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FOUNTAIN HILLS

ORIGINAL HYDROLOGIC DATA

Section	Title
1.	Submittal letter
2.	Standard and executive control worksheets
3.	Some comparisons of different hydrologic models
4.	Hydrologic model printout (with hand written note dated March 22, 1971 stating that this model is without structures and for present condition)
5.	Flow chart and hydrologic model printout with structures (run date possibly April 15, 1971)
6.	Fountain Hills plat map (11-5-71)
7.	General plan of development (1970)
8.	Hydrologic model input and output printout
9.	Flood retardation structures location map (1974)
10.	Master drainage plan

1109 N. Sickles Drive
Tempe, Arizona
Telephone 968-8633 Area Code 602
Milton C. Cox, President
Gordon F. Freudig, P.E.
Charles Higginson, P.E.
Douglas W. Hawkins, P.E.
Zip Code 85281

7 June 1973

Maricopa County Flood Control District
3325 W. Durango Street
Phoenix, Arizona

Attention: Col. John Lowry

Gentlemen:

Enclosed is a copy of Master Drainage Control Study for Fountain Hills, Arizona. This map identifies flood control structures, natural washes and channels.

A 24 hour, 100 year storm (4.2" rainfall) was selected as an engineering parameter to determine the quantity, velocity and elevations of peak discharges at various watershed stream locations.

The Soil Conservation Service TR-20 Routing Computer Program was used to develop the overall flood control design.

The natural washes will be channelized according to the typical channel section, only where it is necessary, in order to meet the flow demands listed under the channel data.

The channels are so designed as to carry the maximum flow leaving one foot (1') of vertical free board. Dimensions are listed for the various channels according to the corresponding cross-sections.

When more precise data is acquired for unsubdivided areas within and affecting our design, we will make adjustments as necessary and forward an updated master map to the Maricopa County Flood Control District.

If you have any comments or recommendations, please advise.

JUN 19 73
RECEIVED
FLOOD CONTROL
DISTRICT

Respectfully,

TRICO INTERNATIONAL, INC.

Charles O. Higginson

Charles O. Higginson
Vice-President

CH:CRB:jc
Enclosure

STANDARD CONTR FOR WATERSHED

DATA CODE 2	SUBROUTINE OPERATION NAME 4-9	SUBROUTINE OPERATION NO. 18	X SECT. NO. 13-15	STRUCTURE NO. 16-18	HYDROGRAPH NUMBER IN1 19-20	HYDROGRAPH NUMBER IN2 21-22	HYDROGRAPH NUMBER OUTPUT 23-24	DATA FIELD #1 25-36	DATA FIELD #2 37-48	DATA FIELD #3 49-60	OUTPUT OPTIONS PK 61-62	OUTPUT OPTIONS H 63-64	OUTPUT OPTIONS E 65-66	OUTPUT OPTIONS V 67-68	OUTPUT OPTIONS PH 69-70		
6	RUNOFF	1		01 ← DEVELOP AN INFLOW HYDRO. TO STRUCTURE 01			6	AREA DA (sq. miles)	RUNOFF CURVE #	TIME OF CONCEN. Tc (HRS)	1	1		1			
											← PEAK DISCH, TIME TO PEAK & ELE. of MAX. WATER SURFACE IN R						
6	RESERVOIR	2		01	6		7	SURF. ELEV. @ T=0 (ft)			1	1	1	1			
			ROUTE THR. REACH TO X-SECT. 001					↑ ELE. of WATER SURFACE @ zero DISCHARGE					↑ ELE. CORRESPONDING TO DISCHARGE RATE FOR EACH MAIN TIME INCREME				
6	REACH	3	001		7		5	LENGTH OF REACH L (ft.)	ROUTING COEFF. (C) ↑ LEAVE BLANK MACHINE		1			1			
										When X-sect. tabular data is included will COMPUTE (C)							
6	RUNOFF	1	001				6	DA (Sq. miles)	RUNOFF CURVE #	Tc (HRS.)	1			1			
	↑ DEVELOP HYDRO. for LOCAL AREA bet. STR. 01 & X-SECT. 001																
6	ADDHYD ←	4	001		5	6	7				1	1		1			
			COMBINE TWO HYDROGRAPH									↑ PROT. DISCH. RATE FOR EACH MAIN TIME INCREMENT.					
6	SAVMOV	5	001		7		2										
	↑ TRANSFERS THE HYDRO. from computer storage element 7 to 2																

EXECUTIVE CONTROL FOR WATERSHED

DATA CODE	NAME	NO	13-15 X-SEC.	FROM 16-18 OR STRUCT	19-21 X-SEC	THRU 22-24 OR STRUCT	DATA FIELD #1	DATA FIELD #2	DATA FIELD #3		Rain Table NO. (1-9) 65		SOIL 1-DRY 2-NORM 3-WET 69	
7	INCREM	6		Should not be too large in relation to Tc nor. too small according to max. computed time period (Tmax)			0.2 ← MAIN TIME INCREMENT (HRS)	← All computed described for 0.2 hr.	HYDRO. will be time intervals of					
7	COMPUT	7		01	007		STARTING TIME (HRS.) 0.0	RAINFALL DEPTH (INCH) 2.5 (SET DEPTH 1.0 for actual Rainfall)	RAINFALL DUR. (HRS) 1.0 DUR. to	See Table 1	1		2	
										Depth is dimensionless while time is in 24 hrs. (total)				
—	ENDCMP	1	ENDCMP will cause computer to reset all hydrograph ordinate to zero and search for new tabular data and/or modifications to SC data & Reinitiate computations at top of watershed (or commencing with X-sect. or Struct under FROM)											

JOE CHOPRA

Note: The velocity for any reach is computed using $V = \frac{1.486}{n} \cdot R^{2/3} \cdot S^{1/2}$

In our calculations we used $n = 0.035$, $R = 2$

$\therefore V = 67.586\, S^{1/2}$

Tc — Time of concentration is computed as follows $T_c = \frac{L}{24 \cdot 3600 \cdot V^{1/2}}$ (hours)

This table is in the TR20 PROGRAMME

SAMPLE

ROUTING COEFFICIENT TABLE C VS. VELOCITY

SCS-268
5-64

Watershed: Sample Hydrologist: ABC. Date: 10/25/63

DATA CODE	TABLE NAME	DATA FIELD #1	DATA FIELD #2	DATA FIELD #3	DATA FIELD #4	DATA FIELD #5	CARD NO. / IDENTIFICATION
		IMPORTANT: Line out unused cards. Data fields require decimal points. KEYPUNCHER: Left justify data fields.					
		VELOCITY INCREMENT, FT/SEC					
1	CTABLE		0.20				1
		Enter successive entries left to right with initial entry for velocity = 0. Fill last row of data with last entry of table.					
		C V	C V	C V	C V	C V	
8		.00 0	.08 0.2	.18 0.4	.25 0.6	.32 0.8	2
8		.37 1	.41 1.2	.45 1.4	.49 1.6	.51 1.8	3
8		.54 2	.57 2.2	.59 2.4	.61 2.6	.63 2.8	4
8		.65 3	.66 3.2	.67 3.4	.69 3.6	.70 3.8	5
8		.71 4	.72 4.2	.73 4.4	.74 4.6	.75 4.8	6
8		.76 5	.77 5.2	.77 5.4	.78 5.6	.79 5.8	7
8		.79 6	.80 6.2	.81 6.4	.81 6.6	.82 6.8	8
8		.82 7	.83 7.2	.83 7.4	.84 7.6	.84 7.8	9
8		.84 8	.85 8.2	.85 8.4	.86 8.6	.86 8.8	10
8		.86 9	.86 9.2	.87 9.4	.87 9.6	.87 9.8	11
8		.88 10	.88 10.2	.88 10.4	.89 10.6	.89 10.8	12
8		.89 11	.89 11.2	.89 11.4	.89 11.6	.90 11.8	13
8		.90 12	.90 12.2	.90 12.4	.90 12.6	.91 12.8	14
8		.91 13	.91 13.2	.91 13.4	.91 13.6	.91 13.8	15
8		.92 14	.92 14.2	.92 14.4	.92 14.6	.92 14.8	16
8		.92 15	.92 15.2	.92 15.4	.93 15.6	.93 15.8	17
		C V	C V	C V	C V	C V	
9	ENDTBL		NOTE: This card must be the last card of this table.				18

Line/card	Velocity ft/sec	"C"
2	0	0
	0.2	0.08
	.4	.18
	.6	.25
	.8	.32
3	1.0	.37
	1.2	.41
	1.4	.45
	1.6	.49
	1.8	.51
4	2.0	.54
	2.2	.57
	2.4	.59
	2.6	.61
etc	etc	etc

WATERSHED PROGRAM, SOIL CONSERVATION SERVICE, SEPT. 30, 196

Note: for reaches we approximately find out the value of C vs. Velocity from this table & then complete the rest of

Exhibit 3

JOE CHOPRA

DIMENSIONLESS HYDROGRAPH TABLE, DISCHARGE VS. TIME

SCS-266
5-64

Watershed *Sample* Hydrologist *ABC* Date *10/25/63*

DATA CODE	TABLE NAME	DATA FIELD #1	DATA FIELD #2	DATA FIELD #3	DATA FIELD #4	DATA FIELD #5	CARD NO./ IDENTIFICATION

IMPORTANT: Line out unused cards. Data fields require decimal points. KEYPUNCHER: Left justify data fields.

DIMENSIONLESS TIME INCREMENT (Last entry must be for dimensionless time 1.0)

4	DIMHYD	0.02					19

Enter successive entries left to right with initial entry for time = 0. Fill last row of data with last entry of table.

8	.000 0	.015 .02	.075 .04	.160 .06	.280 .08		20
8	.430 .10	.600 .12	.770 .14	.890 .16	.970 .18		21
8	1.000 .20	.980 .22	.920 .24	.840 .26	.750 .28		22
8	.660 .30	.565 .32	.490 .34	.420 .36	.365 .38		23
8	.320 .40	.279 .42	.240 .44	.210 .46	.180 .48		24
8	.155 .50	.130 .52	.113 .54	.098 .56	.086 .58		25
8	.075 .60	.065 .62	.056 .64	.047 .66	.041 .68		26
8	.035 .70	.030 .72	.026 .74	.022 .76	.019 .78		27
8	.017 .80	.015 .82	.013 .84	.011 .86	.009 .88		28
8	.007 .90	.005 .92	.003 .94	.002 .96	.001 .98		29
8	.000 1.00	.000	.000	.000	.000		30
8	q/qp T/Tb	q/qp T/Tb	q/qp T/Tb	q/qp T/Tb	q/qp T/Tb		31
9	ENDTBL						

Ref: KCS 4, Chapter 16

Line/card	Time Ratio T/Tb	Discharge Ratio q/qp
20	0	0
	0.02	0.015
	.04	.075
	.06	.160
	.08	.280
21	.10	.430
	.12	.600
	.14	.770
	.16	.890
	.18	.970
22	.20	1.000
	.22	.980
	.24	.920
	.26	.840
	.28	.750
23	.30	.660
	etc	etc

NOTE: This card must be the last card of this table.

WATERSHED PROGRAM, SOIL CONSERVATION SERVICE, SEPT. 30, 1963

Exhibit 4

JOE CHOPRA

CUMULATIVE RAINFALL TABLE, FOR ONE-DAY WATERSHED EVALUATION STORMS

J.C.C.

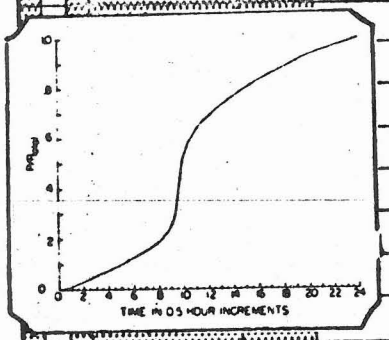
THIS TABLE IS IN $TR20

CUMULATIVE RAINFALL TABLE, FOR ONE-DAY WATERSHED EVALUATION STORMS

SCS-272(a) Rev.

Watershed *Sample* Hydrologist *ABC.* Date *10/25/63*

DATA CODE	TABLE ID NAME	TABLE ID NO.	DATA FIELD #1	DATA FIELD #2	DATA FIELD #3	DATA FIELD #4	DATA FIELD #5	CARD NO. / IDENTIFICATION
			IMPORTANT: Line out unused cards. Data fields require decimal points. KEYPUNCHER: Left justify data fields.					
		TABLE NO.		TIME INCREMENT*				
5	RAINFL	1		0.5				32
			Enter successive entries left to right with first entry for time = 0. Fill last row of data with last entry of table.					
8			.000 0.00	.008 0.50	.017 1.0	.026 1.5	.035 2.0	33
			.045 2.5	.055 3.0	.065 3.5	.076 4.0	.087 4.5	34
			.099 5.0	.112 5.5	.125 6.0	.140 6.5	.156 7.0	35
			.174 7.5	.194 8.0	.219 8.5	.254 9.0	.303 9.5	36
			.515 10.0	.583 10.5	.624 11.0	.654 11.5	.682 12.0	37
			.705 12.5	.727 13.0	.748 13.5	.767 14.0	.784 14.5	38
			.800 15.0	.816 15.5	.830 16.0	.844 16.5	.857 17.0	39
			.870 17.5	.882 18.0	.893 18.5	.905 19.0	.916 19.5	40
			.926 20.0	.936 20.5	.946 21.0	.955 21.5	.965 22.0	41
8			.974 22.5	.983 23.0	.992 23.5	1.000 24.0	1.000 24.5	42
			Value	Time (Hrs)	Value	Time (Hrs)	Value	Time (Hrs)
9	ENDTBL		NOTE: This card must be the last card of this table.					43



WATERSHED PROGRAM, SOIL CONSERVATION SERVICE, SEPT. 30, 19

*Time increment is 0.5 hour. On "Executive Control for Watershed" (SCS-274) form set DATA FIELD #2 to actual rainfall depth and rainfall duration, DATA FIELD #3, to 1.0.

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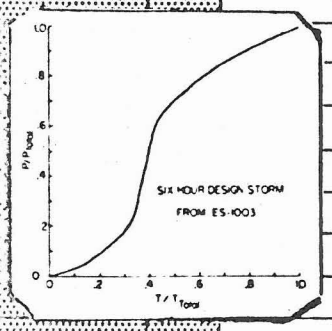
Exhibit 5

CUMULATIVE RAINFALL TABLE, FOR EMERGENCY SPILLWAY OR FREEBOARD HYDROGRAPHS

SCS-272(b)
Rev.

Watershed Sample Hydrologist ABC. Date 10/25/63

DATA CODE	TABLE ID NAME	TABLE ID NO.	DATA FIELD #1	DATA FIELD #2	DATA FIELD #3	DATA FIELD #4	DATA FIELD #5	CARD IDENTIFICATION
			IMPORTANT: Line out unused cards. Data fields require decimal points. KEYPUNCHER: Left justify data fields.					
		TABLE NO.		TIME INCREMENT*				
5	RAINFL	2		.02				44
			Enter successive entries left to right with first entry for time = 0. Fill last row of data with last entry of table.					
8			.00 .00	.01 .02	.02 .04	.02 .06	.03 .08	45
8			.04 .10	.05 .12	.06 .14	.07 .16	.08 .18	46
8			.10 .20	.11 .22	.13 .24	.14 .26	.17 .28	47
8			.19 .30	.22 .32	.27 .34	.35 .36	.44 .38	48
8			.52 .40	.60 .42	.63 .44	.66 .46	.68 .48	49
8			.70 .50	.72 .52	.74 .54	.76 .56	.77 .58	50
8			.79 .60	.80 .62	.82 .64	.83 .66	.84 .68	51
8			.85 .70	.87 .72	.88 .74	.89 .76	.90 .78	52
8			.91 .80	.92 .82	.93 .84	.94 .86	.95 .88	53
8			.9567 .90	.9633 .92	.97 .94	.98 .96	.99 .98	54
8			1.00 1.00	1.00	1.00	1.00	1.00	55
			P/P total T/T total	P/P total T/T total	P/P total T/T total	P/P total T/T total	P/P total T/T total	
9	ENDTBL		NOTE: This card must be the last card of this table.					56



WATERSHED PROGRAM, SOIL CONSERVATION SERVICE, SEPT. 30, 1963

*Time increment is 0.02 of unit duration, hence storm duration and rainfall depth need to be shown in DATA FIELDS #3 and #2 respectively on "Executive Control for Watershed" (SCS-274) form.

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Exhibit 6

CUMULATIVE RAINFALL TABLE, ACTUAL

SCS-271 Sample Hydrologist ABC. Date 10/25/63

Exhibit 6

Note this table is to be used only if we want to put in our ACTUAL Rainfall Table

CUMULATIVE RAINFALL TABLE, ACTUAL

SCS-271
5-64

Watershed *Sample* Hydrologist *ABC.* Date *10/25/63*

DATA CODE	TABLE ID NAME	TABLE ID NO.	DATA FIELD #1	DATA FIELD #2	DATA FIELD #3	DATA FIELD #4	DATA FIELD #5	CARD NO. / IDENTIFICATION
5	RAINFL	3		2.0				57

IMPORTANT: Line out unused cards. Data fields require decimal points. KEYPUNCHER: Left justify data fields.

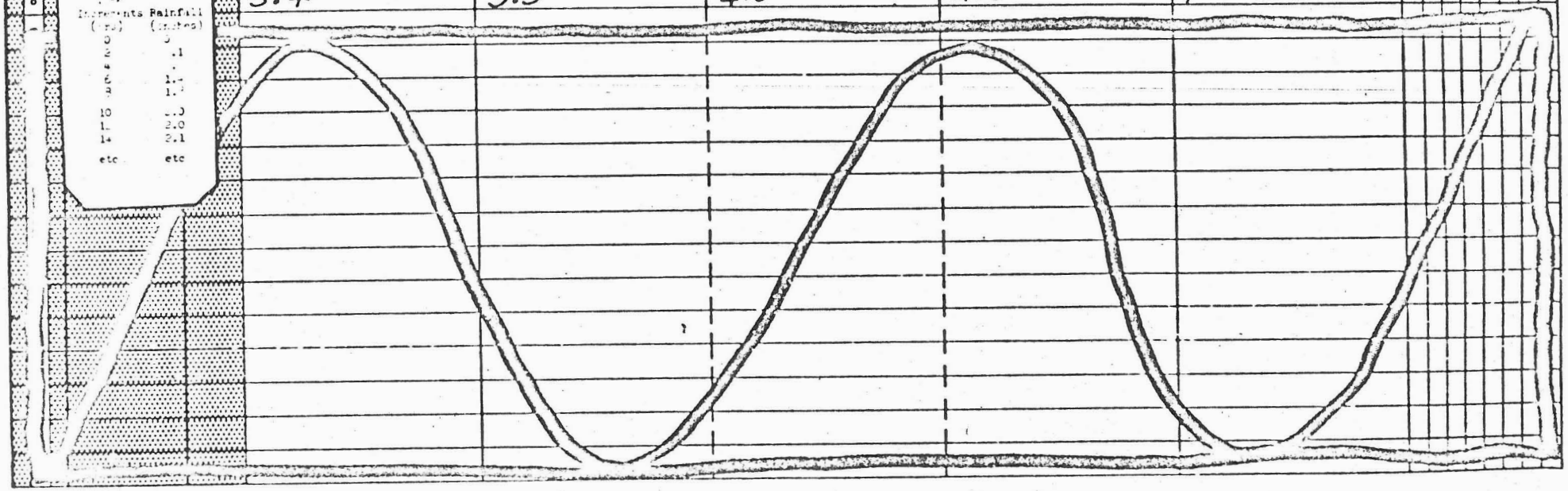
TABLE NO — Must be a number between 5 and 9 inclusive, with a different number for each storm.

TIME INCREMENT — In hours for natural storms.

Enter successive entries left to right with first entry for time = 0. Fill last row of data with last entry of table.

8	0.0	0.1	0.7	1.4	1.8	58
8	2.0	2.0	2.1	2.3	2.7	59
8	3.4	3.9	4.0	4.0	4.0	60

Accumulated Time Increments (hrs)	Rainfall (inches)
0	0
2	.1
4	[illegible]
6	1.[illegible]
8	1.[illegible]
10	[illegible]
12	2.0
14	2.1
etc	etc



9 ENDTBL — NOTE: This card must be the last card of this table. 61

WATERSHED PROGRAM, SOIL CONSERVATION SERVICE, SEPT. 30, 1963

Exhibit 7

JOE CHOPRA

JOB SAMPLE "C" WATERSHED

BY J.C.C. DATE 4/15/71

T.R. 20 PROGRAMME

WRITTEN AS:	SEE PAGE No. 1 & 2									
PUNCH AS.										

NOTES

TR-20 STANDARD CONTROL FOR "C" WATERSHED, FOUNTAIN HILLS

DATA CODE	SUBROUTINE NAME (1-10)	NO	X-SEC NO (11-20)	STR NO	HYDROGRAPH IN-PUT	IN-PUT	OUT-PUT	DATA FIELD NO 1 (21-30)	DATA FIELD NO 2 (31-40)	DATA FIELD NO 3 (41-50)	DATA FIELD (51-60)	OUTPUT OPTIONS PRINT PEAK	HYD	PLOT	UNIT	PUNCH	SUM	CARD IDENTIF 71-80
6	RUNOFF	1	1				6	3. [Sq. MILES]	90. CURVE NO.	.38 Tc (HOURS)								
6	REACH	3	2				5	1500. LENGTH OF REACH]	.92 [C Vs Velocity Table]	→ PAGE 3								EITHER ARRANGEMENT CAN BE USED
6	RUNOFF	1	2				6	0.1	90.	.03								
6	ADD HYD	4	2				7	ADDED Hydrographs from 5 & 6, and put in 7										
6	REACH	3	3					3000.	.86	—								This Data is for one tributary only. (No. I)
6	RUNOFF	1	3				5	0.16	90.	.10								
6	ADD HYD	4	3				7	—	—	—								
6	RESVOR	2		5			5	1800. (Bottom Ele of RESERVOIR)	—	—								
6	REACH	3	4				6	4750.	.88	—								
6	RUNOFF	1	4				5	0.13	90.	.13								
6	ADD HYD	4	4				7	—	—	—								
6	REACH	3	5				5	1750.	.88	—								
6	RUNOFF	1	5				6	0.16	90.	.05								
6	ADD HYD	4	5				7	—	—	—								
6	REACH	3	6				6	3250.	.87	—								
6	RUNOFF	1	6				5	0.15	90.	.10								
6	ADD HYD	4	6				7	—	—	—								
6	RESVOR	2	27				5	1630.	—	—								
6	SAMVOL	5	6				1	(TEMPORARILY SAVED IN (1))										

JOE CHOPRA

J.C.C.

