOW=0.1757E+01 BASIN STORAGE=0.1450E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 2.25 7.21 756.00 0.32 5.00 6.82 760.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1705E+01 EXCESS=0.0000E+00 OUTFLOW=0.1707E+01 BASIN STORAGE=0.1404E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 2.25 6.87 758.25 0.31 5.00 6.45 760.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1655E+01 EXCESS=0.0000E+00 OUTFLOW=0.1657E+01 BASIN STORAGE=0.1385E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 2.25 6.71 758.25 0.30 5.00 6.12 760.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1605E+01 EXCESS=0.0000E+00 OUTFLOW=0.1607E+01 BASIN STORAGE=0.1361E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 2.25 6.46 758.25 0.29 5.00 5.85 760.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1556E+01 EXCESS=0.0000E+00 OUTFLOW=0.1558E+01 BASIN STORAGE=0.1329E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C1A MANE 2.25 6.10 758.25 0.28 5.00 5.62 760.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1508E+01 EXCESS=0.0000E+00 OUTFLOW=0.1510E+01 BASIN STORAGE=0.1304E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	2.25	48.61	837.96	0.37	5.00	48.58	840.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2478E+02 EXCESS=0.0000E+00 OUTFLOW=0.2478E+02 BASIN STORAGE=0.3882E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	2.27	46.85	839.81	0.36	5.00	46.84	840.00	0.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2409E+02 EXCESS=0.0000E+00 OUTFLOW=0.2409E+02 BASIN STORAGE=0.3726E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	2.29	45.13	839.51	0.35	5.00	45.11	840.00	0.35
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2341E+02 EXCESS=0.0000E+00 OUTFLOW=0.2341E+02 BASIN STORAGE=0.3914E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	2.32	43.41	839.14	0.34	5.00	43.40	840.00	0.34
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2273E+02 EXCESS=0.0000E+00 OUTFLOW=0.2273E+02 BASIN STORAGE=0.3751E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	2.34	41.72	838.88	0.33	5.00	41.72	840.00	0.33
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2206E+02 EXCESS=0.0000E+00 OUTFLOW=0.2206E+02 BASIN STORAGE=0.3923E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA4	MANE	2.37	40.08	841.11	0.32	5.00	40.06	840.00	0.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2140E+02 EXCESS=0.0000E+00 OUTFLOW=0.2140E+02 BASIN STORAGE=0.3694E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6	MANE	1.19	49.25	839.77	0.37	5.00	49.25	840.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2526E+02 EXCESS=0.0000E+00 OUTFLOW=0.2526E+02 BASIN STORAGE=0.2076E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6	MANE	1.20	47.48	839.80	0.36	5.00	47.48	840.00	0.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2456E+02 EXCESS=0.0000E+00 OUTFLOW=0.2456E+02 BASIN STORAGE=0.2031E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.22 45.74 841.21 0.35 5.00 45.74 840.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2386E+02 EXCESS=0.0000E+00 OUTFLOW=0.2386E+02 BASIN STORAGE=0.2063E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.23 44.01 841.60 0.34 5.00 44.00 840.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2317E+02 EXCESS=0.0000E+00 OUTFLOW=0.2317E+02 BASIN STORAGE=0.2059E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.24 42.32 840.83 0.33 5.00 42.29 840.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2249E+02 EXCESS=0.0000E+00 OUTFLOW=0.2249E+02 BASIN STORAGE=0.2038E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT PA6 MANE 1.26 40.66 841.44 0.32 5.00 40.62 840.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2181E+02 EXCESS=0.0000E+00 OUTFLOW=0.2181E+02 BASIN STORAGE=0.2003E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.31 49.52 840.24 0.37 5.00 49.52 840.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2546E+02 EXCESS=0.0000E+00 OUTFLOW=0.2546E+02 BASIN STORAGE=0.2269E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.33 47.75 840.76 0.36 5.00 47.73 840.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2475E+02 EXCESS=0.0000E+00 OUTFLOW=0.2475E+02 BASIN STORAGE=0.2270E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.34 46.00 841.44 0.35 5.00 45.98 840.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2405E+02 EXCESS=0.0000E+00 OUTFLOW=0.2405E+02 BASIN STORAGE=0.2216E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.36 44.26 840.99 0.34 5.00 44.22 840.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2335E+02 EXCESS=0.0000E+00 OUTFLOW=0.2335E+02 BASIN STORAGE=0.2262E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.37 42.55 841.98 0.33 5.00 42.51 845.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2267E+02 EXCESS=0.0000E+00 OUTFLOW=0.2267E+02 BASIN STORAGE=0.2291E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7B MANE 1.39 40.88 843.10 0.32 5.00 40.86 845.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2199E+02 EXCESS=0.0000E+00 OUTFLOW=0.2199E+02 BASIN STORAGE=0.2313E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.50 0.77 732.00 0.37 5.00 0.70 735.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9924E-01 EXCESS=0.0000E+00 OUTFLOW=0.9924E-01 BASIN STORAGE=0.9720E-04 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.50 0.73 733.50 0.36 5.00 0.68 735.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9654E-01 EXCESS=0.0000E+00 OUTFLOW=0.9655E-01 BASIN STORAGE=0.9571E-04 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.50 0.70 733.50 0.35 5.00 0.65 735.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9387E-01 EXCESS=0.0000E+00 OUTFLOW=0.9388E-01 BASIN STORAGE=0.9422E-04 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.25 0.69 732.50 0.34 5.00 0.62 735.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.9124E-01 EXCESS=0.0000E+00 OUTFLOW=0.9125E-01 BASIN STORAGE=0.9473E-04 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.25 0.66 732.50 0.33 5.00 0.59 735.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8863E-01 EXCESS=0.0000E+00 OUTFLOW=0.8864E-01 BASIN STORAGE=0.9335E-04 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT A7A MANE 1.25 0.63 732.50 0.32 5.00 0.56 735.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8604E-01 EXCESS=0.0000E+00 OUTFLOW=0.8605E-01 BASIN STORAGE=0.9198E-04 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.98 50.39 840.77 0.37 5.00 50.37 840.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2606E+02 EXCESS=0.0000E+00 OUTFLOW=0.2606E+02 BASIN STORAGE=0.8066E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.98 48.59 841.02 0.36 5.00 48.56 840.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2534E+02 EXCESS=0.0000E+00 OUTFLOW=0.2534E+02 BASIN STORAGE=0.8224E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 0.99 46.81 841.35 0.35 5.00 46.78 840.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2462E+02 EXCESS=0.0000E+00 OUTFLOW=0.2462E+02 BASIN STORAGE=0.8177E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 1.00 45.04 841.90 0.34 5.00 45.00 840.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2391E+02 EXCESS=0.0000E+00 OUTFLOW=0.2391E+02 BASIN STORAGE=0.8423E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 1.01 43.31 841.50 0.33 5.00 43.29 845.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2321E+02 EXCESS=0.0000E+00 OUTFLOW=0.2321E+02 BASIN STORAGE=0.8158E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDA MANE 1.01 41.62 844.13 0.32 5.00 41.62 845.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2252E+02 EXCESS=0.0000E+00 OUTFLOW=0.2252E+02 BASIN STORAGE=0.8427E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.34 50.34 843.19 0.37 5.00 50.30 840.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2606E+02 EXCESS=0.0000E+00 OUTFLOW=0.2606E+02 BASIN STORAGE=0.4394E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.37 48.54 842.32 0.36 5.00 48.52 845.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2534E+02 EXCESS=0.0000E+00 OUTFLOW=0.2534E+02 BASIN STORAGE=0.3955E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.39 46.78 843.93 0.35 5.00 46.75 845.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2462E+02 EXCESS=0.0000E+00 OUTFLOW=0.2462E+02 BASIN STORAGE=0.4388E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.42 45.00 843.39 0.34 5.00 45.00 845.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2391E+02 EXCESS=0.0000E+00 OUTFLOW=0.2391E+02 BASIN STORAGE=0.4275E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.44 43.30 845.20 0.33 5.00 43.29 845.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2321E+02 EXCESS=0.0000E+00 OUTFLOW=0.2321E+02 BASIN STORAGE=0.4199E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDB MANE 2.47 41.60 844.62 0.32 5.00 41.60 845.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2252E+02 EXCESS=0.0000E+00 OUTFLOW=0.2252E+02 BASIN STORAGE=0.4101E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 1.75 2.98 745.50 0.32 5.00 2.94 745.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6843E+00 EXCESS=0.0000E+00 OUTFLOW=0.6844E+00 BASIN STORAGE=0.3168E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 1.75 2.83 745.50 0.31 5.00 2.79 745.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6644E+00 EXCESS=0.0000E+00 OUTFLOW=0.6645E+00 BASIN STORAGE=0.3110E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 1.75 2.69 747.25 0.30 5.00 2.65 745.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6447E+00 EXCESS=0.0000E+00 OUTFLOW=0.6448E+00 BASIN STORAGE=0.3475E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 1.75 2.55 747.25 0.29 5.00 2.50 745.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6253E+00 EXCESS=0.0000E+00 OUTFLOW=0.6253E+00 BASIN STORAGE=0.3422E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 1.75 2.42 747.25 0.28 5.00 2.37 750.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6061E+00 EXCESS=0.0000E+00 OUTFLOW=0.6061E+00 BASIN STORAGE=0.3323E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT AWC MANE 1.50 2.27 747.00 0.28 5.00 2.27 750.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5870E+00 EXCESS=0.0000E+00 OUTFLOW=0.5871E+00 BASIN STORAGE=0.3131E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT AWD MANE 1.31 2.94 746.66 0.32 5.00 2.89 750.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6848E+00 EXCESS=0.0000E+00 OUTFLOW=0.6848E+00 BASIN STORAGE=0.6265E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	1.33	2.80	747.82	0.31	5.00	2.76	750.00	0.31
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6648E+00 EXCESS=0.0000E+00 OUTFLOW=0.6648E+00 BASIN STORAGE=0.6299E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	1.34	2.65	747.89	0.30	5.00	2.63	750.00	0.30
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6450E+00 EXCESS=0.0000E+00 OUTFLOW=0.6450E+00 BASIN STORAGE=0.6765E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	1.36	2.51	748.19	0.29	5.00	2.49	750.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6256E+00 EXCESS=0.0000E+00 OUTFLOW=0.6256E+00 BASIN STORAGE=0.6359E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	1.37	2.37	748.38	0.28	5.00	2.36	750.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6061E+00 EXCESS=0.0000E+00 OUTFLOW=0.6061E+00 BASIN STORAGE=0.6798E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWD	MANE	1.39	2.26	750.73	0.28	5.00	2.25	750.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5872E+00 EXCESS=0.0000E+00 OUTFLOW=0.5873E+00 BASIN STORAGE=0.6346E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE	MANE	1.92	12.21	811.80	0.30	5.00	12.19	810.00	0.30
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5693E+01 EXCESS=0.0000E+00 OUTFLOW=0.5693E+01 BASIN STORAGE=0.2092E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE	MANE	1.94	11.68	811.84	0.29	5.00	11.66	815.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5522E+01 EXCESS=0.0000E+00 OUTFLOW=0.5522E+01 BASIN STORAGE=0.2149E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE	MANE	1.97	11.17	813.99	0.28	5.00	11.16	815.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5353E+01 EXCESS=0.0000E+00 OUTFLOW=0.5353E+01 BASIN STORAGE=0.2188E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 1.99 10.66 814.22 0.27 5.00 10.66 815.00 0.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5185E+01 EXCESS=0.0000E+00 OUTFLOW=0.5185E+01 BASIN STORAGE=0.2098E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 2.02 10.17 816.41 0.26 5.00 10.17 815.00 0.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5020E+01 EXCESS=0.0000E+00 OUTFLOW=0.5020E+01 BASIN STORAGE=0.2141E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT AWE MANE 2.04 9.70 816.79 0.25 5.00 9.70 815.00 0.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4857E+01 EXCESS=0.0000E+00 OUTFLOW=0.4857E+01 BASIN STORAGE=0.2166E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 3.25 4.86 744.25 0.03 5.00 4.75 745.00 0.03