T.R. 20 PROGRAMME STRUCTURE DATA (SAMPLE)

JOB	SAMPLE "C" WATERSHED
BY	J.C.C.
DATE	4/15/71

WRITTEN AS:											
PUNCH AS:											

NOTES

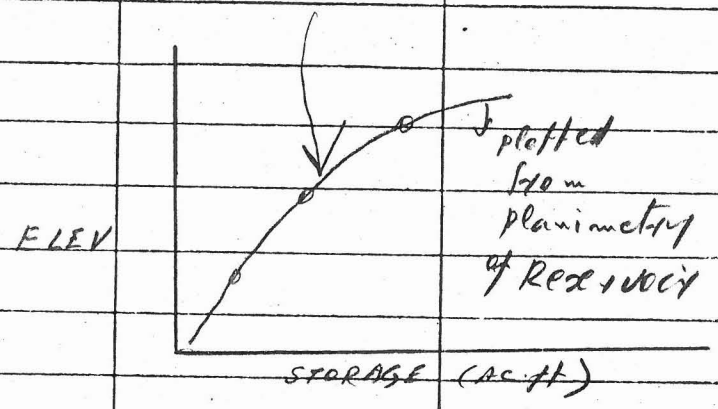
TR-20 STRUCTURE DATA

DATA CODE	SUBROUTINE IDENTIFICATION NAME 1-10	NO	X-SEC NO 11-20	STR NO	HYDROGRAPH IN-PUT	IN-PUT	OUT-PUT	DATA FIELD NO 1 21-30	DATA FIELD NO 2 31-40	DATA FIELD NO 3 41-50	DATA FIELD 51-60	OUTPUT OPTIONS PRINT PEAK	HYD	FLOW	HYD	PUNCH	SUM	CARD IDENTIF 71-80
3	STRUCT			5				(ELEVation)	storage (ac.ft)	Discharge (cfs)								
8								1800.	000.	000.								
8								1804.	192.7	9.6								
8								1808.	248.7	16.0								
8								1812.	294.3	25.0								
8								1816.	333.7	36.0								
8								1820.	368.9	48.0								
8								1824.	401.1	66.0								
8								1828.	430.8	90.0								
8								1830.	445.0	105.0								
9	ENDTBL																	

Same as in standard Data

Must be zero

DEPENDS ON PIPE USED



plotted from planimetry of Reservoir

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X-SECT OR STR. #	Q_1 (C.F.S.) C = 86	Q_2 (C.F.S.) C = 88	Q_3 (C.F.S.) C = 90	Q_4 (C.F.S.) C = 92	Q_5 (C.F.S.) C = 94	$V_2 = \frac{Q_2}{Q_1} \times 100$	$V_3 = \frac{Q_3}{Q_1} \times 100$	$V_4 = \frac{Q_4}{Q_1} \times 100$	$V_5 = \frac{Q_5 - Q_1}{Q_1} \times 100$
1X	119.12	124.87	130.31	135.37	139.87	4.83	9.39	13.64	17.42
2X	108.44	113.87	119.12	124.12	128.44				
2X	377.75	396.12	411.63	429.37	442.00				
2X	481.69	506.19	527.37	548.00	566.50	5.09	9.48	13.77	17.61
21X	317.06	332.62	347.25	360.75	371.88	4.91	9.52	13.78	17.29
22X	281.31	296.44	310.69	324.37	336.12				
22X	233.94	245.87	257.12	267.56	276.87	5.10	9.91	14.37	18.35
22X	506.37	530.94	558.19	579.94	600.31	4.85	10.23	14.53	18.55
3X	990.94	1037.37	1086.56	1132.00	1170.00	4.69	9.65	14.23	18.07
20S	157.65	161.92	166.18	170.25	174.09	2.71	5.41	7.99	10.43
4X	157.30	161.86	166.00	170.27	174.14				
4X	221.94	231.81	241.62	250.19	258.00				
4X	332.56	346.62	361.56	376.25	388.12	4.23	8.72	13.14	16.71
25X	595.56	622.81	651.06	676.25	698.69	4.58	9.32	13.55	17.32
25X	564.25	592.19	619.56	643.19	665.81				
X	411.94	433.19	452.19	471.00	486.81				
X	984.38	1029.81	1075.12	1118.06	1155.50	4.62	9.22	13.58	17.38
5X	1316.00	1377.00	1436.00	1494.00	1546.00	4.64	9.12	13.53	17.48
6X	1176.62	1243.00	1301.00	1356.00	1406.00				
6X	194.88	204.69	214.19	222.94	230.75				
6X	1364.00	1433.00	1505.00	1569.00	1622.00				
8X	1290.00	1358.00	1426.00	1485.00	1544.00				
8X	485.44	510.69	533.06	555.06	574.75				
8X	1748.00	1840.00	1932.00	2010.00	2084.00				
31X	523.13	548.75	570.12	590.31	608.56				
9X	2256.00	2372.00	2479.00	2581.00	2668.00				
10X	2176.00	2287.00	2395.00	2495.00	2582.00	5.10	10.06	14.66	19.12
10X	141.69	148.00	153.87	159.50	164.31				
10X	2314.00	2432.00	2540.00	2645.00	2741.00				
22S	295.32	303.42	312.77	321.45	328.73	2.74	5.91	8.85	11.31
32X	301.75	315.56	328.69	340.94	351.56				
X	514.56	533.81	551.94	567.56	583.62				
X	493.56	511.75	529.06	546.44	560.69				
12X	260.62	272.81	284.37	294.94	304.44				
12X	745.94	776.88	804.56	832.69	858.06				
13X	684.25	715.19	743.69	770.62	795.19				
13X	429.44	451.56	471.31	489.75	507.44				
13X	1097.12	1146.94	1192.44	1240.50	1283.19				
33X	371.44	390.63	407.50	423.69	438.19				
14X	1465.00	1534.00	1596.00	1657.00	1710.00				
15X	1371.00	1439.00	1499.00	1561.00	1614.00				
15X	280.75	295.31	309.75	323.19	335.19				
15X	1647.00	1724.00	1804.00	1876.00	1944.00				
17X	220.69	230.81	240.44	249.75	257.50				
16X	1858.00	1950.00	2036.00	2115.00	2188.00	4.95	9.58	13.83	17.76

TR. NO OR SECT. NO.	EXISTING CONDITIONS (NO STRUCTURES, C = 86)								FUTURE CONDITIONS WITHOUT STRUCTURES (C = 90)								FUTURE CONDITIONS WITH STRUCTURES (C = 90)							
	CHOP 2				TE				CHOP 2 (C=86)				TWOS (C=90)				CHOP 2 (C=86)				TWS (C=90)			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
TR. 23	339.31	300.56	271.37	232.81	358.19	317.00	286.31	245.44					391.31	350.56	319.81	278.44	120.10	105.52	95.03	80.96	140.48	125.51	114.30	98.90
TR. 18	592.06	521.63	470.37	403.56	606.37	535.19	483.94	412.69					666.62	596.12	543.37	471.12	360.25	360.13	360.19	360.06	360.25	360.31	360.13	360.25
TR. 2	959.75	847.12	762.69	650.56	963.69	851.56	766.88	653.31					1065.50	951.50	864.00	751.94	200.77	196.52	199.72	203.84	199.60	193.92	191.56	191.60
SEC. 165	339.31	300.56	271.37	232.81	358.19	317.00	286.31	245.44					391.31	350.56	319.81	278.44	339.31	300.56	271.37	232.81	391.31	350.56	319.81	278.44
SEC. 166	592.06	521.63	470.37	403.56	606.37	535.19	483.94	412.69					666.62	596.12	543.37	471.12	362.00	319.94	288.31	246.44	403.69	360.06	327.94	284.75
SEC 167	959.75	847.12	762.69	650.56	963.69	851.56	766.88	653.31					1065.50	951.50	864.00	751.94	553.69	495.00	458.56	417.50	596.44	537.69	491.44	429.31
SEC. 168	1357.00	1198.00	1082.00	920.56	1375.00	1216.00	1093.00	934.87					1515.00	1354.00	1234.00	1069.00	571.69	523.25	503.31	463.69	617.56	562.19	520.19	472.62
SEC. 160	395.31	350.00	315.25	269.38	406.69	360.31	324.50	277.13					447.81	401.56	365.75	318.50	395.31	350.00	315.25	269.38	449.81	401.56	365.75	318.50
	$Q_1 = 1\%$	$Q_2 = 2\%$	$Q_3 = 4\%$	$Q_4 = 10\%$																				
	100 YRS	50 YRS	25 YRS	10 YRS																				

TEST REACH (FOUNTAIN HILL)

USE CHOP

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IIIIIIII    DDDDDDDDDDD                    0000000        0000000        88888888888    BBBBBBBBBBBB
IIIIIIII    DDDDDDDDDDDD                 000000000      000000000      8888888888888    BBBBBBBBBBBBB
   II       DD        DD                 00      00     00      00     88        88     BB        BB
   II       DD        DD  ============   00      00     00      00     88        88     BB        BB
   II       DD        DD  ============   00      00     00      00     88        88     BB        BB
   II       DD        DD                 00      00     00      00     88888888888     BBBBBBBBBBB
   II       DD        DD                 00      00     00      00     88888888888     BBBBBBBBBBB
   II       DD        DD  ============   00      00     00      00     88        88     BB        BB
   II       DD        DD  ============   00      00     00      00     88        88     BB        BB
   II       DD        DD                 00      00     00      00     88        88     BB        BB
IIIIIIII    DDDDDDDDDDDD                 000000000      000000000      8888888888888    BBBBBBBBBBBBB
IIIIIIII    DDDDDDDDDDD                    0000000        0000000        88888888888    BBBBBBBBBBBB

PPPPPPPPPPP     AAAAAAAAAAA     555555555555     0000000     555555555555     CCCCCCCCCCC
PPPPPPPPPPPP    AAAAAAAAAAAA    555555555555    000000000    555555555555     CCCCCCCCCCCC
P       PP      AA        AA    55              00      00  55               CC        CC
P       PP      AA        AA    55              00      00  55               CC
P       PP      AA        AA    55              00      00  55               CC
PPPPPPPPPPPP    AAAAAAAAAAAA    555555555555    00      00  555555555555     CC
PPPPPPPPPPP     AAAAAAAAAAAA    555555555555    00      00  555555555555     CC
P               AA        AA            55      00      00          55       CC
P               AA        AA            55      00      00          55       CC
P               AA        AA    55      55      00      00  55      55       CC        CC
P               AA        AA    555555555555    000000000   555555555555     CCCCCCCCCCCC
P               AA        AA    555555555555    0000000     555555555555     CCCCCCCCCCC
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MARCH 22, 1971 W/O STRUCTURES - "C" Ru

(TO BE USED FOR COMPARISON OF COSTS W/ STRUCTURES VS. W/O. STRUCTURES)

PRESENT

CONDITIO

without I

RECEIVED
FLOOD CONTROL
DISTRICT

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IIIIIIII    DDDDDDDDDDD                    0000000        0000000        88888888888    BBBBBBBBB
IIIIIIII    DDDDDDDDDDDD                 000000000      000000000      888888888888888  BBBBBBBBBB
   II       DD        DD                 00      00     00      00     88        88     BB
   II       DD        DD   ============   00      00     00      00     88        88     BB
   II       DD        DD   ============   00      00     00      00     88        88     BB
   II       DD        DD                 00      00     00      00       88888888888    BBBBBBBBB
   II       DD        DD                 00      00     00      00       88888888888    BBBBBBBBB
   II       DD        DD   ============   00      00     00      00     88        88     BB
   II       DD        DD   ============   00      00     00      00     88        88     BB
   II       DD        DD                 00      00     00      00     88        88     BB
IIIIIIII    DDDDDDDDDDDD                 000000000      000000000      888888888888888  BBBBBBBBBB
IIIIIIII    DDDDDDDDDDD                    0000000        0000000        88888888888    BBBBBBBBB
```

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PPPPPPPPPPPP     AAAAAAAAAAAA     555555555555     0000000     555555555555     CCCCCCCCCCCC
PPPPPPPPPPPPP    AAAAAAAAAAAAA    5555555555555    000000000   5555555555555    CCCCCCCCCCCCCC
PP          PP   AA          AA   55             00      00     55               CC          CC
PP          PP   AA          AA   55             00      00     55               CC
PP          PP   AA          AA   55             00      00     55               CC
PPPPPPPPPPPPP    AAAAAAAAAAAAAA   555555555555   00      00     555555555555     CC
PPPPPPPPPPPP     AAAAAAAAAAAAAA   555555555555   00      00     555555555555     CC
PP               AA          AA             55   00      00               55     CC
PP               AA          AA             55   00      00               55     CC
PP               AA          AA   55        55   00      00     55        55     CC          CC
PP               AA          AA   5555555555555    000000000   5555555555555    CCCCCCCCCCCCCC
PP               AA          AA    555555555555     0000000     555555555555     CCCCCCCCCCCC
```

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16:25 MAR 19,'71 ID=008B-1C1
JBB PA505C,CHSPRA,5
ASSIGN F:1,(FILE,SUMRY),(BUTIN)
ASSIGN F:2,(FILE,SK1),(BUTIN)
RUN (LMN,$TR20)
EXECUTION  16:25
```

HYDROLOGY PROGRAM FOR SIGMA 5 - DATED APRIL, 1970

GOOD MORNING GEORGE

TR-20 ROUTING.

EXECUTIVE CONTROL CARD

OPERATION LIST

GOOD MORNING GEORGE

C TABLE VELOCITY INCREMENT = .200

8	.0000	.0800	.1800	.2500	.3200
8	.3700	.4100	.4500	.4900	.5100
8	.5400	.5700	.5900	.6100	.6300
8	.6500	.6600	.6700	.6900	.7000
8	.7100	.7200	.7300	.7400	.7500
8	.7600	.7700	.7700	.7800	.7900
8	.7900	.8000	.8100	.8100	.8200
8	.8200	.8300	.8300	.8400	.8400
8	.8400	.8500	.8500	.8600	.8600
8	.8600	.8600	.8700	.8700	.8700
8	.8800	.8800	.8800	.8900	.8900
8	.8900	.8900	.8900	.8900	.9000
8	.9000	.9000	.9000	.9000	.9100
8	.9100	.9100	.9100	.9100	.9100
8	.9200	.9200	.9200	.9200	.9200
8	.9200	.9200	.9200	.9300	.9300
8	.9300	.9300	.9300	.9300	.9300

9 ENDTBL

DIMENSIONLESS HYDROGRAPH - DELTA T = .02

8	.0000	.0150	.0750	.1600	.2800
8	.4300	.6000	.7700	.8900	.9700
8	1.0000	.9800	.9200	.8400	.7500
8	.6600	.5650	.4900	.4200	.3650
8	.3200	.2790	.2400	.2100	.1800
8	.1550	.1300	.1130	.0980	.0860
8	.0750	.0650	.0560	.0470	.0410
8	.0350	.0300	.0260	.0220	.0190
8	.0170	.0150	.0130	.0110	.0090
8	.0070	.0050	.0030	.0020	.0010
8	.0000	.0000	.0000	.0000	.0000
8	.0000	.0000	.0000	.0000	.0000

RAINFALL TABLE NO. 2 TIME INCREMENT = .50

8	.0000	.0050	.0110	.0160	.0220
8	.0280	.0360	.0410	.0480	.0560
8	.0630	.0710	.0800	.0890	.0980
8	.1090	.1200	.1330	.1470	.1630
8	.1810	.2040	.2350	.2830	.6630
8	.7350	.7720	.7990	.8200	.8380
8	.8540	.8680	.8800	.8910	.9020
8	.9120	.9210	.9290	.9370	.9450
8	.9520	.9590	.9650	.9720	.9780
8	.9840	.9890	.9950	1.0000	1.0000
8					
9 ENDTBL					

STANDARD CONTROL INSTRUCTIONS

SUBRTN	XSECTN	STRCT	HYDROGRAPHS IN1	IN2	OUT	DATA NO. 1	DATA NO. 2	DATA NO. 3	OUTPUT OPTIONS PK	H	E	V	PH	SM
RUNOFF	21	0	0	0	6	.320	90.000	.194	1	0	0	1	0	1
REACH	22	0	6	0	5	4000.000	.920	.000	1	0	0	1	0	1
RUNOFF	22	0	0	0	6	.200	90.000	.074	1	0	0	1	0	1
ADDHYD	22	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	26	7	0	5	1960.000	.000	.000	1	0	0	1	0	1
REACH	23	0	5	0	6	2500.000	.900	.000	1	0	0	1	0	1
RUNOFF	23	0	0	0	5	.080	90.000	.057	1	0	0	1	0	1
ADDHYD	23	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	23	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	51	0	0	0	6	.080	90.000	.139	1	0	0	1	0	1
REACH	52	0	6	0	5	1500.000	.930	.000	1	0	0	1	0	1
RUNOFF	52	0	0	0	6	.100	90.000	.074	1	0	0	1	0	1
ADDHYD	52	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	53	0	7	0	5	1500.000	.930	.000	1	0	0	1	0	1
RUNOFF	53	0	0	0	6	.150	90.000	.056	1	0	0	1	0	1
ADDHYD	53	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	54	0	7	0	5	3200.000	.920	.000	1	0	0	1	0	1
RUNOFF	54	0	0	0	6	.110	90.000	.047	1	0	0	1	0	1
ADDHYD	54	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	23	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	7	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	12	5	0	7	1880.000	.000	.000	1	0	0	1	0	1
REACH	25	0	7	0	6	2500.000	.900	.000	1	0	0	1	0	1
RUNOFF	25	0	0	0	5	.110	90.000	.065	1	0	0	1	0	1
ADDHYD	25	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	25	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	61	0	0	0	6	.240	90.000	.204	1	0	0	1	0	1
RESVOR	0	30	6	0	5	1950.000	.000	.000	1	0	0	1	0	1
REACH	62	0	5	0	6	3500.000	.890	.000	1	0	0	1	0	1
RUNOFF	62	0	0	0	5	.220	90.000	.102	1	0	0	1	0	1
ADDHYD	62	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	25	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	26	0	7	5	6	.000	.000	.000	1	0	0	1	0	1
SAVMOV	26	0	6	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	65	0	0	0	6	.230	90.000	.157	1	0	0	1	0	1
REACH	66	0	6	0	5	3000.000	.900	.000	1	0	0	1	0	1
RUNOFF	66	0	0	0	6	.080	90.000	.068	1	0	0	1	0	1
ADDHYD	66	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	26	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ASSHYD	8	0	7	6	5	.000	.000	.000	1	0	0	1	0	1

RESV9R	0	11	5	0	7	1784.000	.000	.000	1	0	0	1	0	1
REACH	28	0	7	0	6	3500.000	.730	.000	1	0	0	1	0	1
RUN8FF	28	0	0	0	5	.330	90.000	.100	1	0	0	1	0	1
ADDHYD	28	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVM8V	28	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUN8FF	72	0	0	0	6	.180	90.000	.139	1	0	0	1	0	1
REACH	73	0	6	0	5	2000.000	.920	.000	1	0	0	1	0	1
RUN8FF	73	0	0	0	6	.160	90.000	.064	1	0	0	1	0	1
ADDHYD	73	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RUN8FF	71	0	0	0	6	.160	90.000	.212	1	0	0	1	0	1
ADDHYD	74	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESV9R	0	37	5	0	6	1804.000	.000	.000	1	0	0	1	0	1
SAVM8V	28	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	29	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	30	0	7	0	5	2000.000	.750	.000	1	0	0	1	0	1
UN8FF	30	0	0	0	6	.090	90.000	.047	1	0	0	1	0	1
DDHYD	30	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVM8V	30	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUN8FF	81	0	0	0	6	1.060	90.000	.100	1	0	0	1	0	1
RESV9R	0	14	6	0	5	2175.000	.000	.000	1	0	0	1	0	1
REACH	82	0	5	0	7	3500.000	.920	.000	1	0	0	1	0	1
RUN8FF	82	0	0	0	6	.420	90.000	.077	1	0	0	1	0	1
ADDHYD	82	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	84	0	5	0	6	2000.000	.930	.000	1	0	0	1	0	1
RUN8FF	84	0	0	0	5	.140	90.000	.068	1	0	0	1	0	1
ADDHYD	84	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
RESV9R	0	7	7	0	5	1888.000	.000	.000	1	0	0	1	0	1
REACH	85	0	5	0	6	7000.000	.930	.000	1	0	0	1	0	1
RUN8FF	85	0	0	0	5	.320	90.000	.180	1	0	0	1	0	1
ADDHYD	85	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVM8V	30	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
DDHYD	31	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
VM8V	31	0	5	0	1	.000	.000	.000	1	0	0	1	0	1
UN8FF	11	0	0	0	6	1.250	90.000	.342	1	0	0	1	0	1
RESV9R	0	6	6	0	5	1896.000	.000	.000	1	0	0	1	0	1
REACH	12	0	5	0	7	2000.000	.910	.000	1	0	0	1	0	1
RUN8FF	12	0	0	0	6	.700	90.000	.200	1	0	0	1	0	1
ADDHYD	12	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	14	0	5	0	6	3000.000	.870	.000	1	0	0	1	0	1
RUN8FF	14	0	0	0	5	.210	90.000	.090	1	0	0	1	0	1
ADDHYD	14	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	15	0	7	0	5	4000.000	.850	.000	1	0	0	1	0	1
RUN8FF	15	0	0	0	6	.220	90.000	.941	1	0	0	1	0	1
ADDHYD	15	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	16	0	7	0	5	2000.000	.910	.000	1	0	0	1	0	1

RUNOFF	16	0	0	0	6	.050	90.000	.051	1	0	0	1	0	1
ADDHYD	16	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMSV	31	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	32	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	4	5	0	7	1700.000	.000	.000	1	0	0	1	0	1
REACH	33	0	7	0	6	1200.000	.890	.000	1	0	0	1	0	1
RUNOFF	33	0	0	0	5	.090	90.000	.059	1	0	0	1	0	1
ADDHYD	33	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	35	0	7	0	5	2500.000	.830	.000	1	0	0	1	0	1
RUNOFF	35	0	0	0	6	.100	90.000	.094	1	0	0	1	0	1
ADDHYD	35	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMSV	35	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	94	0	0	0	6	.071	90.000	.162	1	0	0	1	0	1
REACH	92	0	6	0	5	1200.000	.930	.000	1	0	0	1	0	1
RUNOFF	92	0	0	0	6	.220	90.000	.122	1	0	0	1	0	1
ADDHYD	92	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RUNOFF	91	0	0	0	6	.340	90.000	.187	1	0	0	1	0	1
ADDHYD	93	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMSV	35	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	36	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	25	7	0	6	1648.000	.000	.000	1	0	0	1	0	1
REACH	37	0	6	0	7	1300.000	.670	.000	1	0	0	1	0	1
RUNOFF	37	0	0	0	6	.070	90.000	.037	1	0	0	1	0	1
ADDHYD	37	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	39	0	5	0	7	2200.000	.860	.000	1	0	0	1	0	1
RUNOFF	39	0	0	0	6	.110	90.000	.048	1	0	0	1	0	1
ADDHYD	39	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMSV	39	0	5	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	17	0	0	0	6	.060	90.000	.156	1	0	0	1	0	1
REACH	18	0	6	0	5	2500.000	.870	.000	1	0	0	1	0	1
RUNOFF	18	0	0	0	7	.510	90.000	.250	1	0	0	1	0	1
ADDHYD	18	0	5	7	6	.000	.000	.000	1	0	0	1	0	1
REACH	20	0	6	0	5	1600.000	.890	.000	1	0	0	1	0	1
RUNOFF	20	0	0	0	7	.070	90.000	.041	1	0	0	1	0	1
ADDHYD	20	0	5	7	6	.000	.000	.000	1	0	0	1	0	1
SAVMSV	39	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	40	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMSV	40	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	1	0	0	0	6	3.000	90.000	.565	1	0	0	1	0	1
RESVOR	0	36	6	0	5	1870.000	.000	.000	1	0	0	1	0	1
REACH	2	0	5	0	7	1500.000	.830	.000	1	0	0	1	0	1
RUNOFF	2	0	0	0	6	.100	90.000	.028	1	0	0	1	0	1
ADDHYD	2	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	3	0	5	0	7	3000.000	.890	.000	1	0	0	1	0	1
RUNOFF	3	0	0	0	6	.160	90.000	.095	1	0	0	1	0	1

ADDHYD	3	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	4	0	5	0	7	1300.000	.770	.000	1	0	0	1	0	1
RUNOFF	4	0	0	0	6	.130	90.000	.129	1	0	0	1	0	1
ADDHYD	4	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	5	0	5	0	6	4500.000	.860	.000	1	0	0	1	0	1
RUNOFF	5	0	0	0	5	.240	90.000	.048	1	0	0	1	0	1
ADDHYD	5	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	6	0	7	0	5	2000.000	.870	.000	1	0	0	1	0	1
RUNOFF	6	0	0	0	6	.150	90.000	.097	1	0	0	1	0	1
ADDHYD	6	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	41	0	7	0	5	2600.000	.870	.000	1	0	0	1	0	1
RUNOFF	41	0	0	0	6	.230	90.000	.140	1	0	0	1	0	1
ADDHYD	41	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	40	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	141	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RSVOR	0	1	5	0	6	1562.000	.000	.000	1	0	0	1	0	1
REACH	43	0	6	0	7	2200.000	.860	.000	1	0	0	1	0	1
RUNOFF	43	0	0	0	6	.190	90.000	.066	1	0	0	1	0	1
ADDHYD	43	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	143	0	5	0	7	500.000	.860	.000	1	0	0	1	0	1
RUNOFF	143	0	0	0	6	.030	90.000	.026	1	0	0	1	0	1
ADDHYD	143	0	7	6	5	.000	.000	.000	1	0	0	1	0	1

ENDATA

END OF LISTING

```
EXECUTIVE CONTROL CARD                    OPERATION  INCREM
+                                                  ,     MAIN TIME INCREMENT=    .25
EXECUTIVE CONTROL CARD                    OPERATION  COMPUT
+                                                  ,     FROM XSECTN/STRUCT  21/  0      TO XSECTN/STRUCT 143/
        STARTING TIME=    .00      RAIN DEPTH=  4.50      RAIN DURATION=  1.00      RAIN TABLE NO.= 2      SOIL COND
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
EXECUTIVE CONTROL CARD                    OPERATION  COMPUT
+                                                  ,     FROM XSECTN/STRUCT  21/  0      TO XSECTN/STRUCT 143/
        STARTING TIME=    .00      RAIN DEPTH=  4.10      RAIN DURATION=  1.00      RAIN TABLE NO.= 2      SOIL COND
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
EXECUTIVE CONTROL CARD                    OPERATION  COMPUT
+                                                  ,     FROM XSECTN/STRUCT  21/  0      TO XSECTN/STRUCT 143/
        STARTING TIME=    .00      RAIN DEPTH=  3.80      RAIN DURATION=  1.00      RAIN TABLE NO.= 2      SOIL COND
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
EXECUTIVE CONTROL CARD                    OPERATION  COMPUT
+                                                  ,     FROM XSECTN/STRUCT  21/  0      TO XSECTN/STRUCT 143/
        STARTING TIME=    .00      RAIN DEPTH=  3.40      RAIN DURATION=  1.00      RAIN TABLE NO.= 2      SOIL COND
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
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SUMMARY T -E 1

Area Tc L 4.5

ALT	STORM	ID	DA SQ-MI.	RAIN TBLE	AMC	DELTA-T HRS.	YZERO HRS.	PRECIP IN.	PRECIP DURATION	PEAK-Q CFS	PEAK-TIME	PEAK-ELEV	RUNOFF IN.	CSM
0	0	21X	.32	2	2	.25	.00	4.50	24.50	646.94	11.93	.00	3.41	2021.6
0	0	22X	.32	2	2	.25	.00	4.50	24.50	588.69	11.99	.00	3.42	1839.4
0	0	22X	.20	2	2	.25	.00	4.50	24.50	433.06	11.89	.00	3.50	2165.3
0	0	22X	.52	2	2	.25	.00	4.50	24.50	1015.75	11.95	.00	3.43	1953.3
0	0	26S	.52	2	2	.25	.00	4.50	24.50	1015.75	11.95	.00	3.43	1953.3
0	0	23X	.52	2	2	.25	.00	4.50	24.50	946.13	11.99	.00	3.44	1819.4
0	0	23X	.08	2	2	.25	.00	4.50	24.50	175.12	11.89	.00	3.44	2189.0
0	0	23X	.60	2	2	.25	.00	4.50	24.50	1112.06	11.97	.00	3.44	1853.4
0	0	51X	.08	2	2	.25	.00	4.50	24.50	169.00	11.91	.00	3.40	2112.5
0	0	52X	.08	2	2	.25	.00	4.50	24.50	163.63	11.93	.00	3.41	2045.3
0	0	52X	.10	2	2	.25	.00	4.50	24.50	217.75	11.90	.00	3.44	2177.5
0	0	52X	.18	2	2	.25	.00	4.50	24.50	379.31	11.91	.00	3.43	2107.2
0	0	53X	.18	2	2	.25	.00	4.50	24.50	366.44	11.93	.00	3.43	2035.7
0	0	53X	.15	2	2	.25	.00	4.50	24.50	328.06	11.89	.00	3.46	2187.0
0	0	53X	.33	2	2	.25	.00	4.50	24.50	693.50	11.91	.00	3.44	2101.5
0	0	54X	.33	2	2	.25	.00	4.50	24.50	643.94	11.96	.00	3.45	1951.3
0	0	54X	.11	2	2	.25	.00	4.50	24.50	241.37	11.89	.00	3.50	2194.3
0	0	54X	.44	2	2	.25	.00	4.50	24.50	881.94	11.94	.00	3.45	2004.4
0	0	7X	1.04	2	2	.25	.00	4.50	24.50	1991.00	11.96	.00	3.45	1914.4
0	0	12S	1.04	2	2	.25	.00	4.50	24.50	1991.00	11.96	.00	3.45	1914.4
0	0	25X	1.04	2	2	.25	.00	4.50	24.50	1856.00	12.00	.00	3.45	1784.6
0	0	25X	.11	2	2	.25	.00	4.50	24.50	239.94	11.89	.00	3.49	2181.2
0	0	25X	1.15	2	2	.25	.00	4.50	24.50	2083.00	11.98	.00	3.45	1811.3
0	0	61X	.24	2	2	.25	.00	4.50	24.50	479.75	11.94	.00	3.45	1998.9
0	0	30S	.24	2	2	.25	.00	4.50	24.50	479.75	11.94	.00	3.45	1998.9
0	0	62X	.24	2	2	.25	.00	4.50	24.50	434.19	12.00	.00	3.44	1809.1
0	0	62X	.22	2	2	.25	.00	4.50	24.50	472.25	11.90	.00	3.48	2146.5
0	0	62X	.46	2	2	.25	.00	4.50	24.50	894.44	11.95	.00	3.46	1944.4
0	0	26X	1.61	2	2	.25	.00	4.50	24.50	2969.00	11.97	.00	3.44	1844.1
0	0	65X	.28	2	2	.25	.00	4.50	24.50	582.81	11.92	.00	3.42	2081.4
0	0	66X	.28	2	2	.25	.00	4.50	24.50	538.37	11.97	.00	3.43	1922.7
0	0	66X	.08	2	2	.25	.00	4.50	24.50	174.44	11.89	.00	3.44	2180.4
0	0	66X	.36	2	2	.25	.00	4.50	24.50	708.87	11.95	.00	3.43	1969.1
0	0	8X	1.97	2	2	.25	.00	4.50	24.50	3676.00	11.97	.00	3.44	1865.9
0	0	11S	1.97	2	2	.25	.00	4.50	24.50	3676.00	11.97	.00	3.44	1865.9
0	0	22X	1.97	2	2	.25	.00	4.50	24.50	3037.00	12.17	.00	3.46	1541.4
0	0	28X	.33	2	2	.25	.00	4.50	24.50	710.81	11.90	.00	3.44	2153.9
0	0	28X	2.30	2	2	.25	.00	4.50	24.50	3496.00	12.09	.00	3.45	1520.0
0	0	72X	.18	2	2	.25	.00	4.50	24.50	379.19	11.91	.00	3.42	2106.6
0	0	73X	.18	2	2	.25	.00	4.50	24.50	361.94	11.94	.00	3.42	2010.7

0	0	73X	.16	2	2	.25	.00	4.50	24.50	349.13	11.89	.00	3.45	218
0	0	73X	.34	2	2	.25	.00	4.50	24.50	707.81	11.92	.00	3.44	208
0	0	71X	.15	2	2	.25	.00	4.50	24.50	317.81	11.94	.00	3.41	198
0	0	74X	.50	2	2	.25	.00	4.50	24.50	1028.25	11.93	.00	3.43	205
0	0	37S	.50	2	2	.25	.00	4.50	24.50	1028.25	11.93	.00	3.43	205
0	0	29X	2.80	2	2	.25	.00	4.50	24.50	4389.00	12.04	.00	3.45	156
0	0	30X	2.80	2	2	.25	.00	4.50	24.50	3852.00	12.14	.00	3.45	137
0	0	30X	.09	2	2	.25	.00	4.50	24.50	197.37	11.89	.00	3.49	219
0	0	30X	2.89	2	2	.25	.00	4.50	24.50	4056.00	12.11	.00	3.45	140
0	0	81X	1.06	2	2	.25	.00	4.50	24.50	2293.00	11.90	.00	3.44	216
0	0	14S	1.06	2	2	.25	.00	4.50	24.50	2293.00	11.90	.00	3.44	216
0	0	82X	1.06	2	2	.25	.00	4.50	24.50	2123.00	11.95	.00	3.45	200
0	0	82X	.42	2	2	.25	.00	4.50	24.50	914.81	11.90	.00	3.50	217
0	0	82X	1.48	2	2	.25	.00	4.50	24.50	3023.00	11.94	.00	3.45	204
0	0	84X	1.48	2	2	.25	.00	4.50	24.50	2886.00	11.96	.00	3.46	195
0	0	84X	.14	2	2	.25	.00	4.50	24.50	305.25	11.89	.00	3.49	218
0	0	84X	1.62	2	2	.25	.00	4.50	24.50	3184.00	11.95	.00	3.46	196
0	0	7S	1.62	2	2	.25	.00	4.50	24.50	3184.00	11.95	.00	3.46	196
0	0	85X	1.62	2	2	.25	.00	4.50	24.50	2787.00	12.05	.00	3.47	172
0	0	85X	.32	2	2	.25	.00	4.50	24.50	653.25	11.93	.00	3.41	204
0	0	85X	1.94	2	2	.25	.00	4.50	24.50	3388.00	12.02	.00	3.46	174
0	0	31X	4.83	2	2	.25	.00	4.50	24.50	7351.00	12.06	.00	3.45	152
0	0	11X	1.25	2	2	.25	.00	4.50	24.50	2181.00	12.02	.00	3.42	174
0	0	6S	1.25	2	2	.25	.00	4.50	24.50	2181.00	12.02	.00	3.42	174
0	0	12X	1.25	2	2	.25	.00	4.50	24.50	2046.00	12.05	.00	3.42	163
0	0	12X	.70	2	2	.25	.00	4.50	24.50	1411.00	11.94	.00	3.41	201
0	0	12X	1.93	2	2	.25	.00	4.50	24.50	3388.00	12.00	.00	3.42	173
0	0	14X	1.95	2	2	.25	.00	4.50	24.50	3048.00	12.06	.00	3.43	156
0	0	14X	.21	2	2	.25	.00	4.50	24.50	455.38	11.90	.00	3.49	216
0	0	14X	2.15	2	2	.25	.00	4.50	24.50	3439.00	12.03	.00	3.43	159
0	0	15X	2.15	2	2	.25	.00	4.50	24.50	2999.00	12.17	.00	3.43	138
0	0	15X	.22	2	2	.25	.00	4.50	24.50	236.31	12.41	.00	3.43	107
0	0	15X	2.38	2	2	.25	.00	4.50	24.50	3206.00	12.18	.00	3.43	134
0	0	16X	2.38	2	2	.25	.00	4.50	24.50	3123.00	12.22	.00	3.43	131
0	0	16X	.05	2	2	.25	.00	4.50	24.50	109.81	11.89	.00	3.47	211
0	0	16X	2.43	2	2	.25	.00	4.50	24.50	3151.00	12.21	.00	3.43	129
0	0	32X	7.26	2	2	.25	.00	4.50	24.50	10318.00	12.09	.00	3.45	142
0	0	4S	7.26	2	2	.25	.00	4.50	24.50	10318.00	12.09	.00	3.45	142
0	0	33X	7.26	2	2	.25	.00	4.50	24.50	9959.00	12.12	.00	3.45	137
0	0	33X	.09	2	2	.25	.00	4.50	24.50	196.75	11.89	.00	3.49	218
0	0	33X	7.35	2	2	.25	.00	4.50	24.50	10090.00	12.11	.00	3.45	137
0	0	35X	7.35	2	2	.25	.00	4.50	24.50	9428.00	12.23	.00	3.45	128
0	0	35X	.10	2	2	.25	.00	4.50	24.50	216.25	11.90	.00	3.43	216
0	0	35X	7.45	2	2	.25	.00	4.50	24.50	9467.00	12.22	.00	3.45	127
0	0	94X	.07	2	2	.25	.00	4.50	24.50	147.37	11.92	.00	3.44	207

0	0	92X	.07	2	2	.25	.00	4.50	24.50	143.69	11.93	0	3.43	2023.7
0	0	92X	.22	2	2	.25	.00	4.50	24.50	467.69	11.90	.00	3.47	2125.8
0	0	92X	.29	2	2	.25	.00	4.50	24.50	610.00	11.91	.00	3.46	2096.2
0	0	91X	.34	2	2	.25	.00	4.50	24.50	689.06	11.93	.00	3.41	2026.6
0	0	93X	.63	2	2	.25	.00	4.50	24.50	1306.00	11.92	.00	3.42	2069.7
0	0	36X	8.08	2	2	.25	.00	4.50	24.50	9961.00	12.16	.00	3.45	1232.6
0	0	25S	8.08	2	2	.25	.00	4.50	24.50	9961.00	12.16	.00	3.45	1232.6
0	0	37X	8.08	2	2	.25	.00	4.50	24.50	9809.00	12.21	.00	3.45	1213.8
0	0	37X	.07	2	2	.25	.00	4.50	24.50	153.87	11.89	.00	3.49	2198.2
0	0	37X	8.15	2	2	.25	.00	4.50	24.50	9825.00	12.20	.00	3.45	1205.3
0	0	39X	8.15	2	2	.25	.00	4.50	24.50	9582.00	12.27	.00	3.45	1175.5
0	0	39X	.11	2	2	.25	.00	4.50	24.50	241.06	11.89	.00	3.50	2191.4
0	0	39X	8.26	2	2	.25	.00	4.50	24.50	9641.00	12.27	.00	3.45	1167.0
0	0	17X	.06	2	2	.25	.00	4.50	24.50	125.62	11.92	.00	3.43	2093.7
0	0	18X	.06	2	2	.25	.00	4.50	24.50	116.06	11.97	.00	3.42	1934.3
0	0	18X	.51	2	2	.25	.00	4.50	24.50	977.19	11.96	.00	3.44	1916.0
0	0	18X	.57	2	2	.25	.00	4.50	24.50	1095.00	11.96	.00	3.44	1921.0
0	0	20X	.57	2	2	.25	.00	4.50	24.50	1036.87	11.99	.00	3.44	1819.0
0	0	20X	.07	2	2	.25	.00	4.50	24.50	153.69	11.89	.00	3.49	2195.5
0	0	20X	.64	2	2	.25	.00	4.50	24.50	1185.00	11.98	.00	3.44	1851.5
0	0	40X	8.90	2	2	.25	.00	4.50	24.50	10258.00	12.22	.00	3.45	1152.4
0	0	1X	3.00	2	2	.25	.00	4.50	24.50	4268.00	12.19	.00	3.43	1422.6
0	0	36S	3.00	2	2	.25	.00	4.50	24.50	4268.00	12.19	.00	3.43	1422.6
0	0	2X	3.00	2	2	.25	.00	4.50	24.50	4111.00	12.23	.00	3.43	1370.3
0	0	2X	.10	2	2	.25	.00	4.50	24.50	220.00	11.89	.00	3.46	2200.0
0	0	2X	3.10	2	2	.25	.00	4.50	24.50	4158.00	12.22	.00	3.43	1341.2
0	0	3X	3.10	2	2	.25	.00	4.50	24.50	3966.00	12.28	.00	3.43	1279.3
0	0	3X	.16	2	2	.25	.00	4.50	24.50	346.25	11.90	.00	3.43	2164.0
0	0	3X	3.26	2	2	.25	.00	4.50	24.50	4020.00	12.26	.00	3.43	1233.1
0	0	4X	3.26	2	2	.25	.00	4.50	24.50	3888.00	12.31	.00	3.43	1192.6
0	0	4X	.13	2	2	.25	.00	4.50	24.50	276.50	11.91	.00	3.47	2126.9
0	0	4X	3.39	2	2	.25	.00	4.50	24.50	3925.00	12.30	.00	3.43	1157.8
0	0	5X	3.39	2	2	.25	.00	4.50	24.50	3757.00	12.42	.00	3.43	1108.2
0	0	5X	.24	2	2	.25	.00	4.50	24.50	523.50	11.89	.00	3.51	2181.2
0	0	5X	3.63	2	2	.25	.00	4.50	24.50	3856.00	12.42	.00	3.43	1062.2
0	0	6X	3.63	2	2	.25	.00	4.50	24.50	3783.00	12.46	.00	3.43	1042.1
0	0	6X	.15	2	2	.25	.00	4.50	24.50	324.62	11.90	.00	3.43	2164.1
0	0	6X	3.78	2	2	.25	.00	4.50	24.50	3645.00	12.45	.00	3.43	1017.2
0	0	41X	3.78	2	2	.25	.00	4.50	24.50	3748.62	12.50	.00	3.44	991.7
0	0	41X	.23	2	2	.25	.00	4.50	24.50	485.31	11.91	.00	3.47	2110.0
0	0	41X	4.01	2	2	.25	.00	4.50	24.50	3840.50	12.49	.00	3.43	957.7
0	0	141X	12.91	2	2	.25	.00	4.50	24.50	13738.00	12.26	.00	3.44	1064.0
0	0	1S	12.91	2	2	.25	.00	4.50	24.50	13738.00	12.26	.00	3.44	1064.0
0	0	43X	12.91	2	2	.25	.00	4.50	24.50	13558.00	12.33	.00	3.44	1050.1
0	0	43X	.19	2	2	.25	.00	4.50	24.50	413.44	11.89	.00	3.50	2175.9

0	0	43X	13.10	2	2	.25	.00	4.50	24.50	13601.00	12.33	.00	3.44	1038.
0	0	143X	13.10	2	2	.25	.00	4.50	24.50	13543.00	12.34	.00	3.44	1033.
0	0	143X	.03	2	2	.25	.00	4.50	24.50	66.11	11.89	.00	3.39	2203.
0	0	143X	13.13	2	2	.25	.00	4.50	24.50	13573.00	12.34	.00	3.44	1033.
0	0	21X	.32	2	2	.25	.00	4.10	24.50	577.12	11.94	.00	3.03	1803.
0	0	22X	.32	2	2	.25	.00	4.10	24.50	525.44	11.99	.00	3.04	1641.
0	0	22X	.20	2	2	.25	.00	4.10	24.50	389.44	11.90	.00	3.11	1947.
0	0	22X	.52	2	2	.25	.00	4.10	24.50	902.19	11.95	.00	3.05	1734.
0	0	26S	.52	2	2	.25	.00	4.10	24.50	902.19	11.95	.00	3.05	1734.
0	0	23X	.52	2	2	.25	.00	4.10	24.50	842.06	11.99	.00	3.05	1619.
0	0	23X	.08	2	2	.25	.00	4.10	24.50	156.75	11.90	.00	3.09	1959.
0	0	23X	.60	2	2	.25	.00	4.10	24.50	993.37	11.97	.00	3.05	1655.
0	0	51X	.08	2	2	.25	.00	4.10	24.50	151.00	11.91	.00	3.06	1387.
0	0	52X	.08	2	2	.25	.00	4.10	24.50	146.00	11.93	.00	3.05	1825.
0	0	52X	.10	2	2	.25	.00	4.10	24.50	194.81	11.90	.00	3.05	1948.
0	0	52X	.18	2	2	.25	.00	4.10	24.50	340.19	11.91	.00	3.04	1888.
0	0	53X	.18	2	2	.25	.00	4.10	24.50	328.69	11.93	.00	3.04	1826.
0	0	53X	.15	2	2	.25	.00	4.10	24.50	294.00	11.90	.00	3.07	1960.
0	0	53X	.33	2	2	.25	.00	4.10	24.50	618.62	11.92	.00	3.05	1874.
0	0	54X	.33	2	2	.25	.00	4.10	24.50	575.25	11.96	.00	3.06	1743.
0	0	54X	.11	2	2	.25	.00	4.10	24.50	216.12	11.00	.00	3.07	1964.
0	0	54X	.44	2	2	.25	.00	4.10	24.50	787.75	11.94	.00	3.06	1790.
0	0	7X	1.04	2	2	.25	.00	4.10	24.50	1782.00	11.96	.00	3.06	1713.
0	0	12S	1.04	2	2	.25	.00	4.10	24.50	1782.00	11.96	.00	3.06	1713.
0	0	25X	1.04	2	2	.25	.00	4.10	24.50	1659.00	12.00	.00	3.06	1595.
0	0	25X	.11	2	2	.25	.00	4.10	24.50	214.88	11.90	.00	3.06	1953.
0	0	25X	1.15	2	2	.25	.00	4.10	24.50	1863.00	11.08	.00	3.06	1620.
0	0	51X	.24	2	2	.25	.00	4.10	24.50	427.12	11.94	.00	3.06	1779.
0	0	30S	.24	2	2	.25	.00	4.10	24.50	427.12	11.94	.00	3.06	1779.
0	0	62X	.24	2	2	.25	.00	4.10	24.50	386.31	12.00	.00	3.05	1609.
0	0	62X	.22	2	2	.25	.00	4.10	24.50	422.81	11.90	.00	3.10	1921.
0	0	62X	.46	2	2	.25	.00	4.10	24.50	796.50	11.95	.00	3.07	1731.
0	0	26X	1.61	2	2	.25	.00	4.10	24.50	2649.00	11.97	.00	3.06	1645.
0	0	65X	.28	2	2	.25	.00	4.10	24.50	520.94	11.92	.00	3.03	1860.
0	0	66X	.28	2	2	.25	.00	4.10	24.50	479.56	11.97	.00	3.04	1712.
0	0	66X	.08	2	2	.25	.00	4.10	24.50	156.06	11.90	.00	3.09	1950.
0	0	66X	.36	2	2	.25	.00	4.10	24.50	631.25	11.95	.00	3.04	1753.
0	0	8X	1.97	2	2	.25	.00	4.10	24.50	3281.00	11.97	.00	3.05	1665.
0	0	11S	1.97	2	2	.25	.00	4.10	24.50	3281.00	11.97	.00	3.05	1665.
0	0	28X	1.97	2	2	.25	.00	4.10	24.50	2711.00	12.17	.00	3.07	1376.
0	0	28X	.33	2	2	.25	.00	4.10	24.50	636.62	11.90	.00	3.10	1929.
0	0	28X	2.30	2	2	.25	.00	4.10	24.50	3117.00	12.09	.00	3.07	1355.
0	0	72X	.18	2	2	.25	.00	4.10	24.50	339.81	11.91	.00	3.08	1887.
0	0	73X	.18	2	2	.25	.00	4.10	24.50	323.37	11.94	.00	3.07	1796.
0	0	73X	.16	2	2	.25	.00	4.10	24.50	312.62	11.90	.00	3.11	1953.

0	0	73X	.34	2	2	.25	.00	4.10	24.50	632.69	11.92	0	3.09	1860.85
0	0	71X	.16	2	2	.25	.00	4.10	24.50	283.56	11.94	.00	3.02	1772.27
0	0	74X	.50	2	2	.25	.00	4.10	24.50	916.69	11.93	.00	3.08	1833.37
0	0	37S	.50	2	2	.25	.00	4.10	24.50	916.69	11.93	.00	3.08	1833.37
0	0	29X	2.80	2	2	.25	.00	4.10	24.50	3914.00	12.04	.00	3.07	1397.36
0	0	30X	2.80	2	2	.25	.00	4.10	24.50	3435.00	12.14	.00	3.07	1226.79
0	0	30X	.09	2	2	.25	.00	4.10	24.50	176.81	11.90	.00	3.11	1964.53
0	0	30X	2.89	2	2	.25	.00	4.10	24.50	3615.00	12.11	.00	3.07	1250.81
0	0	81X	1.06	2	2	.25	.00	4.10	24.50	2052.00	11.90	.00	3.10	1935.85
0	0	14S	1.06	2	2	.25	.00	4.10	24.50	2052.00	11.90	.00	3.10	1935.85
0	0	82X	1.06	2	2	.25	.00	4.10	24.50	1897.00	11.96	.00	3.09	1789.67
0	0	82X	.42	2	2	.25	.00	4.10	24.50	817.63	11.90	.00	3.11	1946.7
0	0	82X	1.48	2	2	.25	.00	4.10	24.50	2700.00	11.94	.00	3.10	1824.3
0	0	84X	1.48	2	2	.25	.00	4.10	24.50	2584.00	11.96	.00	3.09	1745.9
0	0	84X	.14	2	2	.25	.00	4.10	24.50	273.31	11.90	.00	3.06	1952.2
0	0	84X	1.62	2	2	.25	.00	4.10	24.50	2849.00	11.96	.00	3.09	1758.6
0	0	7S	1.62	2	2	.25	.00	4.10	24.50	2849.00	11.96	.00	3.09	1758.6
0	0	85X	1.62	2	2	.25	.00	4.10	24.50	2487.00	12.05	.00	3.08	1535.1
0	0	85X	.32	2	2	.25	.00	4.10	24.50	584.00	11.93	.00	3.03	1825.0
0	0	85X	1.94	2	2	.25	.00	4.10	24.50	3024.00	12.02	.00	3.08	1558.7
0	0	31X	4.83	2	2	.25	.00	4.10	24.50	6562.00	12.06	.00	3.07	1358.5
0	0	11X	1.25	2	2	.25	.00	4.10	24.50	1943.00	12.02	.00	3.04	1554.4
0	0	6S	1.25	2	2	.25	.00	4.10	24.50	1943.00	12.02	.00	3.04	1554.4
0	0	12X	1.25	2	2	.25	.00	4.10	24.50	1623.00	12.05	.00	3.04	1458.4
0	0	12X	.70	2	2	.25	.00	4.10	24.50	1262.00	11.94	.00	3.03	1802.8
0	0	12X	1.95	2	2	.25	.00	4.10	24.50	3021.00	12.00	.00	3.03	1549.2
0	0	14X	1.95	2	2	.25	.00	4.10	24.50	2712.00	12.06	.00	3.04	1390.7
0	0	14X	.21	2	2	.25	.00	4.10	24.50	406.56	11.90	.00	3.10	1936.0
0	0	14X	2.16	2	2	.25	.00	4.10	24.50	3063.00	12.03	.00	3.04	1418.0
0	0	15X	2.16	2	2	.25	.00	4.10	24.50	2676.00	12.17	.00	3.05	1238.8
0	0	15X	.22	2	2	.25	.00	4.10	24.50	210.35	12.41	.00	3.04	956.1
0	0	15X	2.38	2	2	.25	.00	4.10	24.50	2859.00	12.19	.00	3.05	1201.2
0	0	16X	2.38	2	2	.25	.00	4.10	24.50	2783.00	12.23	.00	3.05	1169.3
0	0	16X	.05	2	2	.25	.00	4.10	24.50	98.31	11.90	.00	3.03	1966.2
0	0	16X	2.43	2	2	.25	.00	4.10	24.50	2605.00	12.22	.00	3.05	1154.3
0	0	32X	7.26	2	2	.25	.00	4.10	24.50	9202.00	12.10	.00	3.07	1267.4
0	0	4S	7.26	2	2	.25	.00	4.10	24.50	9202.00	12.10	.00	3.07	1267.4
0	0	33X	7.26	2	2	.25	.00	4.10	24.50	8883.00	12.12	.00	3.07	1223.5
0	0	33X	.09	2	2	.25	.00	4.10	24.50	176.06	11.90	.00	3.10	1956.2
0	0	33X	7.35	2	2	.25	.00	4.10	24.50	9002.00	12.12	.00	3.07	1224.7
0	0	35X	7.35	2	2	.25	.00	4.10	24.50	8414.00	12.23	.00	3.06	1144.7
0	0	35X	.10	2	2	.25	.00	4.10	24.50	193.56	11.90	.00	3.09	1935.6
0	0	35X	7.45	2	2	.25	.00	4.10	24.50	8447.00	12.22	.00	3.06	1133.8
0	0	94X	.07	2	2	.25	.00	4.10	24.50	132.06	11.92	.00	3.05	1860.0
0	0	92X	.07	2	2	.25	.00	4.10	24.50	128.31	11.93	.00	3.05	1807.2