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7546E+00 EXCESS=0.0000E+00 OUTFLOW=0.7548E+00 BASIN STORAGE=0.7175E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 3.50 4.32 745.50 0.03 5.00 4.27 745.00 0.03

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7313E+00 EXCESS=0.0000E+00 OUTFLOW=0.7316E+00 BASIN STORAGE=0.7590E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 3.50 4.10 745.50 0.02 5.00 4.05 745.00 0.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7121E+00 EXCESS=0.0000E+00 OUTFLOW=0.7123E+00 BASIN STORAGE=0.7456E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 3.25 3.98 747.50 0.02 5.00 3.88 750.00 0.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6938E+00 EXCESS=0.0000E+00 OUTFLOW=0.6940E+00 BASIN STORAGE=0.6796E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 3.00 3.82 747.00 0.02 5.00 3.77 750.00 0.02

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6759E+00 EXCESS=0.0000E+00 OUTFLOW=0.6761E+00 BASIN STORAGE=0.6949E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDC MANE 3.00 3.68 747.00 0.02 5.00 3.64 750.00 0.02

FOR PLAN = 1 RATIO= 0.00
 RT AWG MANE 1.81 12.19 812.32 -1.00 5.00 12.18 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT AWG MANE 1.82 11.66 812.27 -1.00 5.00 11.66 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT AWG MANE 1.84 11.15 817.65 -1.00 5.00 11.15 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT AWG MANE 1.85 10.66 817.70 -1.00 5.00 10.65 815.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT AWG MANE 1.87 10.17 817.90 -1.00 5.00 10.16 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT AWG MANE 1.89 9.70 818.27 -1.00 5.00 9.69 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT 11A MANE 4.59 27.71 738.97 -1.00 5.00 27.16 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT 11A MANE 4.60 27.36 739.94 -1.00 5.00 27.32 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT 11A MANE 4.63 25.59 741.48 -1.00 5.00 25.34 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT 11A MANE 4.50 25.02 738.00 -1.00 5.00 24.62 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT 11A MANE 4.50 24.21 738.00 -1.00 5.00 23.84 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT I1A MANE 4.25 24.14 739.50 -1.00 5.00 23.92 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT S12 MANE 2.58 26.42 741.17 -1.00 5.00 25.97 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT S12 MANE 2.58 26.69 742.34 -1.00 5.00 26.00 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT S12 MANE 2.64 24.77 742.05 -1.00 5.00 24.45 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT S12 MANE 2.67 23.96 743.73 -1.00 5.00 23.50 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT S12 MANE 2.69 23.21 743.35 -1.00 5.00 22.85 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT S12 MANE 2.69 23.41 742.54 -1.00 5.00 22.91 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T1A MANE 1.25 4.13 742.50 0.94 5.00 4.00 745.00 0.94

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5014E+00 EXCESS=0.0000E+00 OUTFLOW=0.5013E+00 BASIN STORAGE=0.1469E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A MANE 0.75 4.11 742.50 0.87 5.00 4.07 745.00 0.87

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4647E+00 EXCESS=0.0000E+00 OUTFLOW=0.4646E+00 BASIN STORAGE=0.1227E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A MANE 1.25 3.67 743.75 0.79 5.00 3.64 745.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4201E+00 EXCESS=0.0000E+00 OUTFLOW=0.4201E+00 BASIN STORAGE=0.1253E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A MANE 0.75 3.48 743.25 0.71 5.00 3.45 745.00 0.71

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3794E+00 EXCESS=0.0000E+00 OUTFLOW=0.3794E+00 BASIN STORAGE=0.1154E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A MANE 0.75 3.31 743.25 0.64 5.00 3.28 745.00 0.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3421E+00 EXCESS=0.0000E+00 OUTFLOW=0.3420E+00 BASIN STORAGE=0.1050E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T1A MANE 1.00 3.33 743.00 0.58 5.00 3.28 745.00 0.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3101E+00 EXCESS=0.0000E+00 OUTFLOW=0.3101E+00 BASIN STORAGE=0.1210E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SDD MANE 2.00 3.87 748.00 0.94 5.00 3.84 750.00 0.95

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5021E+00 EXCESS=0.0000E+00 OUTFLOW=0.5024E+00 BASIN STORAGE=0.4179E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDD MANE 1.25 4.00 748.75 0.87 5.00 3.97 750.00 0.88

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4652E+00 EXCESS=0.0000E+00 OUTFLOW=0.4653E+00 BASIN STORAGE=0.4687E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDD MANE 1.50 3.56 750.00 0.79 5.00 3.56 750.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4207E+00 EXCESS=0.0000E+00 OUTFLOW=0.4209E+00 BASIN STORAGE=0.4233E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SDD MANE 1.50 3.36 750.00 0.71 5.00 3.36 750.00 0.72

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3801E+00 EXCESS=0.0000E+00 OUTFLOW=0.3803E+00 BASIN STORAGE=0.4478E-03 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SDD MANE 1.50 3.20 750.00 0.64 5.00 3.20 750.00 0.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3426E+00 EXCESS=0.0000E+00 OUTFLOW=0.3428E+00 BASIN STORAGE=0.3842E-03 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SDD MANE 1.75 3.19 749.00 0.58 5.00 3.15 750.00 0.59

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3111E+00 EXCESS=0.0000E+00 OUTFLOW=0.3112E+00 BASIN STORAGE=0.4190E-03 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT C1C MANE 5.00 35.25 845.00 0.25 5.00 35.25 845.00 0.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2687E+02 EXCESS=0.0000E+00 OUTFLOW=0.2688E+02 BASIN STORAGE=0.3243E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C	MANE	5.00	34.76	845.00	0.24	5.00	34.76	845.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2648E+02 EXCESS=0.0000E+00 OUTFLOW=0.2648E+02 BASIN STORAGE=0.3225E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C	MANE	5.00	34.21	850.00	0.24	5.00	34.21	850.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2607E+02 EXCESS=0.0000E+00 OUTFLOW=0.2608E+02 BASIN STORAGE=0.3124E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C	MANE	5.00	33.67	850.00	0.24	5.00	33.67	850.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2568E+02 EXCESS=0.0000E+00 OUTFLOW=0.2568E+02 BASIN STORAGE=0.3108E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C	MANE	5.00	33.14	850.00	0.23	5.00	33.14	850.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2528E+02 EXCESS=0.0000E+00 OUTFLOW=0.2528E+02 BASIN STORAGE=0.3076E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C1C	MANE	5.00	32.62	850.00	0.23	5.00	32.62	850.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2487E+02 EXCESS=0.0000E+00 OUTFLOW=0.2488E+02 BASIN STORAGE=0.3052E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	4.80	88.02	753.13	0.29	5.00	86.31	750.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3713E+02 EXCESS=0.0000E+00 OUTFLOW=0.3713E+02 BASIN STORAGE=0.1675E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	4.85	86.04	751.85	0.29	5.00	83.76	755.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3648E+02 EXCESS=0.0000E+00 OUTFLOW=0.3648E+02 BASIN STORAGE=0.1579E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C	MANE	4.90	83.79	749.55	0.28	5.00	83.69	750.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3583E+02 EXCESS=0.0000E+00 OUTFLOW=0.3583E+02 BASIN STORAGE=0.1613E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C MANE 4.95 81.36 752.17 0.28 5.00 79.25 755.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3518E+02 EXCESS=0.0000E+00 OUTFLOW=0.3518E+02 BASIN STORAGE=0.1668E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C MANE 4.99 78.50 753.60 0.27 5.00 77.25 755.00 0.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3454E+02 EXCESS=0.0000E+00 OUTFLOW=0.3454E+02 BASIN STORAGE=0.1600E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2C MANE 5.00 78.01 750.00 0.27 5.00 78.01 750.00 0.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3390E+02 EXCESS=0.0000E+00 OUTFLOW=0.3390E+02 BASIN STORAGE=0.1682E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D MANE 5.00 87.49 760.00 0.29 5.00 87.49 760.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3712E+02 EXCESS=0.0000E+00 OUTFLOW=0.3712E+02 BASIN STORAGE=0.2452E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D MANE 5.00 85.02 760.00 0.29 5.00 85.02 760.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3648E+02 EXCESS=0.0000E+00 OUTFLOW=0.3648E+02 BASIN STORAGE=0.2481E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D MANE 5.00 84.62 760.00 0.28 5.00 84.62 760.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3583E+02 EXCESS=0.0000E+00 OUTFLOW=0.3583E+02 BASIN STORAGE=0.2428E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D MANE 5.00 80.52 760.00 0.28 5.00 80.52 760.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3518E+02 EXCESS=0.0000E+00 OUTFLOW=0.3518E+02 BASIN STORAGE=0.2404E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D MANE 5.00 79.02 760.00 0.27 5.00 79.02 760.00 0.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3454E+02 EXCESS=0.0000E+00 OUTFLOW=0.3454E+02 BASIN STORAGE=0.2412E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT C2D MANE 5.00 79.43 760.00 0.27 5.00 79.43 760.00 0.27

FOR PLAN = 1 RATIO= 0.00
 RT T1D MANE 2.25 26.57 744.84 -1.00 5.00 26.53 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1D MANE 2.25 26.51 745.05 -1.00 5.00 26.51 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1D MANE 2.26 26.43 744.41 -1.00 5.00 26.25 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1D MANE 2.26 25.98 742.82 -1.00 5.00 25.92 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1D MANE 2.26 25.83 743.53 -1.00 5.00 25.33 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1D MANE 2.26 25.73 744.24 -1.00 5.00 25.32 745.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1F MANE 1.12 27.00 836.49 -1.00 5.00 26.99 835.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1F MANE 1.14 25.33 836.35 -1.00 5.00 25.31 835.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1F MANE 1.16 23.73 836.25 -1.00 5.00 23.71 840.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1F MANE 1.18 22.15 836.67 -1.00 5.00 22.15 840.00 -1.00

FOR PLAN = 1 RATIO= 0.00
 RT T1F MANE 1.20 20.62 839.74 -1.00 5.00 20.62 840.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T1F MANE 1.22 19.11 841.17 -1.00 5.00 19.11 840.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2A MANE 1.72 52.98 746.99 17.50 5.00 52.40 745.00 17.50

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1867E+02 EXCESS=0.0000E+00 OUTFLOW=0.1867E+02 BASIN STORAGE=0.2481E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A MANE 1.72 52.14 746.86 16.80 5.00 51.34 745.00 16.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1792E+02 EXCESS=0.0000E+00 OUTFLOW=0.1792E+02 BASIN STORAGE=0.2464E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A MANE 1.74 50.65 746.35 16.09 5.00 50.14 745.00 16.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1716E+02 EXCESS=0.0000E+00 OUTFLOW=0.1716E+02 BASIN STORAGE=0.2438E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A MANE 1.75 49.68 746.97 15.38 5.00 48.80 745.00 15.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1640E+02 EXCESS=0.0000E+00 OUTFLOW=0.1640E+02 BASIN STORAGE=0.2312E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A MANE 1.76 48.32 746.50 14.70 5.00 47.66 745.00 14.70

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1568E+02 EXCESS=0.0000E+00 OUTFLOW=0.1568E+02 BASIN STORAGE=0.2433E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2A MANE 1.76 47.65 747.18 14.05 5.00 47.00 745.00 14.05

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1499E+02 EXCESS=0.0000E+00 OUTFLOW=0.1499E+02 BASIN STORAGE=0.2464E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT T2C MANE 5.00 54.96 755.00 17.51 5.00 54.96 755.00 17.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1867E+02 EXCESS=0.0000E+00 OUTFLOW=0.1868E+02 BASIN STORAGE=0.2268E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT T2C MANE 5.00 53.49 755.00 16.80 5.00 53.49 755.00 16.80

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1791E+02 EXCESS=0.0000E+00 OUTFLOW=0.1792E+02 BASIN STORAGE=0.2155E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT T2C MANE 5.00 51.71 755.00 16.09 5.00 51.71 755.00 16.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1716E+02 EXCESS=0.0000E+00 OUTFLOW=0.1717E+02 BASIN STORAGE=0.2150E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT T2C MANE 5.00 50.92 760.00 15.39 5.00 50.92 760.00 15.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1640E+02 EXCESS=0.0000E+00 OUTFLOW=0.1641E+02 BASIN STORAGE=0.2112E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT T2C MANE 5.00 50.17 760.00 14.70 5.00 50.17 760.00 14.70

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1567E+02 EXCESS=0.0000E+00 OUTFLOW=0.1568E+02 BASIN STORAGE=0.2045E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT T2C MANE 5.00 49.36 760.00 14.06 5.00 49.36 760.00 14.06

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1499E+02 EXCESS=0.0000E+00 OUTFLOW=0.1500E+02 BASIN STORAGE=0.1950E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.06 736.41 -1.00 5.00 18.05 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.07 736.41 -1.00 5.00 18.06 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.09 736.41 -1.00 5.00 18.07 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.10 736.41 -1.00 5.00 18.08 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.12 736.41 -1.00 5.00 18.09 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2E MANE 4.38 18.13 736.41 -1.00 5.00 18.10 740.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M03 MANE 5.00 107.98 780.00 1.00 5.00 107.98 780.00 1.00

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2836E+02 EXCESS=0.0000E+00 OUTFLOW=0.2836E+02 BASIN STORAGE=0.1236E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	5.00	106.03	780.00	0.99	5.00	106.03	780.00	0.99
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2787E+02 EXCESS=0.0000E+00 OUTFLOW=0.2787E+02 BASIN STORAGE=0.1223E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	5.00	104.08	780.00	0.97	5.00	104.08	780.00	0.97
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2738E+02 EXCESS=0.0000E+00 OUTFLOW=0.2739E+02 BASIN STORAGE=0.1211E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	5.00	102.14	780.00	0.95	5.00	102.14	780.00	0.95
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2690E+02 EXCESS=0.0000E+00 OUTFLOW=0.2690E+02 BASIN STORAGE=0.1243E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	5.00	100.20	780.00	0.93	5.00	100.20	780.00	0.93
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2642E+02 EXCESS=0.0000E+00 OUTFLOW=0.2642E+02 BASIN STORAGE=0.1231E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MO3	MANE	5.00	98.29	785.00	0.92	5.00	98.29	785.00	0.92
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2594E+02 EXCESS=0.0000E+00 OUTFLOW=0.2594E+02 BASIN STORAGE=0.1218E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 1.00

RT MO4	MANE	1.32	107.96	783.30	1.00	5.00	107.91	785.00	1.00
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2836E+02 EXCESS=0.0000E+00 OUTFLOW=0.2836E+02 BASIN STORAGE=0.9803E-07 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.99

RT MO4	MANE	1.31	106.00	783.60	0.99	5.00	105.97	785.00	0.99
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2787E+02 EXCESS=0.0000E+00 OUTFLOW=0.2787E+02 BASIN STORAGE=0.9850E-07 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.98

RT MO4	MANE	1.30	104.08	782.69	0.97	5.00	104.04	785.00	0.97
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2739E+02 EXCESS=0.0000E+00 OUTFLOW=0.2739E+02 BASIN STORAGE=0.1338E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.97

RT MO4 MANE 1.33 102.13 783.21 0.95 5.00 102.11 785.00 0.95

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2690E+02 EXCESS=0.0000E+00 OUTFLOW=0.2691E+02 BASIN STORAGE=0.1355E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.96

RT MO4 MANE 1.36 100.20 783.52 0.93 5.00 100.19 785.00 0.93

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2642E+02 EXCESS=0.0000E+00 OUTFLOW=0.2642E+02 BASIN STORAGE=0.1260E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.95

RT MO4 MANE 1.35 98.28 786.34 0.92 5.00 98.28 785.00 0.92

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2594E+02 EXCESS=0.0000E+00 OUTFLOW=0.2594E+02 BASIN STORAGE=0.1477E-06 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 24.56 1430.00 0.64 5.00 24.56 1430.00 0.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7728E+02 EXCESS=0.0000E+00 OUTFLOW=0.7693E+02 BASIN STORAGE=0.4856E+00 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 24.07 1435.00 0.63 5.00 24.07 1435.00 0.63

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7576E+02 EXCESS=0.0000E+00 OUTFLOW=0.7541E+02 BASIN STORAGE=0.4812E+00 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 23.59 1440.00 0.61 5.00 23.59 1440.00 0.61

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7428E+02 EXCESS=0.0000E+00 OUTFLOW=0.7394E+02 BASIN STORAGE=0.4770E+00 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 23.12 1445.00 0.60 5.00 23.12 1445.00 0.60

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7287E+02 EXCESS=0.0000E+00 OUTFLOW=0.7253E+02 BASIN STORAGE=0.4729E+00 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 22.67 1450.00 0.59 5.00 22.67 1450.00 0.59

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7148E+02 EXCESS=0.0000E+00 OUTFLOW=0.7114E+02 BASIN STORAGE=0.4688E+00 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT K2B MANE 5.00 22.21 1455.00 0.58 5.00 22.21 1455.00 0.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7009E+02 EXCESS=0.0000E+00 OUTFLOW=0.6975E+02 BASIN STORAGE=0.4646E+00 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SBG MANE 5.00 0.65 1105.00 0.14 5.00 0.65 1105.00 0.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3616E+00 EXCESS=0.0000E+00 OUTFLOW=0.3617E+00 BASIN STORAGE=0.2700E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBG MANE 5.00 0.59 1115.00 0.13 5.00 0.59 1115.00 0.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3338E+00 EXCESS=0.0000E+00 OUTFLOW=0.3338E+00 BASIN STORAGE=0.2658E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBG MANE 5.00 0.54 1145.00 0.11 5.00 0.54 1145.00 0.11

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3063E+00 EXCESS=0.0000E+00 OUTFLOW=0.3063E+00 BASIN STORAGE=0.2790E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBG MANE 5.00 0.50 1190.00 0.10 5.00 0.50 1190.00 0.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2790E+00 EXCESS=0.0000E+00 OUTFLOW=0.2790E+00 BASIN STORAGE=0.2748E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBG MANE 5.00 0.47 1225.00 0.09 5.00 0.47 1225.00 0.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2520E+00 EXCESS=0.0000E+00 OUTFLOW=0.2520E+00 BASIN STORAGE=0.2666E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBG MANE 5.00 0.44 1260.00 0.08 5.00 0.44 1260.00 0.08

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2253E+00 EXCESS=0.0000E+00 OUTFLOW=0.2254E+00 BASIN STORAGE=0.2788E-03 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 3.00 10.01 756.00 0.39 5.00 9.99 755.00 0.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2316E+01 EXCESS=0.0000E+00 OUTFLOW=0.2317E+01 BASIN STORAGE=0.2981E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 3.00 9.64 756.00 0.38 5.00 9.61 755.00 0.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2255E+01 EXCESS=0.0000E+00 OUTFLOW=0.2255E+01 BASIN STORAGE=0.2913E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 2.75 9.26 756.25 0.37 5.00 9.21 755.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2195E+01 EXCESS=0.0000E+00 OUTFLOW=0.2195E+01 BASIN STORAGE=0.2907E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 3.00 8.90 756.00 0.36 5.00 8.87 755.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2135E+01 EXCESS=0.0000E+00 OUTFLOW=0.2135E+01 BASIN STORAGE=0.2829E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 3.00 8.54 756.00 0.35 5.00 8.50 755.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2075E+01 EXCESS=0.0000E+00 OUTFLOW=0.2076E+01 BASIN STORAGE=0.3370E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBA MANE 2.75 8.17 756.25 0.34 5.00 8.11 755.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2017E+01 EXCESS=0.0000E+00 OUTFLOW=0.2017E+01 BASIN STORAGE=0.3316E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 3.25 9.93 763.75 0.31 5.00 9.84 765.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2678E+01 EXCESS=0.0000E+00 OUTFLOW=0.2679E+01 BASIN STORAGE=0.1004E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 3.25 9.57 763.75 0.30 5.00 9.48 765.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2589E+01 EXCESS=0.0000E+00 OUTFLOW=0.2590E+01 BASIN STORAGE=0.9857E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 3.25 9.17 763.75 0.29 5.00 9.10 765.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2501E+01 EXCESS=0.0000E+00 OUTFLOW=0.2502E+01 BASIN STORAGE=0.1018E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 3.25 8.84 763.75 0.28 5.00 8.77 765.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2414E+01 EXCESS=0.0000E+00 OUTFLOW=0.2415E+01 BASIN STORAGE=0.9991E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBB MANE 3.25 8.47 763.75 0.27 5.00 8.42 765.00 0.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2327E+01 EXCESS=0.0000E+00 OUTFLOW=0.2328E+01 BASIN STORAGE=0.9800E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBB	MANE	3.00	8.09	765.00	0.26	5.00	8.09	765.00	0.26
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2242E+01 EXCESS=0.0000E+00 OUTFLOW=0.2243E+01 BASIN STORAGE=0.9845E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.81	27.12	768.35	0.43	5.00	27.08	770.00	0.43
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7990E+01 EXCESS=0.0000E+00 OUTFLOW=0.7990E+01 BASIN STORAGE=0.2359E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.82	26.18	771.62	0.42	5.00	26.16	770.00	0.42
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7786E+01 EXCESS=0.0000E+00 OUTFLOW=0.7786E+01 BASIN STORAGE=0.2346E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.84	25.26	771.39	0.41	5.00	25.25	770.00	0.41
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7584E+01 EXCESS=0.0000E+00 OUTFLOW=0.7584E+01 BASIN STORAGE=0.2311E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.86	24.35	771.26	0.40	5.00	24.34	770.00	0.40
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7383E+01 EXCESS=0.0000E+00 OUTFLOW=0.7384E+01 BASIN STORAGE=0.2253E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.88	23.46	771.25	0.38	5.00	23.44	770.00	0.38
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7185E+01 EXCESS=0.0000E+00 OUTFLOW=0.7185E+01 BASIN STORAGE=0.2342E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBC	MANE	1.90	22.58	771.37	0.37	5.00	22.54	770.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6989E+01 EXCESS=0.0000E+00 OUTFLOW=0.6989E+01 BASIN STORAGE=0.2238E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD	MANE	4.75	27.01	779.00	0.43	5.00	26.96	775.00	0.43
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7992E+01 EXCESS=0.0000E+00 OUTFLOW=0.7994E+01 BASIN STORAGE=0.1330E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 4.75 26.11 779.00 0.42 5.00 26.02 775.00 0.42