0	0	143X	13.10	2	2	.25	.00	4.10	24.50	12074.00	12.35	.00	3.06	
0	0	143X	.03	2	2	.25	.00	4.10	24.50	59.18	11.89	.00	3.03	1
0	0	143X	13.13	2	2	.25	.00	4.10	24.50	12102.00	12.35	.00	3.06	
0	0	21X	.32	2	2	.25	.00	3.80	24.50	524.12	11.94	.00	2.78	1
0	0	22X	.32	2	2	.25	.00	3.80	24.50	477.69	11.99	.00	2.77	1
0	0	22X	.20	2	2	.25	.00	3.80	24.50	355.31	11.90	.00	2.78	1
0	0	22X	.52	2	2	.25	.00	3.80	24.50	823.00	11.95	.00	2.79	1
0	0	26S	.52	2	2	.25	.00	3.80	24.50	823.00	11.95	.00	2.79	1
0	0	23X	.52	2	2	.25	.00	3.80	24.50	765.19	11.99	.00	2.78	1
0	0	23X	.08	2	2	.25	.00	3.80	24.50	143.12	11.90	.00	2.81	1
0	0	23X	.60	2	2	.25	.00	3.80	24.50	902.38	11.97	.00	2.79	1
0	0	51X	.08	2	2	.25	.00	3.80	24.50	137.50	11.91	.00	2.78	1
0	0	52X	.08	2	2	.25	.00	3.80	24.50	132.94	11.93	.00	2.77	1
0	0	52X	.10	2	2	.25	.00	3.80	24.50	177.81	11.90	.00	2.81	1
0	0	52X	.18	2	2	.25	.00	3.80	24.50	310.00	11.91	.00	2.79	1
0	0	53X	.18	2	2	.25	.00	3.80	24.50	299.56	11.93	.00	2.79	1
0	0	53X	.15	2	2	.25	.00	3.80	24.50	268.06	11.90	.00	2.83	1
0	0	53X	.33	2	2	.25	.00	3.80	24.50	564.44	11.92	.00	2.81	1
0	0	54X	.33	2	2	.25	.00	3.80	24.50	524.81	11.96	.00	2.80	1
0	0	54X	.11	2	2	.25	.00	3.80	24.50	197.19	11.90	.00	2.78	1
0	0	54X	.44	2	2	.25	.00	3.80	24.50	717.69	11.95	.00	2.80	1
0	0	7X	1.04	2	2	.25	.00	3.80	24.50	1622.00	11.96	.00	2.79	1
0	0	12S	1.04	2	2	.25	.00	3.80	24.50	1622.00	11.96	.00	2.79	1
0	0	25X	1.04	2	2	.25	.00	3.80	24.50	1511.00	12.00	.00	2.79	1
0	0	25X	.11	2	2	.25	.00	3.80	24.50	196.19	11.90	.00	2.77	1
0	0	25X	1.15	2	2	.25	.00	3.80	24.50	1636.00	11.99	.00	2.79	1
0	0	61X	.24	2	2	.25	.00	3.80	24.50	389.81	11.94	.00	2.74	1
0	0	30S	.24	2	2	.25	.00	3.80	24.50	389.81	11.94	.00	2.74	1
0	0	62X	.24	2	2	.25	.00	3.80	24.50	351.69	12.00	.00	2.75	1
0	0	62X	.22	2	2	.25	.00	3.80	24.50	386.63	11.90	.00	2.76	1
0	0	62X	.46	2	2	.25	.00	3.80	24.50	726.50	11.95	.00	2.76	1
0	0	26X	1.61	2	2	.25	.00	3.80	24.50	2417.00	11.97	.00	2.79	1
0	0	65X	.28	2	2	.25	.00	3.80	24.50	473.38	11.92	.00	2.79	1
0	0	66X	.28	2	2	.25	.00	3.80	24.50	437.12	11.97	.00	2.78	1
0	0	66X	.08	2	2	.25	.00	3.80	24.50	142.44	11.90	.00	2.81	1
0	0	66X	.36	2	2	.25	.00	3.80	24.50	576.25	11.95	.00	2.79	1
0	0	8X	1.97	2	2	.25	.00	3.80	24.50	2991.00	11.97	.00	2.79	1
0	0	11S	1.97	2	2	.25	.00	3.80	24.50	2991.00	11.97	.00	2.79	1
0	0	28X	1.97	2	2	.25	.00	3.80	24.50	2468.00	12.17	.00	2.78	1
0	0	28X	.33	2	2	.25	.00	3.80	24.50	578.56	11.90	.00	2.81	1
0	0	28X	2.30	2	2	.25	.00	3.80	24.50	2833.00	12.09	.00	2.78	1
0	0	72X	.18	2	2	.25	.00	3.80	24.50	309.38	11.91	.00	2.79	1
0	0	73X	.18	2	2	.25	.00	3.80	24.50	294.37	11.94	.00	2.79	1
0	0	73X	.16	2	2	.25	.00	3.80	24.50	285.06	11.90	.00	2.82	1
0	0	73X	.34	2	2	.25	.00	3.80	24.50	575.19	11.92	.00	2.80	1

0	0	92X	.29	2	2	.25	.00	3.80	24.50	497.44	11.91	.00	2.74	170
0	0	91X	.34	2	2	.25	.00	3.80	24.50	558.69	11.93	.00	2.78	164
0	0	93X	.63	2	2	.25	.00	3.80	24.50	1060.69	11.92	.00	2.79	168
0	0	36X	8.08	2	2	.25	.00	3.80	24.50	6071.00	12.16	.00	2.78	99
0	0	25S	8.08	2	2	.25	.00	3.80	24.50	6071.00	12.16	.00	2.78	99
0	0	37X	8.08	2	2	.25	.00	3.80	24.50	7923.00	12.21	.00	2.78	98
0	0	37X	.07	2	2	.25	.00	3.80	24.50	125.75	11.90	.00	2.77	179
0	0	37X	8.15	2	2	.25	.00	3.80	24.50	7959.00	12.20	.00	2.78	97
0	0	39X	8.15	2	2	.25	.00	3.80	24.50	7786.00	12.28	.00	2.78	95
0	0	39X	.11	2	2	.25	.00	3.80	24.50	197.00	11.90	.00	2.78	179
0	0	39X	8.26	2	2	.25	.00	3.80	24.50	7810.00	12.27	.00	2.78	94
0	0	17X	.06	2	2	.25	.00	3.80	24.50	102.25	11.92	.00	2.71	170
0	0	18X	.06	2	2	.25	.00	3.80	24.50	94.44	11.97	.00	2.72	157
0	0	18X	.51	2	2	.25	.00	3.80	24.50	792.00	11.97	.00	2.74	159
0	0	18X	.57	2	2	.25	.00	3.80	24.50	888.44	11.97	.00	2.74	159
0	0	20X	.57	2	2	.25	.00	3.80	24.50	839.12	11.99	.00	2.74	147
0	0	20X	.07	2	2	.25	.00	3.80	24.50	125.81	11.90	.00	2.77	179
0	0	20X	.64	2	2	.25	.00	3.80	24.50	960.75	11.98	.00	2.75	150
0	0	40X	8.90	2	2	.25	.00	3.80	24.50	8310.00	12.23	.00	2.78	93
0	0	1X	3.00	2	2	.25	.00	3.80	24.50	3456.00	12.19	.00	2.75	115
0	0	36S	3.00	2	2	.25	.00	3.80	24.50	3456.00	12.19	.00	2.75	115
0	0	2X	3.00	2	2	.25	.00	3.80	24.50	3326.00	12.23	.00	2.75	110
0	0	2X	.10	2	2	.25	.00	3.80	24.50	180.00	11.90	.00	2.82	180
0	0	2X	3.10	2	2	.25	.00	3.80	24.50	3365.00	12.22	.00	2.76	108
0	0	3X	3.10	2	2	.25	.00	3.80	24.50	3207.00	12.28	.00	2.76	103
0	0	3X	.16	2	2	.25	.00	3.80	24.50	282.00	11.90	.00	2.81	176
0	0	3X	3.26	2	2	.25	.00	3.80	24.50	3249.00	12.27	.00	2.76	99
0	0	4X	3.26	2	2	.25	.00	3.80	24.50	3139.00	12.32	.00	2.76	96
0	0	4X	.13	2	2	.25	.00	3.80	24.50	225.00	11.91	.00	2.79	173
0	0	4X	3.39	2	2	.25	.00	3.80	24.50	3172.00	12.30	.00	2.76	93
0	0	5X	3.39	2	2	.25	.00	3.80	24.50	3037.12	12.43	.00	2.76	89
0	0	5X	.24	2	2	.25	.00	3.80	24.50	427.69	11.90	.00	2.83	178
0	0	5X	3.63	2	2	.25	.00	3.80	24.50	3118.94	12.42	.00	2.76	85
0	0	6X	3.63	2	2	.25	.00	3.80	24.50	3058.37	12.46	.00	2.76	84
0	0	6X	.15	2	2	.25	.00	3.80	24.50	264.62	11.90	.00	2.76	176
0	0	6X	3.78	2	2	.25	.00	3.80	24.50	3109.69	12.46	.00	2.77	82
0	0	41X	3.78	2	2	.25	.00	3.80	24.50	3034.00	12.51	.00	2.76	80
0	0	41X	.23	2	2	.25	.00	3.80	24.50	394.44	11.91	.00	2.75	171
0	0	41X	4.01	2	2	.25	.00	3.80	24.50	3104.31	12.50	.00	2.77	77
0	0	141X	12.91	2	2	.25	.00	3.80	24.50	11083.00	12.27	.00	2.77	85
0	0	1S	12.91	2	2	.25	.00	3.80	24.50	11083.00	12.27	.00	2.77	85
0	0	43X	12.91	2	2	.25	.00	3.80	24.50	10951.00	12.34	.00	2.77	84
0	0	43X	.19	2	2	.25	.00	3.80	24.50	338.50	11.90	.00	2.78	178
0	0	43X	13.10	2	2	.25	.00	3.80	24.50	10986.00	12.33	.00	2.77	83
0	0	143X	13.10	2	2	.25	.00	3.80	24.50	10944.00	12.35	.00	2.77	83

0	0	143X	.03	2	2	.25	.00	3.80	24.50	54.00	11.90	.00	2.76	1800
0	0	143X	13.13	2	2	.25	.00	3.80	24.50	10919.00	12.35	.00	2.77	831
0	0	21X	.32	2	2	.25	.00	3.40	24.50	455.19	11.94	.00	2.40	1422
0	0	22X	.32	2	2	.25	.00	3.40	24.50	414.13	11.99	.00	2.39	1294
0	0	22X	.20	2	2	.25	.00	3.40	24.50	309.62	11.90	.00	2.44	1548
0	0	22X	.52	2	2	.25	.00	3.40	24.50	712.12	11.95	.00	2.41	1369
0	0	26S	.52	2	2	.25	.00	3.40	24.50	712.12	11.95	.00	2.41	1369
0	0	23X	.52	2	2	.25	.00	3.40	24.50	663.00	11.99	.00	2.40	1275
0	0	23X	.08	2	2	.25	.00	3.40	24.50	125.00	11.90	.00	2.39	1562
0	0	23X	.60	2	2	.25	.00	3.40	24.50	782.75	11.93	.00	2.41	1304
0	0	51X	.08	2	2	.25	.00	3.40	24.50	119.81	11.92	.00	2.39	1497
0	0	52X	.08	2	2	.25	.00	3.40	24.50	115.50	11.93	.00	2.38	1443
0	0	52X	.10	2	2	.25	.00	3.40	24.50	154.94	11.90	.00	2.38	1549
0	0	52X	.18	2	2	.25	.00	3.40	24.50	270.00	11.92	.00	2.37	1500
0	0	53X	.18	2	2	.25	.00	3.40	24.50	260.62	11.94	.00	2.37	1447
0	0	53X	.15	2	2	.25	.00	3.40	24.50	233.63	11.90	.00	2.40	1557
0	0	53X	.33	2	2	.25	.00	3.40	24.50	490.81	11.92	.00	2.39	1487
0	0	54X	.33	2	2	.25	.00	3.40	24.50	454.69	11.97	.00	2.39	1377
0	0	54X	.11	2	2	.25	.00	3.40	24.50	172.06	11.90	.00	2.44	1564
0	0	54X	.44	2	2	.25	.00	3.40	24.50	624.44	11.95	.00	2.40	1419
0	0	7X	1.04	2	2	.25	.00	3.40	24.50	1412.00	11.96	.00	2.41	1357
0	0	12S	1.04	2	2	.25	.00	3.40	24.50	1412.00	11.96	.00	2.41	1357
0	0	25X	1.04	2	2	.25	.00	3.40	24.50	1314.00	12.00	.00	2.41	1263
0	0	25X	.11	2	2	.25	.00	3.40	24.50	170.75	11.90	.00	2.44	1552
0	0	25X	1.15	2	2	.25	.00	3.40	24.50	1472.00	11.99	.00	2.41	1280.
0	0	51X	.24	2	2	.25	.00	3.40	24.50	338.81	11.94	.00	2.36	1411.
0	0	30S	.24	2	2	.25	.00	3.40	24.50	338.81	11.94	.00	2.36	1411.
0	0	52X	.24	2	2	.25	.00	3.40	24.50	304.25	12.00	.00	2.37	1267.
0	0	52X	.22	2	2	.25	.00	3.40	24.50	336.31	11.91	.00	2.38	1528.
0	0	52X	.46	2	2	.25	.00	3.40	24.50	629.37	11.95	.00	2.38	1368.
0	0	26X	1.51	2	2	.25	.00	3.40	24.50	2100.00	11.98	.00	2.41	1304.
0	0	65X	.28	2	2	.25	.00	3.40	24.50	411.00	11.92	.00	2.41	1467.
0	0	66X	.25	2	2	.25	.00	3.40	24.50	378.87	11.97	.00	2.40	1353.
0	0	66X	.08	2	2	.25	.00	3.40	24.50	124.31	11.90	.00	2.38	1553.
0	0	66X	.36	2	2	.25	.00	3.40	24.50	499.13	11.95	.00	2.40	1386.
0	0	8X	1.97	2	2	.25	.00	3.40	24.50	2598.00	11.97	.00	2.41	1318.
0	0	11S	1.97	2	2	.25	.00	3.40	24.50	2598.00	11.97	.00	2.41	1318.
0	0	28X	1.97	2	2	.25	.00	3.40	24.50	2143.00	12.17	.00	2.40	1087.
0	0	28X	.33	2	2	.25	.00	3.40	24.50	504.31	11.91	.00	2.43	1528.
0	0	28X	2.30	2	2	.25	.00	3.40	24.50	2454.00	12.09	.00	2.40	1066.
0	0	72X	.18	2	2	.25	.00	3.40	24.50	268.87	11.92	.00	2.41	1493.
0	0	73X	.18	2	2	.25	.00	3.40	24.50	255.69	11.94	.00	2.41	1420.
0	0	73X	.16	2	2	.25	.00	3.40	24.50	248.50	11.90	.00	2.40	1553.
0	0	73X	.34	2	2	.25	.00	3.40	24.50	501.69	11.92	.00	2.42	1475.
0	0	71X	.16	2	2	.25	.00	3.40	24.50	224.06	11.95	.00	2.35	1400.

0	0	91X	.34	2	2	.25	.00	3.40	24.50	484.69	11.94	.00	2.40	1425
0	0	93X	.63	2	2	.25	.00	3.40	24.50	922.63	11.53	.00	2.41	1462
0	0	36X	8.05	2	2	.25	.00	3.40	24.50	6987.00	12.17	.00	2.40	864
0	0	25S	8.08	2	2	.25	.00	3.40	24.50	6987.00	12.17	.00	2.40	864
0	0	37X	8.08	2	2	.25	.00	3.40	24.50	6860.00	12.22	.00	2.40	848
0	0	37X	.07	2	2	.25	.00	3.40	24.50	109.81	11.90	.00	2.43	1568
0	0	37X	8.15	2	2	.25	.00	3.40	24.50	6690.00	12.21	.00	2.40	845
0	0	39X	8.15	2	2	.25	.00	3.40	24.50	6735.00	12.28	.00	2.40	826
0	0	39X	.11	2	2	.25	.00	3.40	24.50	171.75	11.90	.00	2.44	1561
0	0	39X	8.26	2	2	.25	.00	3.40	24.50	6766.00	12.27	.00	2.40	819
0	0	17X	.06	2	2	.25	.00	3.40	24.50	89.12	11.92	.00	2.33	1485
0	0	18X	.06	2	2	.25	.00	3.40	24.50	81.87	11.97	.00	2.34	1364
0	0	18X	.51	2	2	.25	.00	3.40	24.50	685.81	11.97	.00	2.36	1344
0	0	18X	.57	2	2	.25	.00	3.40	24.50	768.19	11.97	.00	2.36	1347
0	0	20X	.57	2	2	.25	.00	3.40	24.50	724.19	11.99	.00	2.36	1270
0	0	20X	.07	2	2	.25	.00	3.40	24.50	109.75	11.90	.00	2.43	1567
0	0	20X	.64	2	2	.25	.00	3.40	24.50	831.06	11.98	.00	2.37	1298
0	0	40X	8.90	2	2	.25	.00	3.40	24.50	7182.00	12.23	.00	2.40	806
0	0	1X	3.00	2	2	.25	.00	3.40	24.50	2992.00	12.19	.00	2.38	997
0	0	36S	3.00	2	2	.25	.00	3.40	24.50	2992.00	12.19	.00	2.38	997
0	0	2X	3.00	2	2	.25	.00	3.40	24.50	2879.00	12.24	.00	2.38	959
0	0	2X	.10	2	2	.25	.00	3.40	24.50	157.19	11.90	.00	2.41	1571
0	0	2X	3.10	2	2	.25	.00	3.40	24.50	2912.00	12.22	.00	2.38	939
0	0	3X	3.10	2	2	.25	.00	3.40	24.50	2772.00	12.29	.00	2.38	894
0	0	3X	.16	2	2	.25	.00	3.40	24.50	245.63	11.91	.00	2.38	1535
0	0	3X	3.26	2	2	.25	.00	3.40	24.50	2810.00	12.27	.00	2.38	861
0	0	4X	3.26	2	2	.25	.00	3.40	24.50	2715.00	12.32	.00	2.38	832
0	0	4X	.13	2	2	.25	.00	3.40	24.50	195.62	11.91	.00	2.41	1504
0	0	4X	3.39	2	2	.25	.00	3.40	24.50	2742.94	12.31	.00	2.38	809
0	0	5X	3.39	2	2	.25	.00	3.40	24.50	2625.37	12.43	.00	2.38	774
0	0	5X	.24	2	2	.25	.00	3.40	24.50	373.62	11.90	.00	2.41	1556
0	0	5X	3.63	2	2	.25	.00	3.40	24.50	2699.56	12.43	.00	2.38	743
0	0	6X	3.63	2	2	.25	.00	3.40	24.50	2643.31	12.47	.00	2.38	728
0	0	6X	.15	2	2	.25	.00	3.40	24.50	230.44	11.91	.00	2.42	1536
0	0	6X	3.78	2	2	.25	.00	3.40	24.50	2689.31	12.46	.00	2.39	711
0	0	41X	3.78	2	2	.25	.00	3.40	24.50	2621.12	12.51	.00	2.38	693
0	0	41X	.23	2	2	.25	.00	3.40	24.50	343.75	11.92	.00	2.37	1494
0	0	41X	4.01	2	2	.25	.00	3.40	24.50	2684.25	12.50	.00	2.39	669
0	0	141X	12.91	2	2	.25	.00	3.40	24.50	9606.00	12.27	.00	2.39	744
0	0	1S	12.91	2	2	.25	.00	3.40	24.50	9606.00	12.27	.00	2.39	744
0	0	43X	12.91	2	2	.25	.00	3.40	24.50	9493.00	12.34	.00	2.39	735
0	0	43X	.19	2	2	.25	.00	3.40	24.50	294.81	11.90	.00	2.44	1551
0	0	43X	13.10	2	2	.25	.00	3.40	24.50	9505.00	12.34	.00	2.39	725
0	0	143X	13.10	2	2	.25	.00	3.40	24.50	9468.00	12.35	.00	2.39	722
0	0	143X	.03	2	2	.25	.00	3.40	24.50	47.02	11.90	.00	2.38	1567

0 0 143X 13.13 2 2 .25 .00 3.40 24.50 9463.00 12.35 .00 2.39 720

'X' OR 'S' FOLLOWING THE ID REPRESENTS CROSS-SECTION OR STRUCTURE, RESPECTIVELY.

SUMMARY TABLE 3

	DISCHARGE, CFS								
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
STRUCTURE NO. 0									
EXIT									

TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD
TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD
TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD
TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD

ACCOUNT: PA505C SYSTEM ID = 00000036

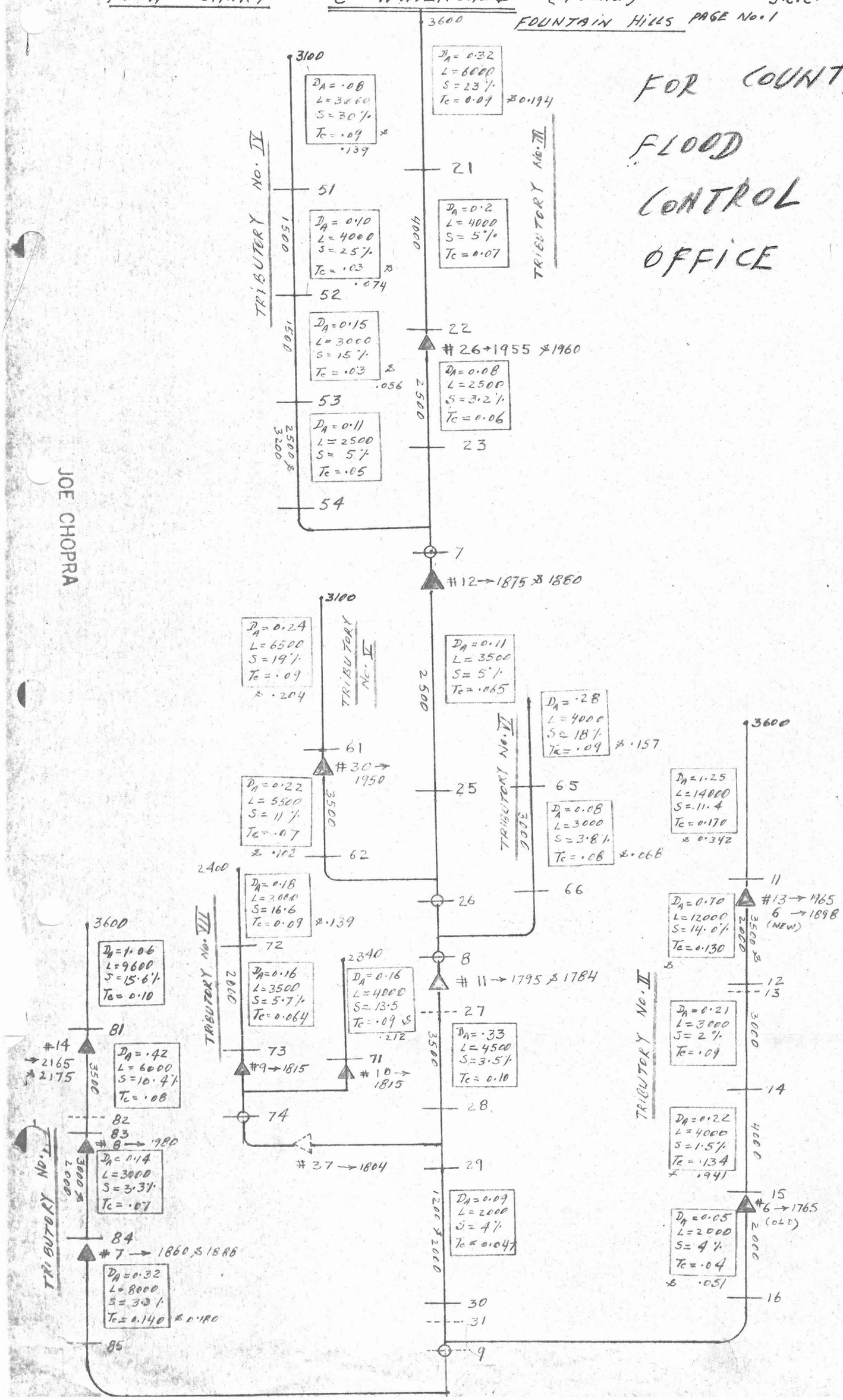
TOTAL JOB TIME	7.001
PROCESSOR EXECUTION TIME	.011
PROCESSOR I/O TIME	.036
PROCESSOR OVERHEAD TIME	.049
USER EXECUTION TIME	3.588
USER I/O TIME	1.263
USER OVERHEAD TIME	2.048
# OF CARDS READ	183
# OF CARDS PUNCHED	0
# OF PROCESSOR PAGES OUT	4
# OF USER PAGES OUT	24
# OF DIAGNOSTIC PAGES OUT	0
# OF SCRATCH TAPES USED	0
# OF SAVE TAPES USED	0
# OF DISK PACK READS AND WRITES	594
# OF RAD READS AND WRITES	1460
TEMPORARY DISC SPACE USED	31
PERMANENT DISC SPACE USED	53
ACCUM. PERM. DISC SPACE USED	0

TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD
TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD
TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD
TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSDATA TRANSD

FLOW CHART "C" WATERSHED (FINAL) J.C.C.

FOUNTAIN HILLS PAGE No. 1

FOR COUNTY FLOOD CONTROL OFFICE

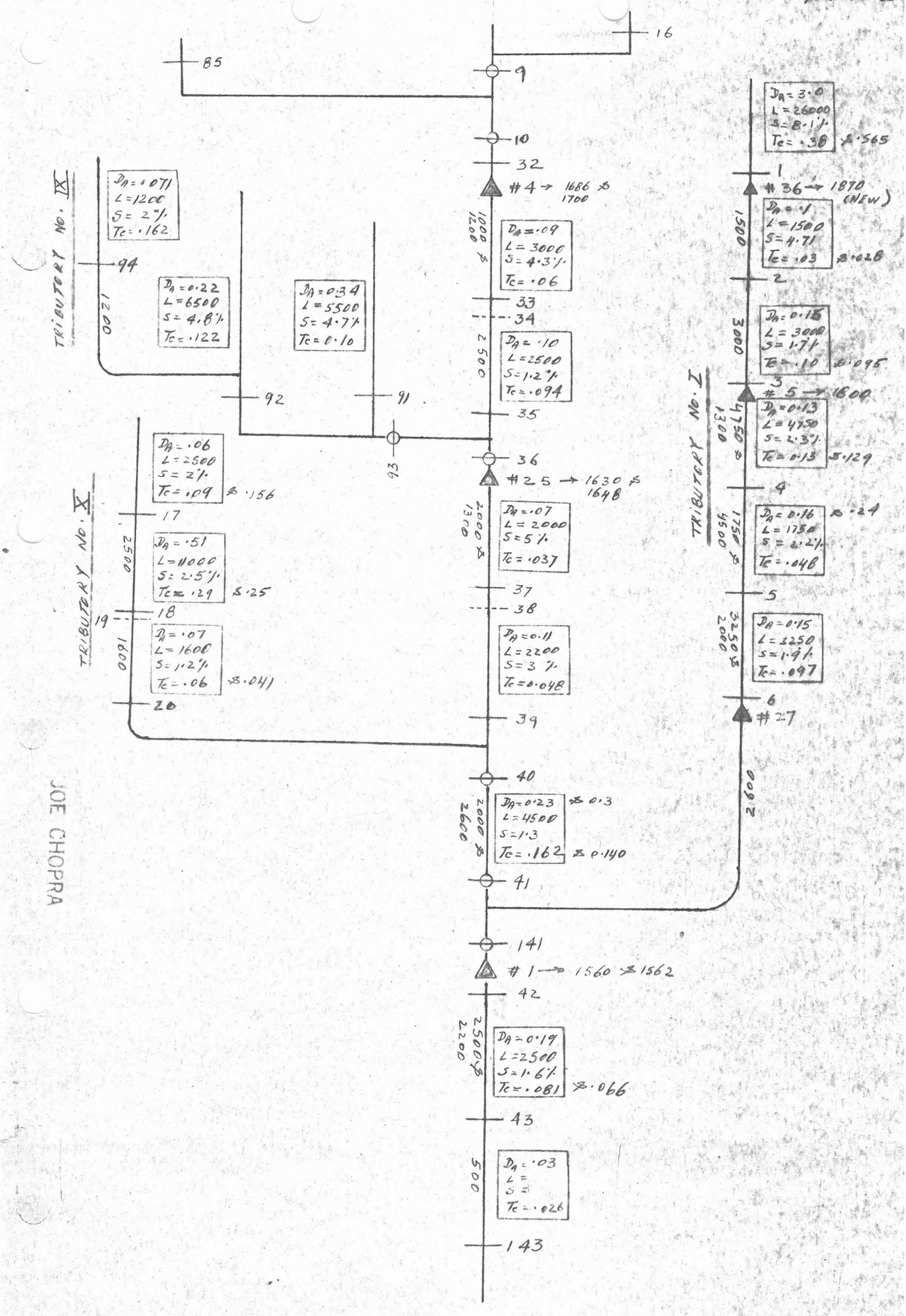


JOE CHOPRA

FLOW CHART "C" WATERSHED (FINAL) FOUNTAIN HILLS

J.C.C

PAGE NO. 2



JOE CHOPRA

SAMPLE INPUT T.R. (20) PAGE

```
EDIT BLCWS
*TY.5-100
   1.000 !JOB PA505C,CHOPRA,5
   2.000 !ASSIGN F:1,(FILE,SUMRY),(OUTIN)
   3.000 !ASSIGN F:2,(FILE,SK1),(OUTIN)
   4.000 !RUN (LMN,STR20)
   5.000 !DATA
   6.000 JOB
   7.000                    GOOD MORNING GEORGE
   8.000  5 RAINFL 2                0.5
   9.000  8            .000         .005         .011         .016
22
  10.000  8            .028         .036         .041         .048
56
  11.000  8            .063         .071         .080         .089
98
  12.000  8            .109         .120         .133         .147
63
  13.000  8            .181         .204         .235         .283
63
  14.000  8            .735         .772         .799         .820
38
  15.000  8            .854         .868         .880         .891
02
  16.000  8            .912         .921         .929         .937
45
  17.000  8            .952         .959         .965         .972
78
  18.000  8            .984         .989         .995        1.00
00
  19.000  9 ENDTBL
  19.010  3 STRUCT       11
  19.020  8                        1784.        000.         000.
  19.030  8                        1788.        193.          3.
  19.040  8                        1792.        249.         10.
  19.050  8                        1796.        294.         22.
  19.060  8                        1800.        334.         39.
  19.070  8                        1804.        369.         65.
  19.080  8                        1808.        401.        103.
  19.090  8                        1812.        431.        151.
  19.100  8                        1816.        459.        211.
  19.101  8                        1820.        485.        283.
  19.110  9 ENDTBL
  19.390  3 STRUCT        7
  19.400  8                        1888.        000.         000.
  19.410  8                        1892.        193.          1.
  19.420  8                        1896.        249.          2.
  19.430  8                        1900.        294.          6.
  19.440  8                        1904.        334.         10.
  19.450  8                        1908.        369.         17.
  19.460  8                        1912.        401.         26.
  19.470  8                        1916.        431.         39.
  19.480  8                        1920.        459.         58.
  19.490  8                        1924.        485.         85.
  19.500  8                        1930.        520.        145.
  19.510  9 ENDTBL
  19.520  3 STRUCT        6
  19.530  8                        1896.        000.         000.
  19.540  8                        1900.         52.          6.
  19.550  8                        1904.         72.         18.
  19.560  8                        1908.         87.         42.
  19.570  8                        1912.        100.         80.
  19.580  8                        1916.        111.        132.
  19.590  8                        1920.        121.        199.
  19.600  9 ENDTBL
  19.610  3 STRUCT        4
  19.620  8                        1700.        000.         000.
  19.621  8                        1704.        630.         10.
  19.622  8                        1708.        800.         30.
  19.623  8                        1712.        940.         75.
  19.624  8                        1716.       1060.        140.
  19.625  8                        1720.       1170.        230.
  19.626  8                        1724.       1270.        340.
  19.680  9 ENDTBL
```

EL OUTFLOW STORAGE

EL ~~STORAGE~~ flow cfs storage

JOE CHOPRA

```
  19.700   8                                  1870.      000.       000.
  19.710   8                                  1872.      160.         1.
  19.720   8                                  1876.      222.         6.
  19.730   8                                  1880.      273.        17.
  19.740   8                                  1884.      315.        37.
  19.750   8                                  1888.      352.        71.
  19.760   8                                  1892.      385.       119.
  19.770   8                                  1896.      416.       179.
  19.780   8                                  1900.      445.       255.
  19.790   9 ENDTBL
  20.010   6 RUNOFF 1  21   0 0 6 0.32                90.        0.194      1
0 0 1 0 1
  20.020   6 REACH  3  22   6 0 5 4000.               0.92                  1
0 0 1 0 1
  20.030   6 RUNOFF 1  22   0 0 6 0.20                90.        0.074      1
0 0 1 0 1
  20.040   6 ADDHYD 4  22   5 6 7                                           1
0 0 1 0 1
  20.050   6  RESVOR 2    26 7 0 5 1960.                                    1
0 0 1 0 1
  20.060   6 REACH  3  23   5 0 6 2500.              0.90                  1
0 0 1 0 1
  20.070   6 RUNOFF 1  23   0 0 5 0.08                90.        0.057      1
0 0 1 0 1
  20.080   6 ADDHYD 4  23   6 5 7                                           1
0 0 1 0 1
  20.090   6 SAVMOV 5  23   7 0 1                                           1
0 0 1 0 1
  20.100   6 RUNOFF 1  51   0 0 6 0.08                90.        0.139      1
0 0 1 0 1
  20.110   6 REACH  3  52   6 0 5 1500.              0.93                  1
0 0 1 0 1
  20.120   6 RUNOFF 1  52   0 0 6 0.10                90.        0.074      1
0 0 1 0 1
  20.130   6 ADDHYD 4  52   5 6 7                                           1
0 0 1 0 1
  20.140   6 REACH  3  53   7 0 5 1500.              0.93                  1
0 0 1 0 1
  20.150   6 RUNOFF 1  53   0 0 6 0.15                90.        0.056      1
0 0 1 0 1
  20.160   6 ADDHYD 4  53   5 6 7                                           1
0 0 1 0 1
  20.170   6 REACH  3  54   7 0 5 3200.              0.92                  1
0 0 1 0 1
  20.180   6  RUNOFF 1  54   0 0 6 0.11                90.        0.047      1
0 0 1 0 1
  20.190   6 ADDHYD 4  54   5 6 7                                           1
0 0 1 0 1
  20.200   6 SAVMOV 5  23   1 0 6                                           1
0 0 1 0 1
  20.210   6 ADDHYD 4   7   7 6 5                                           1
0 0 1 0 1
  20.220   6 RESVOR 2    12 5 0 7 1880.                                    1
0 0 1 0 1
  20.230   6 REACH  3  25   7 0 6 2500.              0.90                  1
0 0 1 0 1
  20.240   6 RUNOFF 1  25   0 0 5 0.11                90.        .065       1
0 0 1 0 1
  20.250   6 ADDHYD 4  25   5 6 7                                           1
0 0 1 0 1
  20.260   6 SAVMOV 5  25   7 0 1                                           1
0 0 1 0 1
  20.270   6 RUNOFF 1  61   0 0 6 0.24                90.        0.204      1
0 0 1 0 1
  20.280   6 RESVOR 2    30 6 0 5 1950.                                    1
0 0 1 0 1
  20.290   6 REACH  3  62   5 0 6 3500.              0.89                  1
0 0 1 0 1
  20.300   6 RUNOFF 1  62   0 0 5 0.22                90.        0.102      1
0 0 1 0 1
  20.310   6 ADDHYD 4  62   6 5 7                                           1
0 0 1 0 1
  20.320   6  SAVMOV 5  25   1 0 5                                          1
0 0 1 0 1
  20.330   6 ADDHYD 4  26   7 5 6                                           1
0 0 1 0 1
  20.340   6 SAVMOV 5  26   6 0 1                                           1
0 0 1 0 1
```

SCRIBLE (T.R.20) INPUT

PAGE 1

Area Curve Nos 0.92 coeff Tc

FOR CHOPRA

```
20.350   6 RUNOFF 1  65   0 0 6 0.28          90.          0.157          1
0 0 1 0 1
20.360   6 REACH 3  66   6 0 5 3000.          0.90                        1
0 0 1 0 1
20.370   6 RUNOFF 1  66   0 0 6 0.08          90.          0.068          1
0 0 1 0 1
20.380   6 ADDHYD 4  66   5 6 7                                            1
0 0 1 0 1
20.390   6 SAVMOV 5  26   1 0 6                                            1
0 0 1 0 1
20.400   6 ASSHYD 4   8   7 6 5                                            1
0 0 1 0 1
20.410   6 RESVOR 2    11 5 0 7 1784.                                     1
0 0 1 0 1
20.420   6 REACH  3  28   7 0 6 3500.          0.73                        1
0 0 1 0 1
20.430   6 RUNOFF 1  28   0 0 5 0.33          90.          0.10           1
0 0 1 0 1
20.440   6 ADDHYD 4  28   6 5 7                                            1
0 0 1 0 1
20.450   6 SAVMOV 5  28   7 0 1                                            1
0 0 1 0 1
20.460   6 RUNOFF 1  72   0 0 6 0.180         90.          0.139          1
0 0 1 0 1
20.470   6 REACH  3  73   6 0 5 2000.          0.92                        1
0 0 1 0 1
20.480   6 RUNOFF 1  73   0 0 6 0.160         90.          0.064          1
0 0 1 0 1
20.490   6 ADDHYD 4  73   5 6 7                                            1
0 0 1 0 1
20.500   6 RUNOFF 1  71   0 0 6 0.16          90.          0.212          1
0 0 1 0 1
20.510   6 ADDHYD 4  74   7 6 5                                            1
0 0 1 0 1
20.520   6 RESVOR 2    37 5 0 6 1804.                                     1
0 0 1 0 1
20.530   6 SAVMOV 5  28   1 0 5                                            1
0 0 1 0 1
20.540   6 ADDHYD 4  29   6 5 7                                            1
0 0 1 0 1
20.550   6 REACH  3  30   7 0 5 2000.          0.75                        1
0 0 1 0 1
20.560   6 RUNOFF 1  30   0 0 6 0.09          90.          0.047          1
0 0 1 0 1
20.570   6 ADDHYD 4  30   5 6 7                                            1
0 0 1 0 1
20.580   6 SAVMOV 5  30   7 0 1                                            1
0 0 1 0 1
20.590   6 RUNOFF 1  81   0 0 6 1.06          90.          0.10           1
0 0 1 0 1
20.600   6 RESVOR 2    14 6 0 5 2175.                                     1
0 0 1 0 1
20.610   6 REACH  3  82   5 0 7 3500.          0.92                        1
0 0 1 0 1
20.620   6 RUNOFF 1  82   0 0 6 0.42          90.          0.077          1
0 0 1 0 1
20.630   6 ADDHYD 4  82   7 6 5                                            1
0 0 1 0 1
20.640   6 REACH  3  84   5 0 6 2000.          0.93                        1
0 0 1 0 1
20.650   6 RUNOFF 1  84   0 0 5 0.14          90.          0.068          1
0 0 1 0 1
20.660   6 ADDHYD 4  84   6 5 7                                            1
0 0 1 0 1
20.670   6 RESVOR 2    07 7 0 5 1888.                                     1
0 0 1 0 1
20.680   6 REACH  3  85   5 0 6 7000.          0.93                        1
0 0 1 0 1
20.690   6 RUNOFF 1  85   0 0 5 0.32          90.          0.18           1
0 0 1 0 1
20.700   6 ADDHYD 4  85   6 5 7                                            1
0 0 1 0 1
20.710   6 SAVMOV 5  30   1 0 6                                            1
0 0 1 0 1
20.720   6 ADDHYD 4  31   7 6 5                                            1
0 0 1 0 1
20.730   6 SAVMOV 5  31   5 0 1                                            1
0 0 1 0 1
```

SVC

SAMPLE (T.A. 20)
INPUT

DRAFT NO. 3

JOE CHOPRA

```
  20.750  6  RESVOR 2      6 6 0 5 1896.                                    1
0 0 1 0 1
  20.760  6 REACH  3  12   5 0 7 2000.        .91                            1
0 0 1 0 1
  20.770  6 RUNOFF 1  12   0 0 6 0.70         90.          0.200             1
0 0 1 0 1
  20.780  6 ADDHYD 4  12   7 6 5                                             1
0 0 1 0 1
  20.790  6 REACH  3  14   5 0 6 3000.        0.87                           1
0 0 1 0 1
  20.800  6 RUNOFF 1  14   0 0 5 0.21         90.          0.090             1
0 0 1 0 1
  20.810  6 ADDHYD 4  14   6 5 7                                             1
0 0 1 0 1
  20.820  6 REACH  3  15   7 0 5 4000.        0.85                           1
0 0 1 0 1
  20.830  6 RUNOFF 1  15   0 0 6 0.22         90.          0.941             1
0 0 1 0 1
  20.840  6 ADDHYD 4  15   5 6 7                                             1
0 0 1 0 1
  20.850  6  REACH  3  16   7 0 5 2000.       0.91                           1
0 0 1 0 1
  20.860  6 RUNOFF 1  16   0 0 6 0.05         90.          0.051             1
0 0 1 0 1
  20.870  6 ADDHYD 4  16   5 6 7                                             1
0 0 1 0 1
  20.880  6 SAVMOV 5  31   1 0 6                                             1
0 0 1 0 1
  20.890  6 ADDHYD 4  32   7 6 5                                             1
0 0 1 0 1
  20.900  6 RESVOR 2      4 5 0 7 1700.                                     1
0 0 1 0 1
  20.910  6 REACH  3  33   7 0 6 1200.        0.89                           1
0 0 1 0 1
  20.920  6 RUNOFF 1  33   0 0 5 0.09         90.          0.059             1
0 0 1 0 1
  20.930  6 ADDHYD 4  33   6 5 7                                             1
0 0 1 0 1
  20.940  6 REACH  3  35   7 0 5 2500.        0.83                           1
0 0 1 0 1
  20.950  6 RUNOFF 1  35   0 0 6 0.10         90.          0.094             1
0 0 1 0 1
  20.960  6 ADDHYD 4  35   5 6 7                                             1
0 0 1 0 1
  20.970  6 SAVMOV 5  35   7 0 1                                             1
0 0 1 0 1
  20.980  6 RUNOFF 1  94   0 0 6 0.071        90.          0.162             1
0 0 1 0 1
  20.990  6 REACH  3  92   6 0 5 1200.        0.93                           1
0 0 1 0 1
  21.000  6 RUNOFF 1  92   0 0 6 0.22         90.          0.122             1
0 0 1 0 1
  21.010  6 ADDHYD 4  92   5 6 7                                             1
0 0 1 0 1
  21.020  6 RUNOFF 1  91   0 0 6 0.34         90.          0.187             1
0 0 1 0 1
  21.030  6 ADDHYD 4  93   7 6 5                                             1
0 0 1 0 1
  21.040  6 SAVMOV 5  35   1 0 6                                             1
0 0 1 0 1
  21.050  6 ADDHYD 4  36   5 6 7                                             1
0 0 1 0 1
  21.060  6 RESVOR 2     25 7 0 6 1648.                                     1
0 0 1 0 1
  21.070  6 REACH  3  37   6 0 7 1300.        0.87                           1
0 0 1 0 1
  21.080  6 RUNOFF 1  37   0 0 6 0.07         90.          0.037             1
0 0 1 0 1
  21.090  6 ADDHUD 4  37   7 6 5                                             1
0 0 1 0 1
  21.100  6  REACH  3  39   5 0 7 2200.       0.86                           1
0 0 1 0 1
  21.110  6 RUNOFF 1  39   0 0 6 0.11         90.          0.048             1
0 0 1 0 1
  21.120  6  ADDHYD 4  39   7 6 5                                            1
0 0 1 0 1
  21.130  6 SAVMOV 5  39   5 0 1                                             1
0 0 1 0 1
```

SAMPLE (T.R. 20)
INPUT

PAGE NO. (4)

JOE CHOPPA

```
  21.140   6 RUNOFF 1  17   0 0 6 0.06          90.          0.156          1
0 0 1 0 1
  21.150   6 REACH  3  18   6 0 5 2500.         0.87                        1
0 0 1 0 1
  21.160   6  RUNOFF 1  18   0 0 7 0.51         90.          0.250          1
0 0 1 0 1
  21.170   6 ADDHYD 4  18   5 7 6                                           1
0 0 1 0 1
  21.180   6 REACH  3  20   6 0 5 1600.         0.89                        1
0 0 1 0 1
  21.190   6 RUNOFF 1  20   0 0 7 0.07          90.          0.041          1
0 0 1 0 1
  21.200   6 ADDHYD 4  20   5 7 6                                           1
0 0 1 0 1
  21.210   6 SAVMOV 5  39   1 0 5                                           1
0 0 1 0 1
  21.220   6 ADDHYD 4  40   6 5 7                                           1
0 0 1 0 1
  21.230   6 SAVMOV 5  40   7 0 1                                           1
0 0 1 0 1
  21.240   6 RUNOFF 1   1   0 0 6 3.0           90.          0.565          1
0 0 1 0 1
  21.250   6 RESVOR 2     36 6 0 5 1870.                                   1
0 0 1 0 1
  21.260   6  REACH 3   2   5 0 7 1500.         0.83                        1
0 0 1 0 1
  21.270   6 RUNOFF 1   2   0 0 6 0.1           90.          0.028          1
0 0 1 0 1
  21.280   6 ADDHUF 4   2   7 6 5                                           1
0 0 1 0 1
  21.290   6 REACH  3   3   5 0 7 3000.         0.89                        1
0 0 1 0 1
  21.300   6 RUNOFF 1   3   0 0 6 0.16          90.          0.095          1
0 0 1 0 1
  21.310   6 ADDHYD 4   3   7 6 5                                           1
0 0 1 0 1
  21.320   6 REACH  3   4   5 0 7 1300.         0.77                        1
0 0 1 0 1
  21.330   6 RUNOFF 1   4   0 0 6 0.13          90.          0.129          1
0 0 1 0 1
  21.340   6 ADDHYD 4   4   7 6 5                                           1
0 0 1 0 1
  21.350   6 REACH  3   5   5 0 6 4500.         0.88                        1
0 0 1 0 1
  21.360   6 RUNOFF 1   5   0 0 5 0.24          90.          0.048          1
0 0 1 0 1
  21.370   6 ADDHYD 4   5   6 5 7                                           1
0 0 1 0 1
  21.380   6  REACH  3   6   7 0 5 2000.         0.87                        1
0 0 1 0 1
  21.390   6 RUNOFF 1   6   0 0 6 0.15          90.          0.097          1
0 0 1 0 1
  21.400   6 ADDHYD 4   6   5 6 7                                           1
0 0 1 0 1
  21.410   6 REACH  3  41   7 0 5 2600.         0.87                        1
0 0 1 0 1
  21.420   6 RUNOFF 1  41   0 0 6 0.23          90.          0.140          1
0 0 1 0 1
  21.430   6 ADDHYD 4  41   5 6 7                                           1
0 0 1 0 1
  21.440   6 SAVMOV 5  40   1 0 6                                           1
0 0 1 0 1
  21.450   6 ADDHYD 4 141   7 6 5                                           1
0 0 1 0 1
  21.460   6 RESVOR 2     1 5 0 6 1562.                                    1
0 0 1 0 1
  21.470   6 REACH  3  43   6 0 7 2200.         0.86                        1
0 0 1 0 1
  21.480   6 RUNOFF 1  43   0 0 6  .19          90.          0.066          1
0 0 1 0 1
  21.490   6 ADDHYD 4  43   7 6 5                                           1
0 0 1 0 1
  21.500   6 REACH  3 143   5 0 7 500.          0.86                        1
0 0 1 0 1
  21.510   6 RUNOFF 1 143   0 0 6 0.03          90.          0.026          1
0 0 1 0 1
  21.520   6 ADDHYD 4 143   7 6 5                                           1
0 0 1 0 1
```

SAMPLE (T.R. 20)
INPUT
PAGE No. 1(

JOF CHOPRA

```
  32.000      ENDATA
  33.000    7 LIST
  34.000    7  INCREM 6                    0.25
  35.000    7  COMPUT 7  21    143    0.0          4.5          1.0        2
2
  36.000      ENDCMP 1
  37.000    7 COMPUT 7  21    143    0.0          4.1          1.0        2
2
  38.000      ENDCMP 1
  39.000    7 COMPUT 7  21    143    0.0          3.8          1.0        2
2
  40.000      ENDCMP 1
  41.000    7 COMPUT 7  21    143    0.0          3.4          1.0        2
2
  42.000      ENDCMP 1
  43.000      ENDJOB 2
--EOF AFTER 43.
*
!
```

EXECUTIVE CONTROL

100 YRS

50 YRS

25 YRS

10 YRS

SAMPLE (T.R 20)

INPUT PAGE No 16)

CHOPRA

```
10:49 APR 15,'71 ID=0025-1C1
JOB PA505C,CHOPRA,5
ASSIGN F:1,(FILE,SUMRY),(OUTIN)
ASSIGN F:2,(FILE,SK1),(OUTIN)
RUN (LMN,$TR20)
EXECUTION  10:49
```

No 1971

6 hrs duration Storm

```
IIIIIIII      DDDDDDDDDDD                          0000000        0000000      22222222222     55555
IIIIIIII      DDDDDDDDDDDD                       000000000      000000000    2222222222222     55555
   II         DD         DD                     00       00     00       00   22         22     55
   II         DD         DD   ============     00         00   00         00               22  55
   II         DD         DD   ============     00         00   00         00               22  55
   II         DD         DD                    00         00   00         00             22    55555
   II         DD         DD                    00         00   00         00           22      55555
   II         DD         DD   ============     00         00   00         00         22
   II         DD         DD   ============     00         00   00         00       22
   II         DD         DD                     00       00     00       00     22             55
IIIIIIII      DDDDDDDDDDDD                       000000000      000000000    2222222222222     55555
IIIIIIII      DDDDDDDDDDD                         0000000        0000000     2222222222222      5555


PPPPPPPPPPPP    AAAAAAAAAAAA    5555555555555     0000000     555555555555    CCCCCCCCCCCC
PPPPPPPPPPPPP  AAAAAAAAAAAAA    5555555555555   000000000     555555555555   CCCCCCCCCCCCC
PP          PP  AA          AA  55              00       00   55              CC          CC
PP          PP  AA          AA  55              00         00 55              CC
PP          PP  AA          AA  55              00         00 55              CC
PPPPPPPPPPPPP  AAAAAAAAAAAAA    555555555555    00         00 555555555555    CC
PPPPPPPPPPPP   AAAAAAAAAAAAA    555555555555    00         00 555555555555    CC
PP             AA          AA              55  00         00             55  CC
PP             AA          AA              55  00         00             55  CC
PP             AA          AA  55          55  00       00   55          55  CC          CC
PP             AA          AA  555555555555    000000000     555555555555   CCCCCCCCCCCCC
PP             AA          AA   55555555555      0000000      55555555555    CCCCCCCCCCCC
```

APRIL 15 1971

TP 2

JOE CHOPRA

36

Return to storage

HYDROLOGY PROGRAM FOR SIGMA 5 - DATED APRIL, 1970

GOOD MORNING GEORGE

+

EXECUTIVE CONTROL CARD OPERATION LIST TR-20 ROUTING.