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7788E+01 EXCESS=0.0000E+00 OUTFLOW=0.7790E+01 BASIN STORAGE=0.1298E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 4.50 25.24 778.50 0.41 5.00 25.11 780.00 0.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7584E+01 EXCESS=0.0000E+00 OUTFLOW=0.7586E+01 BASIN STORAGE=0.1232E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 4.50 24.34 778.50 0.40 5.00 24.23 780.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7384E+01 EXCESS=0.0000E+00 OUTFLOW=0.7386E+01 BASIN STORAGE=0.1196E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 4.25 23.43 777.75 0.39 5.00 23.33 780.00 0.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7185E+01 EXCESS=0.0000E+00 OUTFLOW=0.7187E+01 BASIN STORAGE=0.1174E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBD MANE 4.25 22.54 777.75 0.37 5.00 22.46 780.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6988E+01 EXCESS=0.0000E+00 OUTFLOW=0.6990E+01 BASIN STORAGE=0.1160E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 2.01 16.80 744.52 0.58 5.00 16.75 745.00 0.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2768E+01 EXCESS=0.0000E+00 OUTFLOW=0.2768E+01 BASIN STORAGE=0.2382E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 2.02 16.41 743.51 0.56 5.00 16.27 745.00 0.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2707E+01 EXCESS=0.0000E+00 OUTFLOW=0.2707E+01 BASIN STORAGE=0.2333E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 2.03 15.93 744.60 0.55 5.00 15.89 745.00 0.55

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2646E+01 EXCESS=0.0000E+00 OUTFLOW=0.2646E+01 BASIN STORAGE=0.2269E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 2.05 15.55 743.72 0.54 5.00 15.41 745.00 0.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2586E+01 EXCESS=0.0000E+00 OUTFLOW=0.2586E+01 BASIN STORAGE=0.2158E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 2.06 15.03 744.96 0.53 5.00 15.03 745.00 0.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2526E+01 EXCESS=0.0000E+00 OUTFLOW=0.2526E+01 BASIN STORAGE=0.2366E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBE MANE 2.08 14.70 744.22 0.51 5.00 14.61 745.00 0.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2466E+01 EXCESS=0.0000E+00 OUTFLOW=0.2467E+01 BASIN STORAGE=0.2231E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 16.90 755.00 0.58 5.00 16.90 755.00 0.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2768E+01 EXCESS=0.0000E+00 OUTFLOW=0.2769E+01 BASIN STORAGE=0.1491E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 16.50 755.00 0.56 5.00 16.50 755.00 0.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2707E+01 EXCESS=0.0000E+00 OUTFLOW=0.2708E+01 BASIN STORAGE=0.1477E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 16.05 755.00 0.55 5.00 16.05 755.00 0.55

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2646E+01 EXCESS=0.0000E+00 OUTFLOW=0.2647E+01 BASIN STORAGE=0.1466E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 15.66 755.00 0.54 5.00 15.66 755.00 0.54

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2585E+01 EXCESS=0.0000E+00 OUTFLOW=0.2587E+01 BASIN STORAGE=0.1451E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 15.20 755.00 0.53 5.00 15.20 755.00 0.53

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2525E+01 EXCESS=0.0000E+00 OUTFLOW=0.2527E+01 BASIN STORAGE=0.1440E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SBF MANE 5.00 14.84 755.00 0.51 5.00 14.84 755.00 0.51

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2466E+01 EXCESS=0.0000E+00 OUTFLOW=0.2468E+01 BASIN STORAGE=0.1426E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT SE1 MANE 4.53 49.87 783.05 0.38 5.00 49.82 785.00 0.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2024E+02 EXCESS=0.0000E+00 OUTFLOW=0.2024E+02 BASIN STORAGE=0.6949E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	4.55	48.81	782.96	0.37	5.00	48.78	785.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1979E+02 EXCESS=0.0000E+00 OUTFLOW=0.1979E+02 BASIN STORAGE=0.7275E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	4.58	47.77	782.90	0.37	5.00	47.75	785.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1934E+02 EXCESS=0.0000E+00 OUTFLOW=0.1934E+02 BASIN STORAGE=0.7067E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	4.61	46.75	782.87	0.36	5.00	46.74	785.00	0.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1889E+02 EXCESS=0.0000E+00 OUTFLOW=0.1889E+02 BASIN STORAGE=0.7333E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	4.63	45.73	787.53	0.35	5.00	45.72	785.00	0.35
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1844E+02 EXCESS=0.0000E+00 OUTFLOW=0.1844E+02 BASIN STORAGE=0.6932E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SE1	MANE	4.66	44.76	787.52	0.34	5.00	44.73	785.00	0.34
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1799E+02 EXCESS=0.0000E+00 OUTFLOW=0.1799E+02 BASIN STORAGE=0.7362E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SV6	MANE	5.00	58.74	780.00	0.39	5.00	58.74	780.00	0.39
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2211E+02 EXCESS=0.0000E+00 OUTFLOW=0.2217E+02 BASIN STORAGE=0.1105E-01 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV6	MANE	5.00	59.62	780.00	0.38	5.00	59.62	780.00	0.38
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2161E+02 EXCESS=0.0000E+00 OUTFLOW=0.2167E+02 BASIN STORAGE=0.1051E-01 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV6	MANE	5.00	59.67	780.00	0.37	5.00	59.67	780.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2111E+02 EXCESS=0.0000E+00 OUTFLOW=0.2117E+02 BASIN STORAGE=0.1028E-01 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV6 MANE 5.00 58.33 780.00 0.36 5.00 58.33 780.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2062E+02 EXCESS=0.0000E+00 OUTFLOW=0.2068E+02 BASIN STORAGE=0.1139E-01 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV6 MANE 5.00 55.78 780.00 0.35 5.00 55.78 780.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2012E+02 EXCESS=0.0000E+00 OUTFLOW=0.2018E+02 BASIN STORAGE=0.1045E-01 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV6 MANE 5.00 53.48 795.00 0.34 5.00 53.48 795.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1963E+02 EXCESS=0.0000E+00 OUTFLOW=0.1968E+02 BASIN STORAGE=0.1046E-01 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 1.05 41.78 951.09 0.43 5.00 41.78 950.00 0.43

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3374E+02 EXCESS=0.0000E+00 OUTFLOW=0.3374E+02 BASIN STORAGE=0.8345E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 1.05 40.66 952.06 0.42 5.00 40.66 955.00 0.42

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3292E+02 EXCESS=0.0000E+00 OUTFLOW=0.3292E+02 BASIN STORAGE=0.8346E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 1.06 39.56 956.25 0.41 5.00 39.56 955.00 0.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3212E+02 EXCESS=0.0000E+00 OUTFLOW=0.3212E+02 BASIN STORAGE=0.8340E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 1.06 38.45 956.37 0.40 5.00 38.45 955.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3131E+02 EXCESS=0.0000E+00 OUTFLOW=0.3131E+02 BASIN STORAGE=0.8322E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 1.07 37.33 959.95 0.39 5.00 37.33 960.00 0.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3050E+02 EXCESS=0.0000E+00 OUTFLOW=0.3050E+02 BASIN STORAGE=0.8339E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4A MANE 1.08 36.20 960.43 0.38 5.00 36.20 960.00 0.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2970E+02 EXCESS=0.0000E+00 OUTFLOW=0.2970E+02 BASIN STORAGE=0.8348E-04 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B MANE 5.00 41.77 960.00 0.43 5.00 41.77 960.00 0.43

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3374E+02 EXCESS=0.0000E+00 OUTFLOW=0.3374E+02 BASIN STORAGE=0.1094E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B MANE 5.00 40.66 960.00 0.42 5.00 40.66 960.00 0.42

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3293E+02 EXCESS=0.0000E+00 OUTFLOW=0.3293E+02 BASIN STORAGE=0.1105E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B MANE 5.00 39.56 960.00 0.41 5.00 39.56 960.00 0.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3212E+02 EXCESS=0.0000E+00 OUTFLOW=0.3212E+02 BASIN STORAGE=0.1112E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B MANE 5.00 38.44 965.00 0.40 5.00 38.44 965.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3131E+02 EXCESS=0.0000E+00 OUTFLOW=0.3131E+02 BASIN STORAGE=0.1095E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B MANE 5.00 37.32 965.00 0.39 5.00 37.32 965.00 0.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3050E+02 EXCESS=0.0000E+00 OUTFLOW=0.3050E+02 BASIN STORAGE=0.1104E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT V4B MANE 5.00 36.20 965.00 0.38 5.00 36.20 965.00 0.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2970E+02 EXCESS=0.0000E+00 OUTFLOW=0.2970E+02 BASIN STORAGE=0.1110E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 44.98 955.00 0.46 5.00 44.98 955.00 0.46

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3847E+02 EXCESS=0.0000E+00 OUTFLOW=0.3847E+02 BASIN STORAGE=0.1244E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 43.80 955.00 0.45 5.00 43.80 955.00 0.45

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3757E+02 EXCESS=0.0000E+00 OUTFLOW=0.3757E+02 BASIN STORAGE=0.1224E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 42.63 960.00 0.44 5.00 42.63 960.00 0.44

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3667E+02 EXCESS=0.0000E+00 OUTFLOW=0.3667E+02 BASIN STORAGE=0.1236E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 41.45 960.00 0.43 5.00 41.45 960.00 0.43

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3578E+02 EXCESS=0.0000E+00 OUTFLOW=0.3578E+02 BASIN STORAGE=0.1245E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 40.26 965.00 0.42 5.00 40.26 965.00 0.42

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3488E+02 EXCESS=0.0000E+00 OUTFLOW=0.3488E+02 BASIN STORAGE=0.1223E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 39.08 965.00 0.40 5.00 39.08 965.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3399E+02 EXCESS=0.0000E+00 OUTFLOW=0.3399E+02 BASIN STORAGE=0.1233E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 47.28 760.00 1.07 5.00 47.28 760.00 1.07

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5139E+01 EXCESS=0.0000E+00 OUTFLOW=0.5147E+01 BASIN STORAGE=0.7935E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 46.34 765.00 1.05 5.00 46.34 765.00 1.05

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5053E+01 EXCESS=0.0000E+00 OUTFLOW=0.5061E+01 BASIN STORAGE=0.8053E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 45.37 765.00 1.03 5.00 45.37 765.00 1.03

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4951E+01 EXCESS=0.0000E+00 OUTFLOW=0.4959E+01 BASIN STORAGE=0.8016E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 44.78 765.00 1.01 5.00 44.78 765.00 1.01

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4860E+01 EXCESS=0.0000E+00 OUTFLOW=0.4868E+01 BASIN STORAGE=0.7942E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 44.20 765.00 1.00 5.00 44.20 765.00 1.00

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4772E+01 EXCESS=0.0000E+00 OUTFLOW=0.4780E+01 BASIN STORAGE=0.7905E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 43.79 765.00 0.98 5.00 43.79 765.00 0.98

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4687E+01 EXCESS=0.0000E+00 OUTFLOW=0.4695E+01 BASIN STORAGE=0.7867E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 29.51 760.00 1.27 5.00 29.51 760.00 1.27

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3377E+01 EXCESS=0.0000E+00 OUTFLOW=0.3380E+01 BASIN STORAGE=0.5365E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 29.15 760.00 1.25 5.00 29.15 760.00 1.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3326E+01 EXCESS=0.0000E+00 OUTFLOW=0.3329E+01 BASIN STORAGE=0.5338E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 28.80 760.00 1.23 5.00 28.80 760.00 1.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3275E+01 EXCESS=0.0000E+00 OUTFLOW=0.3278E+01 BASIN STORAGE=0.5311E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 28.43 760.00 1.21 5.00 28.43 760.00 1.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3224E+01 EXCESS=0.0000E+00 OUTFLOW=0.3227E+01 BASIN STORAGE=0.5284E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 28.06 760.00 1.19 5.00 28.06 760.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3174E+01 EXCESS=0.0000E+00 OUTFLOW=0.3176E+01 BASIN STORAGE=0.5257E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT SV3 MANE 5.00 27.69 760.00 1.17 5.00 27.69 760.00 1.17

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3123E+01 EXCESS=0.0000E+00 OUTFLOW=0.3126E+01 BASIN STORAGE=0.5229E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 5.00 38.87 830.00 0.85 5.00 38.87 830.00 0.85

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1871E+02 EXCESS=0.0000E+00 OUTFLOW=0.1871E+02 BASIN STORAGE=0.1244E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 4.25 37.87 833.00 0.83 5.00 37.85 835.00 0.83

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1833E+02 EXCESS=0.0000E+00 OUTFLOW=0.1833E+02 BASIN STORAGE=0.1226E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 4.50 36.87 832.50 0.81 5.00 36.87 835.00 0.81

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1793E+02 EXCESS=0.0000E+00 OUTFLOW=0.1794E+02 BASIN STORAGE=0.1237E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 3.75 35.93 836.25 0.79 5.00 35.93 835.00 0.79

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1755E+02 EXCESS=0.0000E+00 OUTFLOW=0.1755E+02 BASIN STORAGE=0.1245E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 4.75 34.96 836.00 0.78 5.00 34.95 835.00 0.78

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1717E+02 EXCESS=0.0000E+00 OUTFLOW=0.1717E+02 BASIN STORAGE=0.1243E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MIL MANE 4.50 33.98 837.00 0.76 5.00 33.97 840.00 0.76

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1680E+02 EXCESS=0.0000E+00 OUTFLOW=0.1680E+02 BASIN STORAGE=0.1227E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A MANE 4.28 27.91 731.59 1.22 5.00 26.29 730.00 1.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2411E+01 EXCESS=0.0000E+00 OUTFLOW=0.2411E+01 BASIN STORAGE=0.4310E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A MANE 4.29 28.54 729.48 1.21 5.00 28.15 730.00 1.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2390E+01 EXCESS=0.0000E+00 OUTFLOW=0.2390E+01 BASIN STORAGE=0.4230E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A MANE 4.30 27.04 731.69 1.18 5.00 25.43 730.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2338E+01 EXCESS=0.0000E+00 OUTFLOW=0.2337E+01 BASIN STORAGE=0.4130E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A MANE 4.32 27.60 729.62 1.17 5.00 27.30 730.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2315E+01 EXCESS=0.0000E+00 OUTFLOW=0.2314E+01 BASIN STORAGE=0.4006E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A	MANE	4.33	26.11	731.89	1.15	5.00	24.58	730.00	1.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2264E+01 EXCESS=0.0000E+00 OUTFLOW=0.2264E+01 BASIN STORAGE=0.3866E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1A	MANE	4.34	26.62	729.86	1.13	5.00	26.49	730.00	1.14
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2238E+01 EXCESS=0.0000E+00 OUTFLOW=0.2238E+01 BASIN STORAGE=0.3708E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1D	MANE	1.22	16.01	737.60	-1.00	5.00	16.00	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1D	MANE	1.22	16.01	737.60	-1.00	5.00	16.00	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1D	MANE	1.22	16.01	737.60	-1.00	5.00	16.00	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1D	MANE	1.22	16.00	737.60	-1.00	5.00	16.00	740.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1D	MANE	1.22	16.00	742.47	-1.00	5.00	16.00	745.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1D	MANE	1.22	16.00	742.47	-1.00	5.00	16.00	745.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1B	MANE	5.00	38.15	735.00	7.40	5.00	38.15	735.00	7.40
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1461E+02 EXCESS=0.0000E+00 OUTFLOW=0.1461E+02 BASIN STORAGE=0.5509E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT A1B	MANE	5.00	40.02	735.00	7.34	5.00	40.02	735.00	7.34
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1449E+02 EXCESS=0.0000E+00 OUTFLOW=0.1448E+02 BASIN STORAGE=0.5231E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 5.00 37.41 735.00 7.25 5.00 37.41 735.00 7.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1432E+02 EXCESS=0.0000E+00 OUTFLOW=0.1431E+02 BASIN STORAGE=0.5398E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 5.00 39.30 735.00 7.19 5.00 39.30 735.00 7.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1420E+02 EXCESS=0.0000E+00 OUTFLOW=0.1419E+02 BASIN STORAGE=0.5122E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 5.00 36.65 735.00 7.10 5.00 36.65 735.00 7.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1402E+02 EXCESS=0.0000E+00 OUTFLOW=0.1401E+02 BASIN STORAGE=0.5286E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1B MANE 5.00 37.83 735.00 7.04 5.00 37.83 735.00 7.04

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1390E+02 EXCESS=0.0000E+00 OUTFLOW=0.1389E+02 BASIN STORAGE=0.5229E-03 PERCENT ERROR= 0.1

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.68 39.76 777.62 -1.00 5.00 39.52 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.68 39.60 777.70 -1.00 5.00 39.27 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.70 38.49 779.67 -1.00 5.00 38.42 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.72 37.07 779.24 -1.00 5.00 36.88 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.73 35.80 778.72 -1.00 5.00 35.43 780.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT M05 MANE 2.75 34.93 777.37 -1.00 5.00 34.49 775.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2D MANE 5.00 103.40 785.00 -1.00 5.00 103.40 785.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	103.01	785.00	-1.00	5.00	103.01	785.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	102.22	785.00	-1.00	5.00	102.22	785.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	100.79	785.00	-1.00	5.00	100.79	785.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	99.34	785.00	-1.00	5.00	99.34	785.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT T2D	MANE	5.00	98.26	780.00	-1.00	5.00	98.26	780.00	-1.00
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FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	123.49	795.00	27.33	5.00	123.49	795.00	27.33
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5393E+02 EXCESS=0.0000E+00 OUTFLOW=0.5392E+02 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	123.03	795.00	26.73	5.00	123.03	795.00	26.73
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5276E+02 EXCESS=0.0000E+00 OUTFLOW=0.5276E+02 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	122.10	795.00	26.09	5.00	122.10	795.00	26.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5148E+02 EXCESS=0.0000E+00 OUTFLOW=0.5148E+02 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	120.69	795.00	25.44	5.00	120.69	795.00	25.44
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5021E+02 EXCESS=0.0000E+00 OUTFLOW=0.5020E+02 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C	MANE	5.00	119.22	795.00	24.78	5.00	119.22	795.00	24.78
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4890E+02 EXCESS=0.0000E+00 OUTFLOW=0.4889E+02 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT A1C MANE 5.00 118.08 795.00 24.16 5.00 118.08 795.00 24.16

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4768E+02 EXCESS=0.0000E+00 OUTFLOW=0.4768E+02 BASIN STORAGE=0.1270E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 127.07 810.00 0.43 5.00 127.07 810.00 0.43

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4196E+02 EXCESS=0.0000E+00 OUTFLOW=0.4199E+02 BASIN STORAGE=0.8003E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 122.30 810.00 0.41 5.00 122.30 810.00 0.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4082E+02 EXCESS=0.0000E+00 OUTFLOW=0.4085E+02 BASIN STORAGE=0.7322E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 117.73 815.00 0.40 5.00 117.73 815.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3970E+02 EXCESS=0.0000E+00 OUTFLOW=0.3973E+02 BASIN STORAGE=0.7170E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 113.30 815.00 0.39 5.00 113.30 815.00 0.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3859E+02 EXCESS=0.0000E+00 OUTFLOW=0.3862E+02 BASIN STORAGE=0.7044E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 108.89 815.00 0.38 5.00 108.89 815.00 0.38

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3749E+02 EXCESS=0.0000E+00 OUTFLOW=0.3752E+02 BASIN STORAGE=0.6968E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML1 MANE 5.00 104.50 815.00 0.37 5.00 104.50 815.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3641E+02 EXCESS=0.0000E+00 OUTFLOW=0.3644E+02 BASIN STORAGE=0.7750E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 63.23 820.00 0.11 5.00 63.23 820.00 0.11

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1632E+02 EXCESS=0.0000E+00 OUTFLOW=0.1632E+02 BASIN STORAGE=0.2949E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 60.39 820.00 0.10 5.00 60.39 820.00 0.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1573E+02 EXCESS=0.0000E+00 OUTFLOW=0.1574E+02 BASIN STORAGE=0.2910E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 57.67 825.00 0.10 5.00 57.67 825.00 0.10

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1515E+02 EXCESS=0.0000E+00 OUTFLOW=0.1515E+02 BASIN STORAGE=0.2937E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 54.74 825.00 0.09 5.00 54.74 825.00 0.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1458E+02 EXCESS=0.0000E+00 OUTFLOW=0.1458E+02 BASIN STORAGE=0.2903E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 51.77 825.00 0.09 5.00 51.77 825.00 0.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1402E+02 EXCESS=0.0000E+00 OUTFLOW=0.1402E+02 BASIN STORAGE=0.2871E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT ML3 MANE 5.00 48.66 830.00 0.09 5.00 48.66 830.00 0.09

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1347E+02 EXCESS=0.0000E+00 OUTFLOW=0.1347E+02 BASIN STORAGE=0.3275E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 122.48 820.00 -1.00 5.00 122.48 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 118.68 820.00 -1.00 5.00 118.68 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 115.15 820.00 -1.00 5.00 115.15 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 111.53 820.00 -1.00 5.00 111.53 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 107.84 820.00 -1.00 5.00 107.84 820.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT L2A MANE 5.00 104.74 825.00 -1.00 5.00 104.74 825.00 -1.00

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 384.98 825.00 0.64 5.00 384.98 825.00 0.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1878E+03 EXCESS=0.0000E+00 OUTFLOW=0.1878E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 375.06 830.00 0.62 5.00 375.06 830.00 0.62

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1833E+03 EXCESS=0.0000E+00 OUTFLOW=0.1833E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 365.31 825.00 0.61 5.00 365.31 825.00 0.61

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1787E+03 EXCESS=0.0000E+00 OUTFLOW=0.1787E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 354.41 830.00 0.59 5.00 354.41 830.00 0.59