GOOD MORNING GEORGE

C TABLE VELOCITY INCREMENT = .200

8	.0000	.0800	.1800	.2500	.3200
8	.3700	.4100	.4500	.4900	.5100
8	.5400	.5700	.5900	.6100	.6300
8	.6500	.6600	.6700	.6900	.7000
8	.7100	.7200	.7300	.7400	.7500
8	.7600	.7700	.7700	.7800	.7900
8	.7900	.8000	.8100	.8100	.8200
8	.8200	.8300	.8300	.8400	.8400
8	.8400	.8500	.8500	.8600	.8600
8	.8600	.8600	.8700	.8700	.8700
8	.8800	.8800	.8800	.8900	.8900
8	.8900	.8900	.8900	.8900	.9000
8	.9000	.9000	.9000	.9000	.9100
8	.9100	.9100	.9100	.9100	.9100
8	.9200	.9200	.9200	.9200	.9200
8	.9200	.9200	.9200	.9300	.9300
8	.9300	.9300	.9300	.9300	.9300
9 ENDTBL					

STRUCTURE NO. 4

	ELEVATION	DISCHARGE	STORAGE
8	1700.0000	500.0000	3.0000
8	1704.0000	630.0000	10.0000
8	1708.0000	800.0000	30.0000
8	1712.0000	940.0000	75.0000
8	1716.0000	1060.0000	140.0000
8	1720.0000	1170.0000	230.0000
8	1724.0000	1270.0000	339.9998
9 ENDTBL			

STRUCTURE NO. 6

	ELEVATION	DISCHARGE	STORAGE

8	1896.0000	.0000	.0000
8	1900.0000	52.0000	6.0000
8	1904.0000	72.0000	18.0000
8	1908.0000	87.0000	42.0000
8	1912.0000	100.0000	80.0000
8	1916.0000	111.0000	132.0000
8	1920.0000	121.0000	199.0000
9 ENDTBL			

STRUCTURE NO. 7

	ELEVATION	DISCHARGE	STORAGE
8	1888.0000	.0000	.0000
8	1892.0000	193.0000	1.0000
8	1896.0000	249.0000	2.0000
8	1900.0000	294.0000	6.0000
8	1904.0000	334.0000	10.0000
8	1908.0000	369.0000	17.0000
8	1912.0000	401.0000	26.0000
8	1916.0000	431.0000	39.0000
8	1920.0000	459.0000	58.0000
8	1924.0000	485.0000	85.0000
8	1930.0000	520.0000	145.0000
9 ENDTBL			

STRUCTURE NO. 11

	ELEVATION	DISCHARGE	STORAGE
8	1784.0000	.0000	.0000
8	1788.0000	193.0000	3.0000
8	1792.0000	249.0000	10.0000
8	1796.0000	294.0000	22.0000
8	1800.0000	334.0000	39.0000
8	1804.0000	369.0000	65.0000
8	1808.0000	401.0000	103.0000
8	1812.0000	431.0000	151.0000
8	1816.0000	459.0000	211.0000
8	1820.0000	485.0000	282.9998
9 ENDTBL			

STRUCTURE NO. 36

	ELEVATION	DISCHARGE	STORAGE
8	1870.0000	.0000	.0000
8	1872.0000	160.0000	1.0000

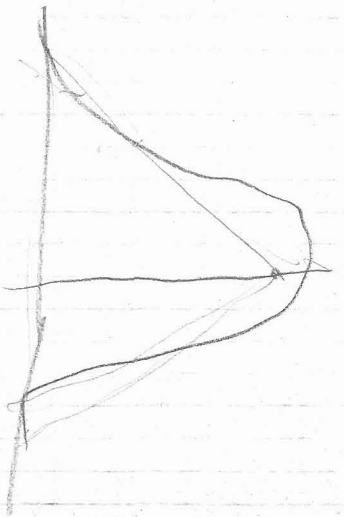
JOE CHOPRA

```
8                    1876.0000    222.0000     6.0000
8                    1880.0000    273.0000    17.0000
8                    1884.0000    315.0000    37.0000
8                    1888.0000    352.0000    71.0000
8                    1892.0000    385.0000   119.0000
8                    1896.0000    416.0000   179.0000
8                    1900.0000    445.0000   255.0000
9 ENDTBL

DIMENSIONLESS HYDROGRAPH - DELTA T =    .02

8                .0000      .0150      .0750      .1600      .2300
8                .4300      .6000      .7700      .8900      .9700
8               1.0000      .9800      .9200      .8400      .7500
8                .6600      .5650      .4900      .4200      .3650
8                .3200      .2790      .2400      .2100      .1800
8                .1550      .1300      .1130      .0980      .0860
8                .0750      .0650      .0560      .0470      .0410
8                .0350      .0300      .0260      .0220      .0190
8                .0170      .0150      .0130      .0110      .0090
8                .0070      .0050      .0030      .0020      .0010
8                .0000      .0000      .0000      .0000      .0000
8                .0000      .0000      .0000      .0000      .0000
9 ENDTBL

RAINFALL TABLE NO. 2      TIME INCREMENT =    .50

8                .0000      .0050      .0110      .0160      .0220
8                .0260      .0360      .0410      .0480      .0560
8                .0630      .0710      .0800      .0890      .0980
8                .1090      .1200      .1330      .1470      .1630
8                .1810      .2040      .2350      .2830      .6630
8                .7350      .7720      .7990      .8200      .8380
8                .8540      .8680      .8800      .8910      .9020
8                .9120      .9210      .9290      .9370      .9450
8                .9520      .9590      .9650      .9720      .9780
8                .9840      .9890      .9950     1.0000     1.0000
9 ENDTBL
```

JOE CHOPRA

TANDARD CONTROL INSTRUCTIONS

	HYDROGRAPHS						OUTPUT OPTIONS					
CT	IN1	IN2	OUT	DATA NO. 1	DATA NO. 2	DATA NO. 3	PK	H	E	V	PH	SM
0	0	0	6	.320	90.000	.194	1	0	0	1	0	1
0	6	0	5	4000.000	.920	.000	1	0	0	1	0	1
0	0	0	6	.200	90.000	.074	1	0	0	1	0	1
0	5	6	7	.000	.000	.000	1	0	0	1	0	1
26	7	0	5	1960.000	.000	.000	1	0	0	1	0	1
0	5	0	6	2500.000	.900	.000	1	0	0	1	0	1
0	0	0	5	.080	90.000	.057	1	0	0	1	0	1
0	6	5	7	.000	.000	.000	1	0	0	1	0	1
0	7	0	1	.000	.000	.000	1	0	0	1	0	1
0	0	0	6	.080	90.000	.139	1	0	0	1	0	1
0	6	0	5	1500.000	.930	.000	1	0	0	1	0	1
0	0	0	6	.100	90.000	.074	1	0	0	1	0	1
0	5	6	7	.000	.000	.000	1	0	0	1	0	1
0	7	0	5	1500.000	.930	.000	1	0	0	1	0	1
0	0	0	6	.150	90.000	.056	1	0	0	1	0	1
0	5	6	7	.000	.000	.000	1	0	0	1	0	1
0	7	0	5	3200.000	.920	.000	1	0	0	1	0	1
0	0	0	6	.110	90.000	.047	1	0	0	1	0	1
0	5	6	7	.000	.000	.000	1	0	0	1	0	1
0	1	0	6	.000	.000	.000	1	0	0	1	0	1
0	7	6	5	.000	.000	.000	1	0	0	1	0	1
12	5	0	7	1880.000	.000	.000	1	0	0	1	0	1
0	7	0	6	2500.000	.900	.000	1	0	0	1	0	1
0	0	0	5	.110	90.000	.065	1	0	0	1	0	1
0	5	6	7	.000	.000	.000	1	0	0	1	0	1
0	7	0	1	.000	.000	.000	1	0	0	1	0	1
0	0	0	6	.240	90.000	.204	1	0	0	1	0	1
30	6	0	5	1950.000	.000	.000	1	0	0	1	0	1
0	5	0	6	3500.000	.890	.000	1	0	0	1	0	1
0	0	0	5	.220	90.000	.102	1	0	0	1	0	1
0	6	5	7	.000	.000	.000	1	0	0	1	0	1
0	1	0	5	.000	.000	.000	1	0	0	1	0	1
0	7	5	6	.000	.000	.000	1	0	0	1	0	1
0	6	0	1	.000	.000	.000	1	0	0	1	0	1
0	0	0	6	.280	90.000	.157	1	0	0	1	0	1
0	6	0	5	3000.000	.900	.000	1	0	0	1	0	1
0	0	0	6	.080	90.000	.068	1	0	0	1	0	1
0	5	6	7	.000	.000	.000	1	0	0	1	0	1
0	1	0	6	.000	.000	.000	1	0	0	1	0	1
0	7	6	5	.000	.000	.000	1	0	0	1	0	1



RE[illegible]R	0	11	5	0	7	[illegible]84.0[illegible]	.000	.000	1	0	0	[illegible]	0	[illegible]
REACH	28	0	7	0	6	3500.000	.730	.000	1	0	0	1	0	1
RUNOFF	28	0	0	0	5	.330	90.000	.100	1	0	0	1	0	1
ADDHYD	28	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	28	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	72	0	0	0	6	.180	90.000	.139	1	0	0	1	0	1
REACH	73	0	6	0	5	2000.000	.920	.000	1	0	0	1	0	1
RUNOFF	73	0	0	0	6	.160	90.000	.064	1	0	0	1	0	1
ADDHYD	73	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RUNOFF	71	0	0	0	6	.160	90.000	.212	1	0	0	1	0	1
ADDHYD	74	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	37	5	0	6	1804.000	.000	.000	1	0	0	1	0	1
SAVMOV	28	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	29	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	30	0	7	0	5	2000.000	.750	.000	1	0	0	1	0	1
RUNOFF	30	0	0	0	6	.090	90.000	.047	1	0	0	1	0	1
ADDHYD	30	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	30	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	81	0	0	0	6	1.060	90.000	.100	1	0	0	1	0	1
RESVOR	0	14	6	0	5	2175.000	.000	.000	1	0	0	1	0	1
REACH	82	0	5	0	7	3500.000	.920	.000	1	0	0	1	0	1
RUNOFF	82	0	0	0	6	.420	90.000	.077	1	0	0	1	0	1
ADDHYD	82	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	84	0	5	0	6	2000.000	.930	.000	1	0	0	1	0	1
RUNOFF	84	0	0	0	5	.140	90.000	.068	1	0	0	1	0	1
ADDHYD	84	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	7	7	0	5	1888.000	.000	.000	1	0	0	1	0	1
REACH	85	0	5	0	6	7000.000	.930	.000	1	0	0	1	0	1
RUNOFF	85	0	0	0	5	.320	90.000	.180	1	0	0	1	0	1
ADDHYD	85	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	30	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	31	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMOV	31	0	5	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	11	0	0	0	6	1.250	90.000	.342	1	0	0	1	0	1
RESVOR	0	6	6	0	5	1896.000	.000	.000	1	0	0	1	0	1
REACH	12	0	5	0	7	2000.000	.910	.000	1	0	0	1	0	1
RUNOFF	12	0	0	0	6	.700	90.000	.200	1	0	0	1	0	1
ADDHYD	12	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	14	0	5	0	6	3000.000	.870	.000	1	0	0	1	0	1
RUNOFF	14	0	0	0	5	.210	90.000	.090	1	0	0	1	0	1
ADDHYD	14	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	15	0	7	0	5	4000.000	.850	.000	1	0	0	1	0	1
RUNOFF	15	0	0	0	6	.220	90.000	.941	1	0	0	1	0	1
ADDHYD	15	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	16	0	7	0	5	2000.000	.910	.000	1	0	0	1	0	1

JOE CHOPRA

RU[illegible]F	16	0	0	0	6	[illegible]	90.000	.051	1	0	0	[illegible]	0	[illegible]
ADDHYD	16	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMBV	31	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	32	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVBR	0	4	5	0	7	1700.000	.000	.000	1	0	0	1	0	1
REACH	33	0	7	0	6	1200.000	.890	.000	1	0	0	1	0	1
RUNBFF	33	0	0	0	5	.090	90.000	.059	1	0	0	1	0	1
ADDHYD	33	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	35	0	7	0	5	2500.000	.830	.000	1	0	0	1	0	1
RUNBFF	35	0	0	0	6	.100	90.000	.094	1	0	0	1	0	1
ADDHYD	35	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMBV	35	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNBFF	94	0	0	0	6	.071	90.000	.162	1	0	0	1	0	1
REACH	92	0	6	0	5	1200.000	.930	.000	1	0	0	1	0	1
RUNBFF	92	0	0	0	6	.220	90.000	.122	1	0	0	1	0	1
ADDHYD	92	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RUNBFF	91	0	0	0	6	.340	90.000	.187	1	0	0	1	0	1
ADDHYD	93	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMBV	35	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	36	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RESVBR	0	25	7	0	6	1648.000	.000	.000	1	0	0	1	0	1
REACH	37	0	6	0	7	1300.000	.870	.000	1	0	0	1	0	1
RUNBFF	37	0	0	0	6	.070	90.000	.037	1	0	0	1	0	1
ADDHUD	37	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	39	0	5	0	7	2200.000	.860	.000	1	0	0	1	0	1
RUNBFF	39	0	0	0	6	.110	90.000	.048	1	0	0	1	0	1
ADDHYD	39	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMBV	39	0	5	0	1	.000	.000	.000	1	0	0	1	0	1
RUNBFF	17	0	0	0	6	.060	90.000	.156	1	0	0	1	0	1
REACH	18	0	6	0	5	2500.000	.870	.000	1	0	0	1	0	1
RUNBFF	18	0	0	0	7	.510	90.000	.250	1	0	0	1	0	1
ADDHYD	18	0	5	7	6	.000	.000	.000	1	0	0	1	0	1
REACH	20	0	6	0	5	1600.000	.890	.000	1	0	0	1	0	1
RUNBFF	20	0	0	0	7	.070	90.000	.041	1	0	0	1	0	1
ADDHYD	20	0	5	7	6	.000	.000	.000	1	0	0	1	0	1
SAVMBV	39	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	40	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMBV	40	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNBFF	1	0	0	0	6	3.000	90.000	.565	1	0	0	1	0	1
RESVBR	0	36	6	0	5	1870.000	.000	.000	1	0	0	1	0	1
REACH	2	0	5	0	7	1500.000	.830	.000	1	0	0	1	0	1
RUNBFF	2	0	0	0	6	.100	90.000	.028	1	0	0	1	0	1
ADDHUF	2	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	3	0	5	0	7	3000.000	.890	.000	1	0	0	1	0	1
RUNBFF	3	0	0	0	6	.160	90.000	.095	1	0	0	1	0	1

ADD[illegible]D	3	0	7	6	5	[illegible]	.000	.000	1	0	0	[illegible]	0	[illegible]
REACH	4	0	5	0	7	1300.000	.770	.000	1	0	0	1	0	1
RUNOFF	4	0	0	0	6	.130	90.000	.129	1	0	0	1	0	1
ADDHYD	4	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	5	0	5	0	6	4500.000	.880	.000	1	0	0	1	0	1
RUNOFF	5	0	0	0	5	.240	90.000	.048	1	0	0	1	0	1
ADDHYD	5	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	6	0	7	0	5	2000.000	.870	.000	1	0	0	1	0	1
RUNOFF	6	0	0	0	6	.150	90.000	.097	1	0	0	1	0	1
ADDHYD	6	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	41	0	7	0	5	2600.000	.870	.000	1	0	0	1	0	1
RUNOFF	41	0	0	0	6	.230	90.000	.140	1	0	0	1	0	1
ADDHYD	41	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	40	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	141	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	1	5	0	6	1562.000	.000	.000	1	0	0	1	0	1
REACH	43	0	6	0	7	2200.000	.860	.000	1	0	0	1	0	1
RUNOFF	43	0	0	0	6	.190	90.000	.066	1	0	0	1	0	1
ADDHYD	43	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	143	0	5	0	7	500.000	.860	.000	1	0	0	1	0	1
RUNOFF	143	0	0	0	6	.030	90.000	.026	1	0	0	1	0	1
ADDHYD	143	0	7	6	5	.000	.000	.000	1	0	0	1	0	1

ENDATA

END OF LISTING

JOE CHOPPA

```
EXECUTIVE CONTROL CARD                OPERATION  INCREM
+                                                ,     MAIN TIME INCREMENT=    .25
EXECUTIVE CONTROL CARD                OPERATION  COMPUT
+                                                ,     FROM XSECTN/STRUCT  21/  0     TO XSECTN/STRUC
        STARTING TIME=    .00      RAIN DEPTH=  4.50     RAIN DURATION=  1.00     RAIN TABLE NO.= 2     SO
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
EXECUTIVE CONTROL CARD                OPERATION  COMPUT
+                                                ,     FROM XSECTN/STRUCT  21/  0     TO XSECTN/STRUC
        STARTING TIME=    .00      RAIN DEPTH=  4.10     RAIN DURATION=  1.00     RAIN TABLE NO.= 2     SO
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
EXECUTIVE CONTROL CARD                OPERATION  COMPUT
+                                                ,     FROM XSECTN/STRUCT  21/  0     TO XSECTN/STRUC
        STARTING TIME=    .00      RAIN DEPTH=  3.80     RAIN DURATION=  1.00     RAIN TABLE NO.= 2     SO
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
EXECUTIVE CONTROL CARD                OPERATION  COMPUT
+                                                ,     FROM XSECTN/STRUCT  21/  0     TO XSECTN/STRUC
        STARTING TIME=    .00      RAIN DEPTH=  3.40     RAIN DURATION=  1.00     RAIN TABLE NO.= 2     SO
        ALTERNATE NO.= 0           STORM NO.= 0

ENDCMP 1
```

JOE CHOPRA

SUMMARY TABLE 1

ALT	STORM	ID	DA SQ-MI.	RAIN TBLE	AMC	DELTA-T HRS.	TZERO HRS.	PRECIP IN.	PRECIP DURATION	PEAK-Q CFS	PEAK-TIME	PEAK-ELEV	RUNOFF IN
0	0	21X	.32	2	2	.25	.00	4.50	24.50	646.94	11.93	.00	3.
0	0	22X	.32	2	2	.25	.00	4.50	24.50	588.69	11.99	.00	3.
0	0	22X	.20	2	2	.25	.00	4.50	24.50	433.06	11.89	.00	3.
0	0	22X	.52	2	2	.25	.00	4.50	24.50	1015.75	11.95	.00	3.
0	0	26S	.52	2	2	.25	.00	4.50	24.50	1015.75	11.95	.00	3.
0	0	23X	.52	2	2	.25	.00	4.50	24.50	946.13	11.99	.00	3.
0	0	23X	.08	2	2	.25	.00	4.50	24.50	175.12	11.89	.00	3.
0	0	23X	.60	2	2	.25	.00	4.50	24.50	1112.06	11.97	.00	3.
0	0	51X	.08	2	2	.25	.00	4.50	24.50	169.00	11.91	.00	3.
0	0	52X	.08	2	2	.25	.00	4.50	24.50	163.63	11.93	.00	3.
0	0	52X	.10	2	2	.25	.00	4.50	24.50	217.75	11.90	.00	3.
0	0	52X	.18	2	2	.25	.00	4.50	24.50	379.31	11.91	.00	3.
0	0	53X	.18	2	2	.25	.00	4.50	24.50	366.44	11.93	.00	3.
0	0	53X	.15	2	2	.25	.00	4.50	24.50	328.06	11.89	.00	3.
0	0	53X	.33	2	2	.25	.00	4.50	24.50	693.50	11.91	.00	3.
0	0	54X	.33	2	2	.25	.00	4.50	24.50	643.94	11.96	.00	3.
0	0	54X	.11	2	2	.25	.00	4.50	24.50	241.37	11.89	.00	3.
0	0	54X	.44	2	2	.25	.00	4.50	24.50	881.94	11.94	.00	3.
0	0	7X	1.04	2	2	.25	.00	4.50	24.50	1991.00	11.96	.00	3.
0	0	12S	1.04	2	2	.25	.00	4.50	24.50	1991.00	11.96	.00	3.
0	0	25X	1.04	2	2	.25	.00	4.50	24.50	1856.00	12.00	.00	3.
0	0	25X	.11	2	2	.25	.00	4.50	24.50	239.94	11.89	.00	3.
0	0	25X	1.15	2	2	.25	.00	4.50	24.50	2083.00	11.98	.00	3.
0	0	61X	.24	2	2	.25	.00	4.50	24.50	479.75	11.94	.00	3.
0	0	30S	.24	2	2	.25	.00	4.50	24.50	479.75	11.94	.00	3.
0	0	62X	.24	2	2	.25	.00	4.50	24.50	434.19	12.00	.00	3.
0	0	62X	.22	2	2	.25	.00	4.50	24.50	472.25	11.90	.00	3.
0	0	62X	.46	2	2	.25	.00	4.50	24.50	894.44	11.95	.00	3.
0	0	26X	1.61	2	2	.25	.00	4.50	24.50	2969.00	11.97	.00	3.
0	0	65X	.28	2	2	.25	.00	4.50	24.50	582.81	11.92	.00	3.
0	0	66X	.28	2	2	.25	.00	4.50	24.50	538.37	11.97	.00	3.
0	0	66X	.08	2	2	.25	.00	4.50	24.50	174.44	11.89	.00	3.
0	0	66X	.36	2	2	.25	.00	4.50	24.50	708.87	11.95	.00	3.
0	0	8X	1.97	2	2	.25	.00	4.50	24.50	3676.00	11.97	.00	3.
0	0	11S	1.97	2	2	.25	.00	4.50	24.50	436.88	12.98	1812.84	3.
0	0	28X	1.97	2	2	.25	.00	4.50	24.50	435.81	13.23	.00	3.
0	0	28X	.33	2	2	.25	.00	4.50	24.50	710.81	11.90	.00	3.
0	0	28X	2.30	2	2	.25	.00	4.50	24.50	1024.81	11.93	.00	3.
0	0	72X	.18	2	2	.25	.00	4.50	24.50	379.19	11.91	.00	3.
0	0	73X	.18	2	2	.25	.00	4.50	24.50	361.94	11.94	.00	3.