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1742E+03 EXCESS=0.0000E+00 OUTFLOW=0.1742E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 343.56 830.00 0.58 5.00 343.56 830.00 0.58

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1697E+03 EXCESS=0.0000E+00 OUTFLOW=0.1697E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP1 MANE 5.00 332.84 825.00 0.56 5.00 332.84 825.00 0.56

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1653E+03 EXCESS=0.0000E+00 OUTFLOW=0.1653E+03 BASIN STORAGE=0.1175E-01 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 1.50 3.21 745.50 0.26 5.00 3.17 745.00 0.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8261E+00 EXCESS=0.0000E+00 OUTFLOW=0.8262E+00 BASIN STORAGE=0.3300E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 1.50 3.02 745.50 0.25 5.00 2.99 750.00 0.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8002E+00 EXCESS=0.0000E+00 OUTFLOW=0.8003E+00 BASIN STORAGE=0.3236E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 1.50 2.83 747.00 0.24 5.00 2.82 750.00 0.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7747E+00 EXCESS=0.0000E+00 OUTFLOW=0.7747E+00 BASIN STORAGE=0.3589E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 1.50 2.66 750.00 0.23 5.00 2.66 750.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7494E+00 EXCESS=0.0000E+00 OUTFLOW=0.7495E+00 BASIN STORAGE=0.3521E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 1.50 2.50 750.00 0.23 5.00 2.50 750.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7245E+00 EXCESS=0.0000E+00 OUTFLOW=0.7246E+00 BASIN STORAGE=0.3410E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GP2 MANE 1.50 2.34 750.00 0.22 5.00 2.34 750.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7000E+00 EXCESS=0.0000E+00 OUTFLOW=0.7000E+00 BASIN STORAGE=0.3348E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 1.75 3.35 763.00 0.26 5.00 3.04 765.00 0.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8267E+00 EXCESS=0.0000E+00 OUTFLOW=0.8266E+00 BASIN STORAGE=0.1790E-02 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.00 3.28 764.00 0.25 5.00 3.06 765.00 0.25

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.8007E+00 EXCESS=0.0000E+00 OUTFLOW=0.8010E+00 BASIN STORAGE=0.1932E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.00 3.08 764.00 0.24 5.00 2.93 765.00 0.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7752E+00 EXCESS=0.0000E+00 OUTFLOW=0.7755E+00 BASIN STORAGE=0.1887E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.00 2.82 766.00 0.23 5.00 2.70 765.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7500E+00 EXCESS=0.0000E+00 OUTFLOW=0.7504E+00 BASIN STORAGE=0.1840E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.00 2.80 766.00 0.23 5.00 2.39 770.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7250E+00 EXCESS=0.0000E+00 OUTFLOW=0.7252E+00 BASIN STORAGE=0.1695E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT GP3 MANE 2.00 2.53 766.00 0.22 5.00 2.17 775.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7004E+00 EXCESS=0.0000E+00 OUTFLOW=0.7007E+00 BASIN STORAGE=0.1949E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT D3B MANE 3.00 21.66 798.00 0.32 5.00 19.84 805.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5592E+01 EXCESS=0.0000E+00 OUTFLOW=0.5604E+01 BASIN STORAGE=0.5874E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT D3B MANE 3.25 20.70 799.50 0.31 5.00 20.22 800.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5439E+01 EXCESS=0.0000E+00 OUTFLOW=0.5453E+01 BASIN STORAGE=0.6190E-02 PERCENT ERROR= -0.4

FOR PLAN = 1 RATIO= 0.00

RT D3B MANE 3.00 20.58 798.00 0.30 5.00 18.87 800.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5289E+01 EXCESS=0.0000E+00 OUTFLOW=0.5300E+01 BASIN STORAGE=0.5596E-02 PERCENT ERROR= -0.3

FOR PLAN = 1 RATIO= 0.00

RT D3B MANE 3.00 18.55 801.00 0.29 5.00 18.53 800.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5139E+01 EXCESS=0.0000E+00 OUTFLOW=0.5151E+01 BASIN STORAGE=0.6953E-02 PERCENT ERROR= -0.4

FOR PLAN = 1 RATIO= 0.00

RT D3B MANE 3.00 18.73 801.00 0.28 5.00 17.62 800.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4992E+01 EXCESS=0.0000E+00 OUTFLOW=0.5003E+01 BASIN STORAGE=0.6752E-02 PERCENT ERROR= -0.4

FOR PLAN = 1 RATIO= 0.00

RT D3B MANE 3.00 18.49 801.00 0.28 5.00 16.42 810.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4846E+01 EXCESS=0.0000E+00 OUTFLOW=0.4856E+01 BASIN STORAGE=0.6671E-02 PERCENT ERROR= -0.4

FOR PLAN = 1 RATIO= 0.00

RT HR1 MANE 5.00 45.20 940.00 0.23 5.00 45.20 940.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3138E+02 EXCESS=0.0000E+00 OUTFLOW=0.3138E+02 BASIN STORAGE=0.1094E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1 MANE 5.00 43.43 945.00 0.23 5.00 43.43 945.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3036E+02 EXCESS=0.0000E+00 OUTFLOW=0.3037E+02 BASIN STORAGE=0.1076E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1 MANE 5.00 41.71 945.00 0.22 5.00 41.71 945.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2936E+02 EXCESS=0.0000E+00 OUTFLOW=0.2937E+02 BASIN STORAGE=0.1052E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1 MANE 5.00 40.02 950.00 0.21 5.00 40.02 950.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2838E+02 EXCESS=0.0000E+00 OUTFLOW=0.2838E+02 BASIN STORAGE=0.1026E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1 MANE 5.00 38.38 950.00 0.20 5.00 38.38 950.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2740E+02 EXCESS=0.0000E+00 OUTFLOW=0.2740E+02 BASIN STORAGE=0.1099E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT HR1 MANE 5.00 36.77 955.00 0.20 5.00 36.77 955.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2644E+02 EXCESS=0.0000E+00 OUTFLOW=0.2644E+02 BASIN STORAGE=0.1080E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.34 46.72 937.33 0.24 5.00 46.72 940.00 0.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3300E+02 EXCESS=0.0000E+00 OUTFLOW=0.3300E+02 BASIN STORAGE=0.1095E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.35 44.91 940.68 0.23 5.00 44.91 940.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3194E+02 EXCESS=0.0000E+00 OUTFLOW=0.3194E+02 BASIN STORAGE=0.1120E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.36 43.14 942.86 0.22 5.00 43.14 945.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3090E+02 EXCESS=0.0000E+00 OUTFLOW=0.3090E+02 BASIN STORAGE=0.1090E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.37 41.42 946.46 0.21 5.00 41.41 945.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2987E+02 EXCESS=0.0000E+00 OUTFLOW=0.2987E+02 BASIN STORAGE=0.1091E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.38 39.72 950.25 0.21 5.00 39.72 950.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2886E+02 EXCESS=0.0000E+00 OUTFLOW=0.2886E+02 BASIN STORAGE=0.1119E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2A MANE 1.39 38.08 951.35 0.20 5.00 38.07 950.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2786E+02 EXCESS=0.0000E+00 OUTFLOW=0.2786E+02 BASIN STORAGE=0.1088E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.91 46.72 940.45 0.24 5.00 46.72 940.00 0.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3300E+02 EXCESS=0.0000E+00 OUTFLOW=0.3300E+02 BASIN STORAGE=0.1531E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.92 44.91 941.57 0.23 5.00 44.90 940.00 0.23

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3194E+02 EXCESS=0.0000E+00 OUTFLOW=0.3194E+02 BASIN STORAGE=0.1505E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.94 43.14 945.57 0.22 5.00 43.14 945.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3090E+02 EXCESS=0.0000E+00 OUTFLOW=0.3090E+02 BASIN STORAGE=0.1528E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.95 41.41 945.96 0.21 5.00 41.41 945.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2987E+02 EXCESS=0.0000E+00 OUTFLOW=0.2987E+02 BASIN STORAGE=0.1501E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.96 39.72 951.21 0.21 5.00 39.72 950.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2886E+02 EXCESS=0.0000E+00 OUTFLOW=0.2886E+02 BASIN STORAGE=0.1504E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT H2B MANE 0.97 38.07 951.83 0.20 5.00 38.07 955.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2786E+02 EXCESS=0.0000E+00 OUTFLOW=0.2786E+02 BASIN STORAGE=0.1526E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A MANE 2.36 47.59 939.78 0.24 5.00 47.59 940.00 0.24

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3441E+02 EXCESS=0.0000E+00 OUTFLOW=0.3441E+02 BASIN STORAGE=0.2027E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A	MANE	2.37	45.76	944.79	0.24	5.00	45.76	945.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3333E+02 EXCESS=0.0000E+00 OUTFLOW=0.3333E+02 BASIN STORAGE=0.2029E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A	MANE	2.39	43.97	945.18	0.23	5.00	43.97	945.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3226E+02 EXCESS=0.0000E+00 OUTFLOW=0.3226E+02 BASIN STORAGE=0.2003E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A	MANE	2.41	42.22	948.04	0.22	5.00	42.22	950.00	0.22
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3120E+02 EXCESS=0.0000E+00 OUTFLOW=0.3120E+02 BASIN STORAGE=0.1970E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A	MANE	2.43	40.52	951.05	0.21	5.00	40.51	950.00	0.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3017E+02 EXCESS=0.0000E+00 OUTFLOW=0.3017E+02 BASIN STORAGE=0.1922E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3A	MANE	2.45	38.85	954.16	0.21	5.00	38.85	955.00	0.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2914E+02 EXCESS=0.0000E+00 OUTFLOW=0.2914E+02 BASIN STORAGE=0.2002E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B	MANE	4.60	47.58	943.95	0.24	5.00	47.58	945.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3441E+02 EXCESS=0.0000E+00 OUTFLOW=0.3441E+02 BASIN STORAGE=0.9608E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B	MANE	4.66	45.76	945.74	0.24	5.00	45.75	945.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3333E+02 EXCESS=0.0000E+00 OUTFLOW=0.3333E+02 BASIN STORAGE=0.9267E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B	MANE	4.71	43.96	947.59	0.23	5.00	43.96	950.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3226E+02 EXCESS=0.0000E+00 OUTFLOW=0.3226E+02 BASIN STORAGE=0.9923E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 4.77 42.22 949.60 0.22 5.00 42.22 950.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3121E+02 EXCESS=0.0000E+00 OUTFLOW=0.3121E+02 BASIN STORAGE=0.9592E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 4.83 40.51 956.52 0.21 5.00 40.51 955.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3017E+02 EXCESS=0.0000E+00 OUTFLOW=0.3017E+02 BASIN STORAGE=0.1010E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3B MANE 4.89 38.84 958.80 0.21 5.00 38.84 960.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.2914E+02 EXCESS=0.0000E+00 OUTFLOW=0.2914E+02 BASIN STORAGE=0.9748E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 30.53 745.00 0.65 5.00 30.53 745.00 0.65

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3484E+01 EXCESS=0.0000E+00 OUTFLOW=0.3486E+01 BASIN STORAGE=0.1772E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 29.84 745.00 0.64 5.00 29.84 745.00 0.64

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3416E+01 EXCESS=0.0000E+00 OUTFLOW=0.3418E+01 BASIN STORAGE=0.1757E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 29.16 745.00 0.63 5.00 29.16 745.00 0.63