100 YRS

JOE CHOPRA

0	0	73X	.16	2	2	.25	.00	4.50	24.50	349.13	11.8	.00	3.
0	0	73X	.34	2	2	.25	.00	4.50	24.50	707.81	11.92	.00	3.
0	0	71X	.16	2	2	.25	.00	4.50	24.50	317.81	11.94	.00	3.
0	0	74X	.50	2	2	.25	.00	4.50	24.50	1028.25	11.93	.00	3.
0	0	37S	.50	2	2	.25	.00	4.50	24.50	1028.25	11.93	.00	3.
0	0	29X	2.80	2	2	.25	.00	4.50	24.50	2054.00	11.93	.00	3.
0	0	30X	2.80	2	2	.25	.00	4.50	24.50	1872.00	12.00	.00	3.
0	0	30X	.09	2	2	.25	.00	4.50	24.50	197.37	11.89	.00	3.
0	0	30X	2.89	2	2	.25	.00	4.50	24.50	2056.00	11.99	.00	3.
0	0	81X	1.06	2	2	.25	.00	4.50	24.50	2293.00	11.90	.00	3.
0	0	14S	1.06	2	2	.25	.00	4.50	24.50	2293.00	11.90	.00	3.
0	0	82X	1.06	2	2	.25	.00	4.50	24.50	2123.00	11.95	.00	3.
0	0	82X	.42	2	2	.25	.00	4.50	24.50	914.81	11.90	.00	3.
0	0	82X	1.48	2	2	.25	.00	4.50	24.50	3023.00	11.94	.00	3.
0	0	84X	1.48	2	2	.25	.00	4.50	24.50	2886.00	11.96	.00	3.
0	0	84X	.14	2	2	.25	.00	4.50	24.50	305.25	11.89	.00	3.
0	0	84X	1.62	2	2	.25	.00	4.50	24.50	3184.00	11.95	.00	3.
0	0	7S	1.62	2	2	.25	.00	4.50	24.50	503.18	12.69	1927.12	3.
0	0	85X	1.62	2	2	.25	.00	4.50	24.50	503.25	12.84	.00	3.
0	0	85X	.32	2	2	.25	.00	4.50	24.50	653.25	11.93	.00	3.
0	0	85X	1.94	2	2	.25	.00	4.50	24.50	1074.56	11.96	.00	3.
0	0	31X	4.83	2	2	.25	.00	4.50	24.50	3124.00	11.98	.00	3.
0	0	11X	1.25	2	2	.25	.00	4.50	24.50	2181.00	12.02	.00	3.
0	0	6S	1.25	2	2	.25	.00	4.50	24.50	112.17	15.01	1916.47	2.
0	0	12X	1.25	2	2	.25	.00	4.50	24.50	112.03	15.04	.00	2.
0	0	12X	.70	2	2	.25	.00	4.50	24.50	1411.00	11.94	.00	3.
0	0	12X	1.95	2	2	.25	.00	4.50	24.50	1501.00	11.94	.00	2.
0	0	14X	1.95	2	2	.25	.00	4.50	24.50	1370.00	12.00	.00	2.
0	0	14X	.21	2	2	.25	.00	4.50	24.50	455.38	11.90	.00	3.
0	0	14X	2.16	2	2	.25	.00	4.50	24.50	1804.00	11.97	.00	2.
0	0	15X	2.16	2	2	.25	.00	4.50	24.50	1571.00	12.07	.00	2.
0	0	15X	.22	2	2	.25	.00	4.50	24.50	236.31	12.41	.00	3.
0	0	15X	2.38	2	2	.25	.00	4.50	24.50	1736.00	12.09	.00	2.
0	0	16X	2.38	2	2	.25	.00	4.50	24.50	1624.50	12.14	.00	2.
0	0	16X	.05	2	2	.25	.00	4.50	24.50	109.81	11.89	.00	3.
0	0	16X	2.43	2	2	.25	.00	4.50	24.50	1721.00	12.11	.00	2.
0	0	32X	7.26	2	2	.25	.00	4.50	24.50	4760.00	12.02	.00	3.
0	0	4S	7.26	2	2	.25	.00	4.50	24.50	1210.21	15.22	1721.61	3.
0	0	33X	7.26	2	2	.25	.00	4.50	24.50	1210.01	15.25	.00	3.
0	0	33X	.09	2	2	.25	.00	4.50	24.50	196.75	11.89	.00	3.
0	0	33X	7.35	2	2	.25	.00	4.50	24.50	1215.82	14.99	.00	3.
0	0	35X	7.35	2	2	.25	.00	4.50	24.50	1216.35	15.02	.00	3.
0	0	35X	.10	2	2	.25	.00	4.50	24.50	216.25	11.90	.00	3.
0	0	35X	7.45	2	2	.25	.00	4.50	24.50	1311.81	12.03	.00	3.
0	0	94X	.07	2	2	.25	.00	4.50	24.50	147.37	11.92	.00	3.

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JOE CHOPRA

0	0	92X	.07	2	2	.25	.00	4.50	24.50	143.69	11.9	.00	3.
0	0	92X	.22	2	2	.25	.00	4.50	24.50	467.69	11.90	.00	3.
0	0	92X	.29	2	2	.25	.00	4.50	24.50	610.00	11.91	.00	3.
0	0	91X	.34	2	2	.25	.00	4.50	24.50	689.06	11.93	.00	3.
0	0	93X	.63	2	2	.25	.00	4.50	24.50	1306.00	11.92	.00	3.
0	0	36X	8.08	2	2	.25	.00	4.50	24.50	2590.00	11.95	.00	3.
0	0	25S	8.08	2	2	.25	.00	4.50	24.50	2590.00	11.95	.00	3.
0	0	37X	8.08	2	2	.25	.00	4.50	24.50	2510.00	11.97	.00	3.
0	0	37X	.07	2	2	.25	.00	4.50	24.50	153.87	11.89	.00	3.
0	0	37X	8.15	2	2	.25	.00	4.50	24.50	2657.00	11.97	.00	3.
0	0	39X	8.15	2	2	.25	.00	4.50	24.50	2508.00	12.01	.00	3.
0	0	39X	.11	2	2	.25	.00	4.50	24.50	241.06	11.89	.00	3.
0	0	39X	8.26	2	2	.25	.00	4.50	24.50	2728.00	12.00	.00	3.
0	0	17X	.06	2	2	.25	.00	4.50	24.50	125.62	11.92	.00	3.
0	0	18X	.06	2	2	.25	.00	4.50	24.50	116.06	11.97	.00	3.
0	0	18X	.51	2	2	.25	.00	4.50	24.50	977.19	11.96	.00	3.
0	0	18X	.57	2	2	.25	.00	4.50	24.50	1095.00	11.96	.00	3.
0	0	20X	.57	2	2	.25	.00	4.50	24.50	1036.87	11.99	.00	3.
0	0	20X	.07	2	2	.25	.00	4.50	24.50	153.69	11.89	.00	3.
0	0	20X	.64	2	2	.25	.00	4.50	24.50	1185.00	11.98	.00	3.
0	0	40X	8.90	2	2	.25	.00	4.50	24.50	3909.00	11.99	.00	3.
0	0	1X	3.00	2	2	.25	.00	4.50	24.50	4268.00	12.19	.00	3.
0	0	36S	3.00	2	2	.25	.00	4.50	24.50	452.43	13.79	1901.02	3.
0	0	2X	3.00	2	2	.25	.00	4.50	24.50	452.02	13.84	.00	3.
0	0	2X	.10	2	2	.25	.00	4.50	24.50	220.00	11.89	.00	3.
0	0	2X	3.10	2	2	.25	.00	4.50	24.50	545.56	11.97	.00	3.
0	0	3X	3.10	2	2	.25	.00	4.50	24.50	526.13	12.03	.00	3.
0	0	3X	.16	2	2	.25	.00	4.50	24.50	346.25	11.90	.00	3.
0	0	3X	3.26	2	2	.25	.00	4.50	24.50	856.94	11.95	.00	3.
0	0	4X	3.26	2	2	.25	.00	4.50	24.50	818.31	11.99	.00	3.
0	0	4X	.13	2	2	.25	.00	4.50	24.50	276.50	11.91	.00	3.
0	0	4X	3.39	2	2	.25	.00	4.50	24.50	1087.87	11.96	.00	3.
0	0	5X	3.39	2	2	.25	.00	4.50	24.50	991.56	12.06	.00	3.
0	0	5X	.24	2	2	.25	.00	4.50	24.50	523.50	11.89	.00	3.
0	0	5X	3.63	2	2	.25	.00	4.50	24.50	1470.00	11.98	.00	3.
0	0	6X	3.63	2	2	.25	.00	4.50	24.50	1387.50	12.02	.00	3.
0	0	6X	.15	2	2	.25	.00	4.50	24.50	324.62	11.90	.00	3.
0	0	6X	3.78	2	2	.25	.00	4.50	24.50	1690.00	11.99	.00	3.
0	0	41X	3.78	2	2	.25	.00	4.50	24.50	1570.31	12.04	.00	3.
0	0	41X	.23	2	2	.25	.00	4.50	24.50	485.31	11.91	.00	3.
0	0	41X	4.01	2	2	.25	.00	4.50	24.50	2018.00	12.00	.00	3.
0	0	141X	12.91	2	2	.25	.00	4.50	24.50	5922.00	11.99	.00	3.
0	0	1S	12.91	2	2	.25	.00	4.50	24.50	5922.00	11.99	.00	3.
0	0	43X	12.91	2	2	.25	.00	4.50	24.50	5527.00	12.04	.00	3.
0	0	43X	.19	2	2	.25	.00	4.50	24.50	413.44	11.89	.00	3.

JDE CHOPRA

0	0	43X	13.10	2	2	.25	.00	4.50	24.50	5880.00	12.0	.00	3
0	0	143X	13.10	2	2	.25	.00	4.50	24.50	5787.00	12.03	.00	3
0	0	143X	.03	2	2	.25	.00	4.50	24.50	66.11	11.89	.00	3
0	0	143X	13.13	2	2	.25	.00	4.50	24.50	5853.00	12.03	.00	3
0	0	21X	.32	2	2	.25	.00	4.10	24.50	577.12	11.94	.00	3
0	0	22X	.32	2	2	.25	.00	4.10	24.50	525.44	11.99	.00	3
0	0	22X	.20	2	2	.25	.00	4.10	24.50	389.44	11.90	.00	3
0	0	22X	.52	2	2	.25	.00	4.10	24.50	902.19	11.95	.00	3
0	0	26S	.52	2	2	.25	.00	4.10	24.50	902.19	11.95	.00	3
0	0	23X	.52	2	2	.25	.00	4.10	24.50	842.06	11.99	.00	3
0	0	23X	.08	2	2	.25	.00	4.10	24.50	156.75	11.90	.00	3
0	0	23X	.60	2	2	.25	.00	4.10	24.50	993.37	11.97	.00	3
0	0	51X	.08	2	2	.25	.00	4.10	24.50	151.00	11.91	.00	3
0	0	52X	.08	2	2	.25	.00	4.10	24.50	146.00	11.93	.00	3
0	0	52X	.10	2	2	.25	.00	4.10	24.50	194.81	11.90	.00	3
0	0	52X	.18	2	2	.25	.00	4.10	24.50	340.19	11.91	.00	3
0	0	53X	.18	2	2	.25	.00	4.10	24.50	328.69	11.93	.00	3
0	0	53X	.15	2	2	.25	.00	4.10	24.50	294.00	11.90	.00	3
0	0	53X	.33	2	2	.25	.00	4.10	24.50	618.62	11.92	.00	3
0	0	54X	.33	2	2	.25	.00	4.10	24.50	575.25	11.96	.00	3
0	0	54X	.11	2	2	.25	.00	4.10	24.50	216.12	11.90	.00	3
0	0	54X	.44	2	2	.25	.00	4.10	24.50	787.75	11.94	.00	3
0	0	7X	1.04	2	2	.25	.00	4.10	24.50	1782.00	11.96	.00	3
0	0	12S	1.04	2	2	.25	.00	4.10	24.50	1782.00	11.96	.00	3
0	0	25X	1.04	2	2	.25	.00	4.10	24.50	1659.00	12.00	.00	3
0	0	25X	.11	2	2	.25	.00	4.10	24.50	214.88	11.90	.00	3
0	0	25X	1.15	2	2	.25	.00	4.10	24.50	1863.00	11.98	.00	3
0	0	61X	.24	2	2	.25	.00	4.10	24.50	427.12	11.94	.00	3
0	0	30S	.24	2	2	.25	.00	4.10	24.50	427.12	11.94	.00	3
0	0	62X	.24	2	2	.25	.00	4.10	24.50	386.31	12.00	.00	3
0	0	62X	.22	2	2	.25	.00	4.10	24.50	422.81	11.90	.00	3
0	0	62X	.46	2	2	.25	.00	4.10	24.50	796.50	11.95	.00	3
0	0	26X	1.61	2	2	.25	.00	4.10	24.50	2649.00	11.97	.00	3
0	0	65X	.28	2	2	.25	.00	4.10	24.50	520.94	11.92	.00	3
0	0	66X	.28	2	2	.25	.00	4.10	24.50	479.56	11.97	.00	3
0	0	66X	.08	2	2	.25	.00	4.10	24.50	156.06	11.90	.00	3
0	0	66X	.36	2	2	.25	.00	4.10	24.50	631.25	11.95	.00	3
0	0	8X	1.97	2	2	.25	.00	4.10	24.50	3281.00	11.97	.00	3
0	0	11S	1.97	2	2	.25	.00	4.10	24.50	424.51	12.90	1811.13	3
0	0	28X	1.97	2	2	.25	.00	4.10	24.50	424.57	13.16	.00	3
0	0	28X	.33	2	2	.25	.00	4.10	24.50	636.62	11.90	.00	3
0	0	28X	2.30	2	2	.25	.00	4.10	24.50	939.87	11.94	.00	3
0	0	72X	.18	2	2	.25	.00	4.10	24.50	339.81	11.91	.00	3
0	0	73X	.18	2	2	.25	.00	4.10	24.50	323.37	11.94	.00	3
0	0	73X	.16	2	2	.25	.00	4.10	24.50	312.62	11.90	.00	3

0	0	73X	.34	2	2	.25	.00	4.10	24.50	632.69	11.9	.00	3.
0	0	71X	.16	2	2	.25	.00	4.10	24.50	283.56	11.94	.00	3.
0	0	74X	.50	2	2	.25	.00	4.10	24.50	916.69	11.93	.00	3.
0	0	37S	.50	2	2	.25	.00	4.10	24.50	916.69	11.93	.00	3.
0	0	29X	2.80	2	2	.25	.00	4.10	24.50	1860.00	11.93	.00	3.
0	0	30X	2.80	2	2	.25	.00	4.10	24.50	1692.00	12.01	.00	3.
0	0	30X	.09	2	2	.25	.00	4.10	24.50	176.81	11.90	.00	3.
0	0	30X	2.89	2	2	.25	.00	4.10	24.50	1856.00	11.99	.00	3.
0	0	81X	1.06	2	2	.25	.00	4.10	24.50	2052.00	11.90	.00	3.
0	0	14S	1.06	2	2	.25	.00	4.10	24.50	2052.00	11.90	.00	3.
0	0	82X	1.06	2	2	.25	.00	4.10	24.50	1897.00	11.96	.00	3.
0	0	82X	.42	2	2	.25	.00	4.10	24.50	817.63	11.90	.00	3.
0	0	82X	1.48	2	2	.25	.00	4.10	24.50	2700.00	11.94	.00	3.
0	0	84X	1.48	2	2	.25	.00	4.10	24.50	2584.00	11.96	.00	3.
0	0	84X	.14	2	2	.25	.00	4.10	24.50	273.31	11.90	.00	3.
0	0	84X	1.62	2	2	.25	.00	4.10	24.50	2849.00	11.96	.00	3.
0	0	7S	1.62	2	2	.25	.00	4.10	24.50	493.69	12.63	1925.49	3.
0	0	85X	1.62	2	2	.25	.00	4.10	24.50	493.27	12.80	.00	3.
0	0	85X	.32	2	2	.25	.00	4.10	24.50	584.00	11.93	.00	3.
0	0	85X	1.94	2	2	.25	.00	4.10	24.50	994.12	11.97	.00	3.
0	0	31X	4.83	2	2	.25	.00	4.10	24.50	2844.00	11.99	.00	3.
0	0	11X	1.25	2	2	.25	.00	4.10	24.50	1943.00	12.02	.00	3.
0	0	6S	1.25	2	2	.25	.00	4.10	24.50	108.64	14.68	1915.14	2.
0	0	12X	1.25	2	2	.25	.00	4.10	24.50	108.63	14.73	.00	2.
0	0	12X	.70	2	2	.25	.00	4.10	24.50	1262.00	11.94	.00	3.
0	0	12X	1.95	2	2	.25	.00	4.10	24.50	1349.00	11.94	.00	2.
0	0	14X	1.95	2	2	.25	.00	4.10	24.50	1229.00	12.00	.00	2.
0	0	14X	.21	2	2	.25	.00	4.10	24.50	406.56	11.90	.00	3.
0	0	14X	2.16	2	2	.25	.00	4.10	24.50	1615.00	11.97	.00	2.
0	0	15X	2.16	2	2	.25	.00	4.10	24.50	1407.31	12.07	.00	2.
0	0	15X	.22	2	2	.25	.00	4.10	24.50	210.35	12.41	.00	3.
0	0	15X	2.38	2	2	.25	.00	4.10	24.50	1553.81	12.10	.00	2.
0	0	16X	2.38	2	2	.25	.00	4.10	24.50	1451.94	12.14	.00	2.
0	0	16X	.05	2	2	.25	.00	4.10	24.50	98.31	11.90	.00	3.
0	0	16X	2.43	2	2	.25	.00	4.10	24.50	1539.50	12.11	.00	2.
0	0	32X	7.26	2	2	.25	.00	4.10	24.50	4311.00	12.02	.00	2.
0	0	4S	7.26	2	2	.25	.00	4.10	24.50	1176.37	14.92	1720.25	2.
0	0	33X	7.26	2	2	.25	.00	4.10	24.50	1178.23	14.94	.00	2.
0	0	33X	.09	2	2	.25	.00	4.10	24.50	176.06	11.90	.00	3.
0	0	33X	7.35	2	2	.25	.00	4.10	24.50	1187.25	14.58	.00	2.
0	0	35X	7.35	2	2	.25	.00	4.10	24.50	1186.06	14.88	.00	2.
0	0	35X	.10	2	2	.25	.00	4.10	24.50	193.56	11.90	.00	3.
0	0	35X	7.45	2	2	.25	.00	4.10	24.50	1247.94	12.04	.00	2.
0	0	94X	.07	2	2	.25	.00	4.10	24.50	132.06	11.92	.00	3.
0	0	92X	.07	2	2	.25	.00	4.10	24.50	128.31	11.93	.00	3.

JOE CHOPRA

0	0	92X	.22	2	2	.25	.00	4.10	24.50	417.44	11.91	.00	3.09
0	0	92X	.29	2	2	.25	.00	4.10	24.50	545.19	11.91	.00	3.08
0	0	91X	.34	2	2	.25	.00	4.10	24.50	616.56	11.93	.00	3.07
0	0	93X	.63	2	2	.25	.00	4.10	24.50	1167.00	11.92	.00	3.07
0	0	36X	8.08	2	2	.25	.00	4.10	24.50	2385.00	11.95	.00	2.96
0	0	25S	8.08	2	2	.25	.00	4.10	24.50	2385.00	11.95	.00	2.96
0	0	37X	8.08	2	2	.25	.00	4.10	24.50	2311.00	11.98	.00	2.96
0	0	37X	.07	2	2	.25	.00	4.10	24.50	137.81	11.90	.00	3.10
0	0	37X	8.15	2	2	.25	.00	4.10	24.50	2447.00	11.97	.00	2.96
0	0	39X	8.15	2	2	.25	.00	4.10	24.50	2311.00	12.02	.00	2.96
0	0	39X	.11	2	2	.25	.00	4.10	24.50	215.94	11.90	.00	3.07
0	0	39X	8.26	2	2	.25	.00	4.10	24.50	2507.00	12.00	.00	2.96
0	0	17X	.06	2	2	.25	.00	4.10	24.50	112.25	11.92	.00	3.00
0	0	18X	.06	2	2	.25	.00	4.10	24.50	103.75	11.97	.00	3.01
0	0	18X	.51	2	2	.25	.00	4.10	24.50	872.25	11.96	.00	3.06
0	0	18X	.57	2	2	.25	.00	4.10	24.50	976.50	11.97	.00	3.06
0	0	20X	.57	2	2	.25	.00	4.10	24.50	924.38	11.99	.00	3.05
0	0	20X	.07	2	2	.25	.00	4.10	24.50	137.69	11.90	.00	3.10
0	0	20X	.64	2	2	.25	.00	4.10	24.50	1056.06	11.98	.00	3.06
0	0	40X	8.90	2	2	.25	.00	4.10	24.50	3558.00	11.99	.00	2.97
0	0	1X	3.00	2	2	.25	.00	4.10	24.50	3806.00	12.19	.00	3.04
0	0	36S	3.00	2	2	.25	.00	4.10	24.50	437.13	13.68	1898.91	3.05
0	0	2X	3.00	2	2	.25	.00	4.10	24.50	437.66	13.75	.00	3.04
0	0	2X	.10	2	2	.25	.00	4.10	24.50	197.19	11.89	.00	3.08
0	0	2X	3.10	2	2	.25	.00	4.10	24.50	513.25	11.98	.00	3.05
0	0	3X	3.10	2	2	.25	.00	4.10	24.50	494.81	12.04	.00	3.04
0	0	3X	.16	2	2	.25	.00	4.10	24.50	309.69	11.90	.00	3.10
0	0	3X	3.26	2	2	.25	.00	4.10	24.50	788.00	11.95	.00	3.05
0	0	4X	3.26	2	2	.25	.00	4.10	24.50	753.12	12.00	.00	3.05
0	0	4X	.13	2	2	.25	.00	4.10	24.50	247.19	11.91	.00	3.08
0	0	4X	3.39	2	2	.25	.00	4.10	24.50	992.50	11.97	.00	3.04
0	0	5X	3.39	2	2	.25	.00	4.10	24.50	906.69	12.06	.00	3.05
0	0	5X	.24	2	2	.25	.00	4.10	24.50	470.37	11.90	.00	3.08
0	0	5X	3.63	2	2	.25	.00	4.10	24.50	1333.75	11.98	.00	3.05
0	0	6X	3.63	2	2	.25	.00	4.10	24.50	1258.56	12.02	.00	3.05
0	0	6X	.15	2	2	.25	.00	4.10	24.50	290.25	11.90	.00	3.05
0	0	6X	3.78	2	2	.25	.00	4.10	24.50	1527.00	11.99	.00	3.05
0	0	41X	3.78	2	2	.25	.00	4.10	24.50	1419.44	12.04	.00	3.05
0	0	41X	.23	2	2	.25	.00	4.10	24.50	433.19	11.91	.00	3.03
0	0	41X	4.01	2	2	.25	.00	4.10	24.50	1820.00	12.00	.00	3.05
0	0	141X	12.91	2	2	.25	.00	4.10	24.50	5371.00	11.99	.00	2.99
0	0	1S	12.91	2	2	.25	.00	4.10	24.50	5371.00	11.99	.00	2.99
0	0	43X	12.91	2	2	.25	.00	4.10	24.50	5014.00	12.04	.00	2.99
0	0	43X	.19	2	2	.25	.00	4.10	24.50	371.00	11.90	.00	3.11
0	0	43X	13.10	2	2	.25	.00	4.10	24.50	5342.00	12.03	.00	2.99

0	0	143X	13.10	2	2	.25	[illegible]	4.10	24.50	5251.00	12.04	.00	2.99
0	0	143X	.03	2	2	.25	.00	4.10	24.50	59.18	11.89	.00	3.03
0	0	143X	13.13	2	2	.25	.00	4.10	24.50	5303.00	12.03	.00	2.99
0	0	21X	.32	2	2	.25	.00	3.80	24.50	524.12	11.94	.00	2.78
0	0	22X	.32	2	2	.25	.00 25 lbs	3.80	24.50	477.69	11.99	.00	2.77
0	0	22X	.20	2	2	.25	.00	3.80	24.50	355.31	11.90	.00	2.78
0	0	22X	.52	2	2	.25	.00	3.80	24.50	823.00	11.95	.00	2.79
0	0	26S	.52	2	2	.25	.00	3.80	24.50	823.00	11.95	.00	2.79
0	0	23X	.52	2	2	.25	.00	3.80	24.50	765.19	11.99	.00	2.78
0	0	23X	.08	2	2	.25	.00	3.80	24.50	143.12	11.90	.00	2.81
0	0	23X	.60	2	2	.25	.00	3.80	24.50	902.38	11.97	.00	2.79
0	0	51X	.08	2	2	.25	.00	3.80	24.50	137.50	11.91	.00	2.78
0	0	52X	.08	2	2	.25	.00	3.80	24.50	132.94	11.93	.00	2.77
0	0	52X	.10	2	2	.25	.00	3.80	24.50	177.81	11.90	.00	2.81
0	0	52X	.18	2	2	.25	.00	3.80	24.50	310.00	11.91	.00	2.79
0	0	53X	.18	2	2	.25	.00	3.80	24.50	299.56	11.93	.00	2.79
0	0	53X	.15	2	2	.25	.00	3.80	24.50	268.06	11.90	.00	2.83
0	0	53X	.33	2	2	.25	.00	3.80	24.50	564.44	11.92	.00	2.81
0	0	54X	.33	2	2	.25	.00	3.80	24.50	524.81	11.96	.00	2.80
0	0	54X	.11	2	2	.25	.00	3.80	24.50	197.19	11.90	.00	2.78
0	0	54X	.44	2	2	.25	.00	3.80	24.50	717.69	11.95	.00	2.80
0	0	7X	1.04	2	2	.25	.00	3.80	24.50	1622.00	11.96	.00	2.79
0	0	12S	1.04	2	2	.25	.00	3.80	24.50	1622.00	11.96	.00	2.79
0	0	25X	1.04	2	2	.25	.00	3.80	24.50	1511.00	12.00	.00	2.79
0	0	25X	.11	2	2	.25	.00	3.80	24.50	196.19	11.90	.00	2.77
0	0	25X	1.15	2	2	.25	.00	3.80	24.50	1696.00	11.99	.00	2.79
0	0	61X	.24	2	2	.25	.00	3.80	24.50	389.81	11.94	.00	2.74
0	0	30S	.24	2	2	.25	.00	3.80	24.50	389.81	11.94	.00	2.74
0	0	62X	.24	2	2	.25	.00	3.80	24.50	351.69	12.00	.00	2.75
0	0	62X	.22	2	2	.25	.00	3.80	24.50	386.63	11.90	.00	2.76
0	0	62X	.46	2	2	.25	.00	3.80	24.50	726.50	11.95	.00	2.76
0	0	26X	1.61	2	2	.25	.00	3.80	24.50	2417.00	11.97	.00	2.79
0	0	65X	.28	2	2	.25	.00	3.80	24.50	473.38	11.92	.00	2.79
0	0	66X	.28	2	2	.25	.00	3.80	24.50	437.12	11.97	.00	2.78
0	0	66X	.08	2	2	.25	.00	3.80	24.50	142.44	11.90	.00	2.81
0	0	66X	.36	2	2	.25	.00	3.80	24.50	576.25	11.95	.00	2.79
0	0	8X	1.97	2	2	.25	.00	3.80	24.50	2991.00	11.97	.00	2.79
0	0	11S	1.97	2	2	.25	.00	3.80	24.50	415.05	12.86	1809.87	2.77
0	0	28X	1.97	2	2	.25	.00	3.80	24.50	415.17	13.11	.00	2.78
0	0	28X	.33	2	2	.25	.00	3.80	24.50	578.56	11.90	.00	2.81
0	0	28X	2.30	2	2	.25	.00	3.80	24.50	872.69	11.94	.00	2.78
0	0	72X	.18	2	2	.25	.00	3.80	24.50	309.38	11.91	.00	2.79
0	0	73X	.18	2	2	.25	.00	3.80	24.50	294.37	11.94	.00	2.79
0	0	73X	.16	2	2	.25	.00	3.80	24.50	285.06	11.90	.00	2.82
0	0	73X	.34	2	2	.25	.00	3.80	24.50	575.19	11.92	.00	2.80