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3348E+01 EXCESS=0.0000E+00 OUTFLOW=0.3350E+01 BASIN STORAGE=0.1742E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 28.48 745.00 0.62 5.00 28.48 745.00 0.62

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3281E+01 EXCESS=0.0000E+00 OUTFLOW=0.3283E+01 BASIN STORAGE=0.1727E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 27.80 745.00 0.60 5.00 27.80 745.00 0.60

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3214E+01 EXCESS=0.0000E+00 OUTFLOW=0.3216E+01 BASIN STORAGE=0.1711E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3C MANE 5.00 27.12 745.00 0.59 5.00 27.12 745.00 0.59

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3147E+01 EXCESS=0.0000E+00 OUTFLOW=0.3149E+01 BASIN STORAGE=0.1673E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 4.63 1.60 898.35 0.22 5.00 1.60 900.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1191E+01 EXCESS=0.0000E+00 OUTFLOW=0.1191E+01 BASIN STORAGE=0.1917E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 4.66 1.55 904.75 0.22 5.00 1.55 900.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1153E+01 EXCESS=0.0000E+00 OUTFLOW=0.1154E+01 BASIN STORAGE=0.1933E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 4.70 1.49 906.61 0.21 5.00 1.49 905.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1117E+01 EXCESS=0.0000E+00 OUTFLOW=0.1117E+01 BASIN STORAGE=0.1947E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 4.73 1.44 908.56 0.20 5.00 1.44 905.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1080E+01 EXCESS=0.0000E+00 OUTFLOW=0.1080E+01 BASIN STORAGE=0.1959E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 4.77 1.38 910.63 0.20 5.00 1.38 910.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1044E+01 EXCESS=0.0000E+00 OUTFLOW=0.1044E+01 BASIN STORAGE=0.1970E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGA MANE 4.80 1.33 908.03 0.19 5.00 1.33 910.00 0.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1009E+01 EXCESS=0.0000E+00 OUTFLOW=0.1009E+01 BASIN STORAGE=0.1920E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 1.60 910.00 0.22 5.00 1.60 910.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1191E+01 EXCESS=0.0000E+00 OUTFLOW=0.1191E+01 BASIN STORAGE=0.9236E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 1.55 915.00 0.22 5.00 1.55 915.00 0.22

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1154E+01 EXCESS=0.0000E+00 OUTFLOW=0.1154E+01 BASIN STORAGE=0.9336E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 1.49 915.00 0.21 5.00 1.49 915.00 0.21

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1117E+01 EXCESS=0.0000E+00 OUTFLOW=0.1117E+01 BASIN STORAGE=0.9164E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 1.44 920.00 0.20 5.00 1.44 920.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1080E+01 EXCESS=0.0000E+00 OUTFLOW=0.1080E+01 BASIN STORAGE=0.9270E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 1.38 920.00 0.20 5.00 1.38 920.00 0.20

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1044E+01 EXCESS=0.0000E+00 OUTFLOW=0.1044E+01 BASIN STORAGE=0.9071E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT MGB MANE 5.00 1.33 925.00 0.19 5.00 1.33 925.00 0.19

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1009E+01 EXCESS=0.0000E+00 OUTFLOW=0.1009E+01 BASIN STORAGE=0.9185E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3D MANE 5.00 38.50 750.00 0.43 5.00 38.50 750.00 0.43

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6431E+01 EXCESS=0.0000E+00 OUTFLOW=0.6435E+01 BASIN STORAGE=0.2491E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3D MANE 5.00 37.49 750.00 0.42 5.00 37.48 750.00 0.42

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6283E+01 EXCESS=0.0000E+00 OUTFLOW=0.6287E+01 BASIN STORAGE=0.2535E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3D MANE 5.00 36.47 750.00 0.41 5.00 36.47 750.00 0.41

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6136E+01 EXCESS=0.0000E+00 OUTFLOW=0.6140E+01 BASIN STORAGE=0.2580E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3D MANE 5.00 35.45 750.00 0.40 5.00 35.45 750.00 0.40

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5991E+01 EXCESS=0.0000E+00 OUTFLOW=0.5995E+01 BASIN STORAGE=0.2500E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3D MANE 5.00 34.42 750.00 0.39 5.00 34.42 750.00 0.39

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5846E+01 EXCESS=0.0000E+00 OUTFLOW=0.5850E+01 BASIN STORAGE=0.2552E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3D	MANE	5.00	33.40	750.00	0.38	5.00	33.40	750.00	0.38
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5703E+01 EXCESS=0.0000E+00 OUTFLOW=0.5707E+01 BASIN STORAGE=0.2585E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	3.09	22.95	871.21	0.30	5.00	22.95	875.00	0.30
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1560E+02 EXCESS=0.0000E+00 OUTFLOW=0.1560E+02 BASIN STORAGE=0.2189E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	3.11	22.20	877.01	0.29	5.00	22.20	875.00	0.29
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1517E+02 EXCESS=0.0000E+00 OUTFLOW=0.1517E+02 BASIN STORAGE=0.2207E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	3.13	21.47	876.66	0.28	5.00	21.47	875.00	0.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1474E+02 EXCESS=0.0000E+00 OUTFLOW=0.1474E+02 BASIN STORAGE=0.2225E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	3.15	20.75	879.54	0.27	5.00	20.75	880.00	0.27
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1431E+02 EXCESS=0.0000E+00 OUTFLOW=0.1431E+02 BASIN STORAGE=0.2192E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	3.17	20.04	882.51	0.26	5.00	20.04	880.00	0.26
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1389E+02 EXCESS=0.0000E+00 OUTFLOW=0.1389E+02 BASIN STORAGE=0.2204E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT NV1	MANE	3.20	19.34	882.39	0.26	5.00	19.34	885.00	0.26
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1348E+02 EXCESS=0.0000E+00 OUTFLOW=0.1348E+02 BASIN STORAGE=0.2212E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1	MANE	5.00	25.33	870.00	0.32	5.00	25.33	870.00	0.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1775E+02 EXCESS=0.0000E+00 OUTFLOW=0.1776E+02 BASIN STORAGE=0.1055E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 24.53 870.00 0.31 5.00 24.53 870.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1728E+02 EXCESS=0.0000E+00 OUTFLOW=0.1728E+02 BASIN STORAGE=0.1035E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 23.73 875.00 0.30 5.00 23.73 875.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1681E+02 EXCESS=0.0000E+00 OUTFLOW=0.1681E+02 BASIN STORAGE=0.1055E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 22.96 875.00 0.29 5.00 22.96 875.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1635E+02 EXCESS=0.0000E+00 OUTFLOW=0.1635E+02 BASIN STORAGE=0.1036E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 22.19 875.00 0.28 5.00 22.19 875.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1589E+02 EXCESS=0.0000E+00 OUTFLOW=0.1589E+02 BASIN STORAGE=0.1056E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT TP1 MANE 5.00 21.44 880.00 0.28 5.00 21.44 880.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1543E+02 EXCESS=0.0000E+00 OUTFLOW=0.1543E+02 BASIN STORAGE=0.1034E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E MANE 2.72 31.38 742.58 0.33 5.00 30.21 740.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1915E+02 EXCESS=0.0000E+00 OUTFLOW=0.1915E+02 BASIN STORAGE=0.4762E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E MANE 2.74 30.42 742.01 0.32 5.00 29.22 740.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1864E+02 EXCESS=0.0000E+00 OUTFLOW=0.1864E+02 BASIN STORAGE=0.4733E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E MANE 2.76 29.49 741.52 0.31 5.00 28.39 740.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1814E+02 EXCESS=0.0000E+00 OUTFLOW=0.1814E+02 BASIN STORAGE=0.4774E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E MANE 2.78 28.62 743.82 0.30 5.00 27.68 740.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1765E+02 EXCESS=0.0000E+00 OUTFLOW=0.1765E+02 BASIN STORAGE=0.4734E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E MANE 2.79 28.14 743.44 0.29 5.00 27.10 740.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1716E+02 EXCESS=0.0000E+00 OUTFLOW=0.1716E+02 BASIN STORAGE=0.4768E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3E MANE 2.81 27.81 743.06 0.28 5.00 26.56 745.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1667E+02 EXCESS=0.0000E+00 OUTFLOW=0.1667E+02 BASIN STORAGE=0.4714E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 33.44 760.00 0.33 5.00 33.44 760.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1915E+02 EXCESS=0.0000E+00 OUTFLOW=0.1916E+02 BASIN STORAGE=0.3637E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 32.43 760.00 0.32 5.00 32.43 760.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1864E+02 EXCESS=0.0000E+00 OUTFLOW=0.1865E+02 BASIN STORAGE=0.3531E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 31.23 760.00 0.31 5.00 31.23 760.00 0.31

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1814E+02 EXCESS=0.0000E+00 OUTFLOW=0.1814E+02 BASIN STORAGE=0.3639E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 30.11 760.00 0.30 5.00 30.11 760.00 0.30

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1764E+02 EXCESS=0.0000E+00 OUTFLOW=0.1765E+02 BASIN STORAGE=0.3533E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 29.10 760.00 0.29 5.00 29.10 760.00 0.29

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1716E+02 EXCESS=0.0000E+00 OUTFLOW=0.1716E+02 BASIN STORAGE=0.3680E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT G3F MANE 5.00 28.28 760.00 0.28 5.00 28.28 760.00 0.28

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1667E+02 EXCESS=0.0000E+00 OUTFLOW=0.1668E+02 BASIN STORAGE=0.3559E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT TP2 MANE 4.75 3.16 812.25 0.26 5.00 3.16 815.00 0.26

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1532E+01 EXCESS=0.0000E+00 OUTFLOW=0.1533E+01 BASIN STORAGE=0.9625E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	4.75	3.04	817.00	0.25	5.00	3.04	815.00	0.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1488E+01 EXCESS=0.0000E+00 OUTFLOW=0.1489E+01 BASIN STORAGE=0.9435E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	4.75	2.92	817.00	0.25	5.00	2.92	815.00	0.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1445E+01 EXCESS=0.0000E+00 OUTFLOW=0.1445E+01 BASIN STORAGE=0.9221E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	4.75	2.81	817.00	0.24	5.00	2.81	820.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1401E+01 EXCESS=0.0000E+00 OUTFLOW=0.1402E+01 BASIN STORAGE=0.9752E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	2.70	820.00	0.23	5.00	2.70	820.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1359E+01 EXCESS=0.0000E+00 OUTFLOW=0.1359E+01 BASIN STORAGE=0.9836E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT TP2	MANE	5.00	2.59	820.00	0.22	5.00	2.59	820.00	0.22
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1317E+01 EXCESS=0.0000E+00 OUTFLOW=0.1317E+01 BASIN STORAGE=0.9678E-03 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	101.24	755.00	0.40	5.00	101.24	755.00	0.40
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1939E+02 EXCESS=0.0000E+00 OUTFLOW=0.1940E+02 BASIN STORAGE=0.3276E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	98.34	755.00	0.39	5.00	98.34	755.00	0.39
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1893E+02 EXCESS=0.0000E+00 OUTFLOW=0.1894E+02 BASIN STORAGE=0.3158E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	95.45	755.00	0.39	5.00	95.45	755.00	0.39
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1848E+02 EXCESS=0.0000E+00 OUTFLOW=0.1849E+02 BASIN STORAGE=0.3080E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	92.58	755.00	0.38	5.00	92.58	755.00	0.38
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1804E+02 EXCESS=0.0000E+00 OUTFLOW=0.1805E+02 BASIN STORAGE=0.3360E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	89.73	755.00	0.37	5.00	89.73	755.00	0.37
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1759E+02 EXCESS=0.0000E+00 OUTFLOW=0.1760E+02 BASIN STORAGE=0.3391E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV1	MANE	5.00	86.89	755.00	0.36	5.00	86.89	755.00	0.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1715E+02 EXCESS=0.0000E+00 OUTFLOW=0.1717E+02 BASIN STORAGE=0.3340E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	118.96	765.00	0.25	5.00	118.96	765.00	0.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5298E+02 EXCESS=0.0000E+00 OUTFLOW=0.5300E+02 BASIN STORAGE=0.3379E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	115.24	770.00	0.24	5.00	115.24	770.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5149E+02 EXCESS=0.0000E+00 OUTFLOW=0.5151E+02 BASIN STORAGE=0.3294E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	112.12	770.00	0.23	5.00	112.12	770.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.5001E+02 EXCESS=0.0000E+00 OUTFLOW=0.5003E+02 BASIN STORAGE=0.3354E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	109.09	770.00	0.23	5.00	109.09	770.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4855E+02 EXCESS=0.0000E+00 OUTFLOW=0.4857E+02 BASIN STORAGE=0.3267E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	106.21	770.00	0.22	5.00	106.21	770.00	0.22
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4711E+02 EXCESS=0.0000E+00 OUTFLOW=0.4713E+02 BASIN STORAGE=0.3075E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT GV2	MANE	5.00	103.52	770.00	0.21	5.00	103.52	770.00	0.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4568E+02 EXCESS=0.0000E+00 OUTFLOW=0.4571E+02 BASIN STORAGE=0.3027E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LD2	MANE	5.00	232.98	775.00	0.26	5.00	232.98	775.00	0.26
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1275E+03 EXCESS=0.0000E+00 OUTFLOW=0.1275E+03 BASIN STORAGE=0.3288E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2	MANE	5.00	225.61	775.00	0.26	5.00	225.61	775.00	0.26
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1238E+03 EXCESS=0.0000E+00 OUTFLOW=0.1238E+03 BASIN STORAGE=0.3187E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2	MANE	5.00	217.84	775.00	0.25	5.00	217.84	775.00	0.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1202E+03 EXCESS=0.0000E+00 OUTFLOW=0.1202E+03 BASIN STORAGE=0.3288E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2	MANE	5.00	209.49	775.00	0.24	5.00	209.49	775.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1167E+03 EXCESS=0.0000E+00 OUTFLOW=0.1167E+03 BASIN STORAGE=0.3186E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2	MANE	5.00	201.02	775.00	0.23	5.00	201.02	775.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1132E+03 EXCESS=0.0000E+00 OUTFLOW=0.1132E+03 BASIN STORAGE=0.3295E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LD2	MANE	5.00	191.99	775.00	0.23	5.00	191.98	775.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1097E+03 EXCESS=0.0000E+00 OUTFLOW=0.1097E+03 BASIN STORAGE=0.3185E-02 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT D3A	MANE	5.00	231.85	800.00	0.26	5.00	231.85	800.00	0.26
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1297E+03 EXCESS=0.0000E+00 OUTFLOW=0.1297E+03 BASIN STORAGE=0.1185E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT D3A	MANE	5.00	223.13	800.00	0.25	5.00	223.13	800.00	0.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1260E+03 EXCESS=0.0000E+00 OUTFLOW=0.1260E+03 BASIN STORAGE=0.1255E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT D3A	MANE	5.00	209.59	805.00	0.25	5.00	209.59	805.00	0.25
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1223E+03 EXCESS=0.0000E+00 OUTFLOW=0.1224E+03 BASIN STORAGE=0.1245E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT D3A	MANE	5.00	206.30	805.00	0.24	5.00	206.30	805.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1187E+03 EXCESS=0.0000E+00 OUTFLOW=0.1187E+03 BASIN STORAGE=0.1178E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT D3A	MANE	5.00	202.28	805.00	0.23	5.00	202.28	805.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1151E+03 EXCESS=0.0000E+00 OUTFLOW=0.1152E+03 BASIN STORAGE=0.1244E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT D3A	MANE	5.00	196.64	805.00	0.23	5.00	196.64	805.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1116E+03 EXCESS=0.0000E+00 OUTFLOW=0.1116E+03 BASIN STORAGE=0.1176E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PAT	MANE	3.25	20.10	796.25	0.24	5.00	20.07	795.00	0.24
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7536E+01 EXCESS=0.0000E+00 OUTFLOW=0.7538E+01 BASIN STORAGE=0.3500E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PAT	MANE	3.25	19.20	796.25	0.23	5.00	19.15	795.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7308E+01 EXCESS=0.0000E+00 OUTFLOW=0.7309E+01 BASIN STORAGE=0.3488E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PAT	MANE	3.25	18.31	799.50	0.23	5.00	18.29	800.00	0.23
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.7082E+01 EXCESS=0.0000E+00 OUTFLOW=0.7083E+01 BASIN STORAGE=0.3442E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PAT	MANE	3.25	17.47	799.50	0.22	5.00	17.46	800.00	0.22
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6859E+01 EXCESS=0.0000E+00 OUTFLOW=0.6860E+01 BASIN STORAGE=0.4016E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PAT	MANE	3.50	16.62	801.50	0.21	5.00	16.62	800.00	0.21
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6639E+01 EXCESS=0.0000E+00 OUTFLOW=0.6641E+01 BASIN STORAGE=0.3521E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT PAT	MANE	3.50	15.82	801.50	0.20	5.00	15.81	800.00	0.20
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.6422E+01 EXCESS=0.0000E+00 OUTFLOW=0.6423E+01 BASIN STORAGE=0.3648E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3	MANE	5.00	21.99	980.00	0.09	5.00	21.99	980.00	0.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1293E+02 EXCESS=0.0000E+00 OUTFLOW=0.1294E+02 BASIN STORAGE=0.6318E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3	MANE	5.00	20.97	980.00	0.09	5.00	20.97	980.00	0.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1239E+02 EXCESS=0.0000E+00 OUTFLOW=0.1239E+02 BASIN STORAGE=0.6096E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3	MANE	5.00	19.98	985.00	0.09	5.00	19.98	985.00	0.09
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1185E+02 EXCESS=0.0000E+00 OUTFLOW=0.1186E+02 BASIN STORAGE=0.5913E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3	MANE	5.00	19.01	985.00	0.08	5.00	19.01	985.00	0.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1133E+02 EXCESS=0.0000E+00 OUTFLOW=0.1133E+02 BASIN STORAGE=0.5618E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3	MANE	5.00	18.06	990.00	0.08	5.00	18.06	990.00	0.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1081E+02 EXCESS=0.0000E+00 OUTFLOW=0.1082E+02 BASIN STORAGE=0.6589E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV3	MANE	5.00	17.12	990.00	0.08	5.00	17.12	990.00	0.08
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1031E+02 EXCESS=0.0000E+00 OUTFLOW=0.1031E+02 BASIN STORAGE=0.6396E-02 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2	MANE	5.00	80.64	945.00	0.15	5.00	80.64	945.00	0.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4238E+02 EXCESS=0.0000E+00 OUTFLOW=0.4242E+02 BASIN STORAGE=0.1064E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 77.49 945.00 0.15 5.00 77.49 945.00 0.15

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.4093E+02 EXCESS=0.0000E+00 OUTFLOW=0.4098E+02 BASIN STORAGE=0.1064E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 74.43 950.00 0.14 5.00 74.43 950.00 0.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3951E+02 EXCESS=0.0000E+00 OUTFLOW=0.3955E+02 BASIN STORAGE=0.1390E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 71.44 955.00 0.14 5.00 71.44 955.00 0.14

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3810E+02 EXCESS=0.0000E+00 OUTFLOW=0.3814E+02 BASIN STORAGE=0.1333E-01 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 68.52 955.00 0.13 5.00 68.52 955.00 0.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3672E+02 EXCESS=0.0000E+00 OUTFLOW=0.3676E+02 BASIN STORAGE=0.1285E-01 PERCENT ERROR= -0.1

FOR PLAN = 1 RATIO= 0.00

RT LV2 MANE 5.00 65.69 960.00 0.13 5.00 65.69 960.00 0.13

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.3535E+02 EXCESS=0.0000E+00 OUTFLOW=0.3540E+02 BASIN STORAGE=0.1308E-01 PERCENT ERROR= -0.2

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 3.00 65.70 762.00 0.37 5.00 65.58 760.00 0.37

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1658E+02 EXCESS=0.0000E+00 OUTFLOW=0.1658E+02 BASIN STORAGE=0.6115E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 3.00 63.28 762.00 0.36 5.00 63.10 760.00 0.36

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1614E+02 EXCESS=0.0000E+00 OUTFLOW=0.1614E+02 BASIN STORAGE=0.6029E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.75 60.85 759.00 0.35 5.00 60.77 760.00 0.35

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1570E+02 EXCESS=0.0000E+00 OUTFLOW=0.1570E+02 BASIN STORAGE=0.6936E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.75 58.40 759.00 0.34 5.00 58.35 760.00 0.34

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1527E+02 EXCESS=0.0000E+00 OUTFLOW=0.1527E+02 BASIN STORAGE=0.6838E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 3.00 56.16 762.00 0.33 5.00 55.85 760.00 0.33

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1484E+02 EXCESS=0.0000E+00 OUTFLOW=0.1484E+02 BASIN STORAGE=0.7199E-03 PERCENT ERROR= 0.0

FOR PLAN = 1 RATIO= 0.00

RT LLK MANE 2.75 53.62 761.75 0.32 5.00 53.60 760.00 0.32

CONTINUITY SUMMARY (AC-FT) - INFLOW=0.1442E+02 EXCESS=0.0000E+00 OUTFLOW=0.1442E+02 BASIN STORAGE=0.6542E-03 PERCENT ERROR= 0.0

1 SUMMARY OF DAM OVERTOPPING/BREACH ANALYSIS FOR STATION RRDON
(PEAKS SHOWN ARE FOR INTERNAL TIME STEP USED DURING BREACH FORMATION)

PLAN 1	INITIAL VALUE	SPILLWAY CREST	TOP OF DAM
ELEVATION	4970.15	4970.20	4975.60
STORAGE	1.	1.	23.
OUTFLOW	0.	0.	77.

RATIO OF PMF	MAXIMUM RESERVOIR W.S.ELEV	MAXIMUM DEPTH OVER DAM	MAXIMUM STORAGE AC-FT	MAXIMUM OUTFLOW CFS	DURATION OVER TOP HOURS	TIME OF MAX OUTFLOW HOURS	TIME OF FAILURE HOURS
1.00	4971.72	0.00	5.	28.	0.00	13.25	0.00
0.99	4971.67	0.00	5.	27.	0.00	13.17	0.00
0.98	4971.62	0.00	5.	26.	0.00	13.17	0.00
0.97	4971.56	0.00	5.	24.	0.00	13.17	0.00
0.96	4971.50	0.00	5.	23.	0.00	13.17	0.00
0.95	4971.44	0.00	4.	22.	0.00	13.08	0.00

*** NORMAL END OF HEC-1 ***