	0	71X	.16	2	2	.25	.00	3.80	24.50	258.06	11.95	.00	2.73
0	0	74X	.50	2	2	.25	.00	3.80	24.50	833.81	11.93	.00	2.79
0	0	37S	.50	2	2	.25	.00	3.80	24.50	833.81	11.93	.00	2.79
0	0	29X	2.80	2	2	.25	.00	3.80	24.50	1711.00	11.93	.00	2.79
0	0	30X	2.80	2	2	.25	.00	3.80	24.50	1559.00	12.01	.00	2.78
0	0	30X	.09	2	2	.25	.00	3.80	24.50	161.31	11.90	.00	2.82
0	0	30X	2.89	2	2	.25	.00	3.80	24.50	1709.00	12.00	.00	2.78
0	0	81X	1.06	2	2	.25	.00	3.80	24.50	1872.00	11.90	.00	2.82
0	0	14S	1.06	2	2	.25	.00	3.80	24.50	1872.00	11.90	.00	2.82
0	0	82X	1.06	2	2	.25	.00	3.80	24.50	1731.00	11.96	.00	2.80
0	0	82X	.42	2	2	.25	.00	3.80	24.50	744.88	11.90	.00	2.78
0	0	82X	1.48	2	2	.25	.00	3.80	24.50	2466.00	11.94	.00	2.81
0	0	84X	1.48	2	2	.25	.00	3.80	24.50	2353.00	11.96	.00	2.81
0	0	84X	.14	2	2	.25	.00	3.80	24.50	249.12	11.90	.00	2.77
0	0	84X	1.62	2	2	.25	.00	3.80	24.50	2594.00	11.96	.00	2.81
0	0	7S	1.62	2	2	.25	.00	3.80	24.50	486.72	12.61	1924.29	2.79
0	0	85X	1.62	2	2	.25	.00	3.80	24.50	486.70	12.78	.00	2.79
0	0	85X	.32	2	2	.25	.00	3.80	24.50	531.87	11.93	.00	2.78
0	0	85X	1.94	2	2	.25	.00	3.80	24.50	931.00	11.98	.00	2.79
0	0	31X	4.83	2	2	.25	.00	3.80	24.50	2635.00	11.99	.00	2.79
0	0	11X	1.25	2	2	.25	.00	3.80	24.50	1764.00	12.02	.00	2.76
0	0	6S	1.25	2	2	.25	.00	3.80	24.50	105.96	14.48	1914.17	2.37
0	0	12X	1.25	2	2	.25	.00	3.80	24.50	105.94	14.53	.00	2.37
0	0	12X	.70	2	2	.25	.00	3.80	24.50	1148.00	11.94	.00	2.78
0	0	12X	1.95	2	2	.25	.00	3.80	24.50	1232.00	11.94	.00	2.52
0	0	14X	1.95	2	2	.25	.00	3.80	24.50	1119.69	12.00	.00	2.51
0	0	14X	.21	2	2	.25	.00	3.80	24.50	371.31	11.90	.00	2.77
0	0	14X	2.16	2	2	.25	.00	3.80	24.50	1474.00	11.97	.00	2.54
0	0	15X	2.16	2	2	.25	.00	3.80	24.50	1281.00	12.08	.00	2.53
0	0	15X	.22	2	2	.25	.00	3.80	24.50	191.09	12.41	.00	2.76
0	0	15X	2.38	2	2	.25	.00	3.80	24.50	1412.50	12.10	.00	2.55
0	0	16X	2.38	2	2	.25	.00	3.80	24.50	1324.75	12.15	.00	2.55
0	0	16X	.05	2	2	.25	.00	3.80	24.50	89.69	11.90	.00	2.79
0	0	16X	2.43	2	2	.25	.00	3.80	24.50	1404.75	12.12	.00	2.55
0	0	32X	7.26	2	2	.25	.00	3.80	24.50	3973.00	12.03	.00	2.71
0	0	4S	7.26	2	2	.25	.00	3.80	24.50	1148.29	14.71	1719.21	2.70
0	0	33X	7.26	2	2	.25	.00	3.80	24.50	1147.02	14.74	.00	2.70
0	0	33X	.09	2	2	.25	.00	3.80	24.50	160.62	11.90	.00	2.81
0	0	33X	7.35	2	2	.25	.00	3.80	24.50	1156.30	14.54	.00	2.70
0	0	35X	7.35	2	2	.25	.00	3.80	24.50	1157.05	14.63	.00	2.70
0	0	35X	.10	2	2	.25	.00	3.80	24.50	176.31	11.90	.00	2.80
0	0	35X	7.45	2	2	.25	.00	3.80	24.50	1204.50	12.05	.00	2.70
0	0	94X	.07	2	2	.25	.00	3.80	24.50	120.25	11.92	.00	2.72
0	0	92X	.07	2	2	.25	.00	3.80	24.50	116.94	11.94	.00	2.72
0	0	92X	.22	2	2	.25	.00	3.80	24.50	381.88	11.91	.00	2.75

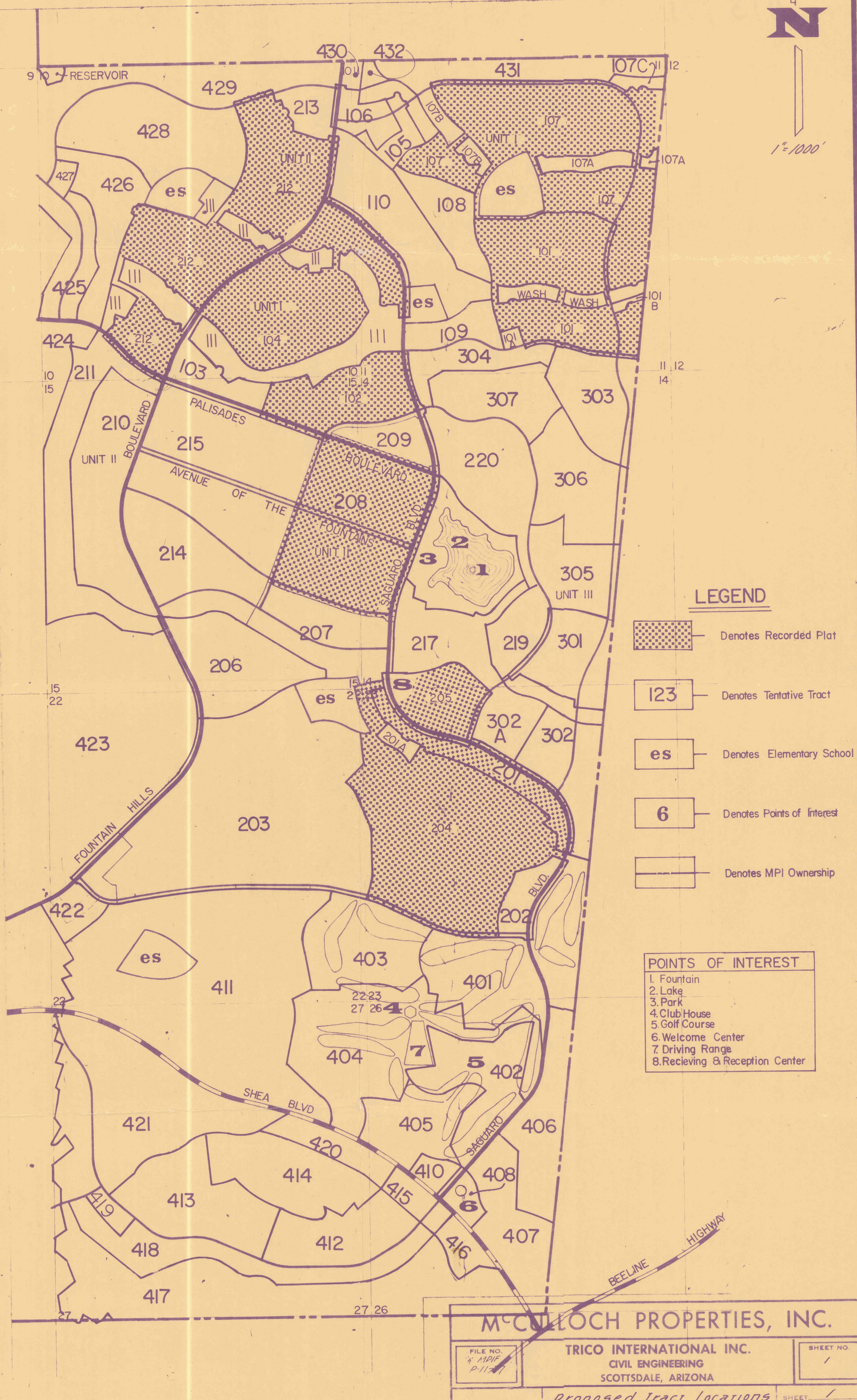
.29	2	2	.25	.00	3.80	24.50	4[illegible].44	11.91	.00	2.74	1709.41
.34	2	2	.25	.00	3.80	24.50	558.69	11.93	.00	2.78	1643.20
.63	2	2	.25	.00	3.80	24.50	1060.69	11.92	.00	2.79	1680.96
8.08	2	2	.25	.00	3.80	24.50	2236.00	11.96	.00	2.71	276.70
8.08	2	2	.25	.00	3.80	24.50	2236.00	11.96	.00	2.71	276.70
8.08	2	2	.25	.00	3.80	24.50	2167.00	11.98	.00	2.71	268.16
.07	2	2	.25	.00	3.80	24.50	125.75	11.90	.00	2.77	1796.43
8.15	2	2	.25	.00	3.80	24.50	2286.00	11.97	.00	2.71	280.46
8.15	2	2	.25	.00	3.80	24.50	2167.00	12.02	.00	2.71	265.86
.11	2	2	.25	.00	3.80	24.50	197.00	11.90	.00	2.78	1790.91
8.26	2	2	.25	.00	3.80	24.50	2344.00	12.00	.00	2.71	283.74
.06	2	2	.25	.00	3.80	24.50	102.25	11.92	.00	2.71	1704.17
.06	2	2	.25	.00	3.80	24.50	94.44	11.97	.00	2.72	1573.96
.51	2	2	.25	.00	3.80	24.50	792.00	11.97	.00	2.74	1552.94
.57	2	2	.25	.00	3.80	24.50	888.44	11.97	.00	2.74	1558.66
.57	2	2	.25	.00	3.80	24.50	839.12	11.99	.00	2.74	1472.15
.07	2	2	.25	.00	3.80	24.50	125.81	11.90	.00	2.77	1797.32
.64	2	2	.25	.00	3.80	24.50	960.75	11.08	.00	2.75	1501.17
8.90	2	2	.25	.00	3.80	24.50	3297.00	11.99	.00	2.71	370.41
3.00	2	2	.25	.00	3.80	24.50	3456.00	12.19	.00	2.75	1152.00
3.00	2	2	.25	.00	3.80	24.50	427.22	13.60	1897.55	2.76	142.41
3.00	2	2	.25	.00	3.80	24.50	426.57	13.66	.00	2.76	142.19
.10	2	2	.25	.00	3.80	24.50	180.00	11.90	.00	2.82	1800.00
3.10	2	2	.25	.00	3.80	24.50	487.81	11.99	.00	2.76	157.36
3.10	2	2	.25	.00	3.80	24.50	471.06	12.05	.00	2.76	151.96
.16	2	2	.25	.00	3.80	24.50	282.00	11.90	.00	2.81	1762.50
3.26	2	2	.25	.00	3.80	24.50	737.00	11.96	.00	2.76	226.07
3.26	2	2	.25	.00	3.80	24.50	705.56	12.00	.00	2.76	216.43
.13	2	2	.25	.00	3.80	24.50	225.00	11.91	.00	2.79	1730.77
3.39	2	2	.25	.00	3.80	24.50	923.88	11.97	.00	2.76	272.53
3.39	2	2	.25	.00	3.80	24.50	840.44	12.07	.00	2.76	247.92
.24	2	2	.25	.00	3.80	24.50	427.69	11.90	.00	2.83	1782.03
3.63	2	2	.25	.00	3.80	24.50	1231.31	11.99	.00	2.76	339.20
3.63	2	2	.25	.00	3.80	24.50	1160.94	12.03	.00	2.76	319.82
.15	2	2	.25	.00	3.80	24.50	264.62	11.90	.00	2.76	1764.17
3.78	2	2	.25	.00	3.80	24.50	1406.37	11.99	.00	2.77	372.06
3.78	2	2	.25	.00	3.80	24.50	1306.50	12.05	.00	2.76	345.64
.23	2	2	.25	.00	3.80	24.50	394.44	11.91	.00	2.75	1714.95
4.01	2	2	.25	.00	3.80	24.50	1672.00	12.00	.00	2.77	416.96
12.91	2	2	.25	.00	3.80	24.50	4963.00	12.00	.00	2.73	384.40
12.91	2	2	.25	.00	3.80	24.50	4963.00	12.00	.00	2.73	384.40
12.91	2	2	.25	.00	3.80	24.50	4633.00	12.04	.00	2.73	358.84
.19	2	2	.25	.00	3.80	24.50	338.50	11.90	.00	2.78	1781.58
13.10	2	2	.25	.00	3.80	24.50	4925.00	12.03	.00	2.73	375.93
13.10	2	2	.25	.00	3.80	24.50	4344.00	12.04	.00	2.73	369.74

JOE CHOPRA

0	0	74X	.50	2	2	.25	.00	3.40	24.50	725.38	11.93	.00	2.41
0	0	37S	.50	2	2	.25	.00	3.40	24.50	725.38	11.93	.00	2.41
0	0	29X	2.80	2	2	.25	.00	3.40	24.50	1512.00	11.94	.00	2.41
0	0	30X	2.80	2	2	.25	.00	3.40	24.50	1379.00	12.01	.00	2.40
0	0	30X	.09	2	2	.25	.00	3.40	24.50	140.87	11.90	.00	2.44
0	0	30X	2.89	2	2	.25	.00	3.40	24.50	1509.00	12.00	.00	2.40
0	0	81X	1.06	2	2	.25	.00	3.40	24.50	1629.00	11.91	.00	2.43
0	0	14S	1.06	2	2	.25	.00	3.40	24.50	1629.00	11.91	.00	2.43
0	0	82X	1.06	2	2	.25	.00	3.40	24.50	1505.00	11.96	.00	2.42
0	0	82X	.42	2	2	.25	.00	3.40	24.50	646.50	11.90	.00	2.40
0	0	82X	1.48	2	2	.25	.00	3.40	24.50	2145.00	11.94	.00	2.43
0	0	84X	1.48	2	2	.25	.00	3.40	24.50	2045.00	11.96	.00	2.42
0	0	84X	.14	2	2	.25	.00	3.40	24.50	217.00	11.90	.00	2.44
0	0	84X	1.62	2	2	.25	.00	3.40	24.50	2258.00	11.96	.00	2.43
0	0	7S	1.62	2	2	.25	.00	3.40	24.50	473.81	12.57	1922.28	2.42
0	0	85X	1.62	2	2	.25	.00	3.40	24.50	473.41	12.72	.00	2.41
0	0	85X	.32	2	2	.25	.00	3.40	24.50	461.00	11.93	.00	2.40
0	0	85X	1.94	2	2	.25	.00	3.40	24.50	847.87	11.99	.00	2.41
0	0	31X	4.83	2	2	.25	.00	3.40	24.50	2354.00	12.00	.00	2.41
0	0	11X	1.25	2	2	.25	.00	3.40	24.50	1529.00	12.02	.00	2.38
0	0	6S	1.25	2	2	.25	.00	3.40	24.50	102.32	14.18	1912.84	2.24
0	0	12X	1.25	2	2	.25	.00	3.40	24.50	102.45	14.23	.00	2.24
0	0	12X	.70	2	2	.25	.00	3.40	24.50	995.13	11.94	.00	2.40
0	0	12X	1.95	2	2	.25	.00	3.40	24.50	1075.87	11.95	.00	2.30
0	0	14X	1.95	2	2	.25	.00	3.40	24.50	977.87	12.00	.00	2.29
0	0	14X	.21	2	2	.25	.00	3.40	24.50	323.50	11.90	.00	2.39
0	0	14X	2.16	2	2	.25	.00	3.40	24.50	1285.00	11.98	.00	2.30
0	0	15X	2.16	2	2	.25	.00	3.40	24.50	1115.62	12.08	.00	2.29
0	0	15X	.22	2	2	.25	.00	3.40	24.50	165.15	12.42	.00	2.37
0	0	15X	2.38	2	2	.25	.00	3.40	24.50	1228.81	12.10	.00	2.30
0	0	15X	2.38	2	2	.25	.00	3.40	24.50	1156.69	12.15	.00	2.30
0	0	16X	.05	2	2	.25	.00	3.40	24.50	78.19	11.90	.00	2.41
0	0	16X	2.43	2	2	.25	.00	3.40	24.50	1217.50	12.12	.00	2.30
0	0	32X	7.26	2	2	.25	.00	3.40	24.50	3520.00	12.03	.00	2.37
0	0	4S	7.26	2	2	.25	.00	3.40	24.50	1107.25	14.41	1717.72	2.36
0	0	33X	7.26	2	2	.25	.00	3.40	24.50	1112.01	14.45	.00	2.36
0	0	33X	.09	2	2	.25	.00	3.40	24.50	140.06	11.90	.00	2.43
0	0	33X	7.35	2	2	.25	.00	3.40	24.50	1114.99	14.41	.00	2.37
0	0	35X	7.35	2	2	.25	.00	3.40	24.50	1115.73	14.42	.00	2.36
0	0	35X	.10	2	2	.25	.00	3.40	24.50	153.44	11.91	.00	2.37
0	0	35X	7.45	2	2	.25	.00	3.40	24.50	1130.81	12.07	.00	2.37
0	0	94X	.07	2	2	.25	.00	3.40	24.50	104.44	11.93	.00	2.38
0	0	92X	.07	2	2	.25	.00	3.40	24.50	101.56	11.94	.00	2.38
0	0	92X	.22	2	2	.25	.00	3.40	24.50	332.69	11.91	.00	2.37
0	0	92X	.29	2	2	.25	.00	3.40	24.50	432.44	11.92	.00	2.36

FOUNTAIN HILLS

MARICOPA COUNTY, ARIZONA



McCULLOCH PROPERTIES, INC.

FILE NO. MPIF P-11771

TRICO INTERNATIONAL INC.
CIVIL ENGINEERING
SCOTTSDALE, ARIZONA

SHEET NO. 1

Proposed Tract Locations

SHEET 1 OF 1

DRAWN BY J.P.
SCALE 1"=1000'
DATE 11-5-71
APPROVED
CHECKED
F.B. REF.

NO.	DATE	BY	REVISIONS & REMARKS
1.	12-1-7	J.P.	Added Recorded Tracts 208, 201
2.	2-14-72	J.P.	Updated and Revised
3.			
4.			
5.			
6.			
7.			

FOUNTAIN HILLS

MARICOPA COUNTY, ARIZONA

GENERAL PLAN OF DEVELOPMENT

McDOWELL MOUNTAIN REGIONAL PARK

CITY OF SCOTTSDALE CORPORATE LIMITS

T4N
T3N

Access Road to Mcdowell Mountain Regional Park

SCALE 1" = 1000'

0 500 1000 2000 3000 4000

UNIT 1

ES
HS
JH
P
IP
18 HOLE GOLF COURSE
CLUB HOUSE
SHEA BOULEVARD

ORME DAM FLOOD CONTROL LEVEL 1513

50' R/W UTILITY CORRIDOR AND BUFFER STRIP TO REMAIN. UTILITY EASEMENT LIMITED TO 20' UNDERGROUND.

PRECISE ALIGNMENT OF THIS MAJOR COLLECTOR STREET TO REMAIN CLOSE AS POSSIBLE TO OWNERSHIP LINE AND STILL BE CONSISTENT WITH SOUND ENGINEERING GRADING TECHNIQUES. ANY LAND EAST OF FINAL ALIGNMENT IN SECTION 14 WILL REMAIN OPEN SPACE.

ORME DAM CONSERVATION REGULATORY LEVEL 1437

THIS C-1 COMMERCIAL AREA TO BE RESTRICTED TO MEDICAL AND PROFESSIONAL OFFICE BUILDINGS.

SEWARAGE TREATMENT PLANT TO BE RELOCATED UPSTREAM MINIMUM OF 3/4 MILE.

ROADWAYS STUBBED TO EAST PROPERTY LINE APPROX. EVERY 1/2 MILE WHERE TERRAIN PERMITS.

ORME DAM PERMANENT POOL LEVEL 1374

65' R/W PLANTER BUFFER STRIP IF SO DESIRED BY FT. McDOWELL INDIAN RESERVATION AFTER FINAL DESIGN ANALYSIS.

NO MOBILE HOME PARKS WITHIN ONE MILE OF EAST BOUNDARY LINE.

FORT McDOWELL INDIAN RESERVATION

ARIZONA STATE HIGHWAY 87

SHEA BLVD.

SALT RIVER PIMA · MARICOPA INDIAN RESERVATION

Jim Hart Memorial Monument

McDowell Pass

Fort McDowell

Camp Reno Historical Marker

Sycamore

LEGEND

SUBDIVIDER AND DEVELOPER
McCULLOCH PROPERTIES INC.
LOS ANGELES, CALIFORNIA

LAND PLANNER
TRICO INTERNATIONAL, INC.
SCOTTSDALE, ARIZONA.

LAND USE

- DENOTES McCULLOCH PROPERTIES INC. FEE & OPTION OWNERSHIP BNDY.
- DENOTES EXISTING PAVED ROADWAY
- DENOTES 110' R/W ARTERIAL
- DENOTES 84' R/W MAJOR COLLECTOR
- DENOTES 70' R/W SECONDARY COLLECTOR
- DENOTES DRAINAGE CHANNEL
- DENOTES C-1 ZONE
- DENOTES C-2 ZONE
- DENOTES IND.-1 & IND-2 ZONE
- DENOTES R-5 ZONE
- DENOTES R-4 ZONE
- DENOTES R-3 ZONE
- DENOTES R-2 ZONE
- DENOTES RI-8 ZONE
- DENOTES RI-10 ZONE
- DENOTES RI-35 ZONE
- DENOTES RI-190 ZONE

PUBLIC FACILITIES

- ES DENOTES ELEMENTARY SCHOOL SITE
- JH DENOTES JUNIOR HIGH SCHOOL SITE
- HS DENOTES HIGH SCHOOL SITE
- P DENOTES NEIGHBORHOOD PARKS
- DENOTES 18 HOLE GOLF COURSE
- IP DENOTES TREATMENT PLANT

APPROVED IN PRINCIPLE

McCULLOCH PROPERTIES INC.
DATE 4-8-70
DATE 4-9-70
DATE 4-1-70
PLANNER

McCULLOCH PROPERTIES, INC.

FILE NO. 70 MPI P-9-13

TRICO INTERNATIONAL INC.
CIVIL ENGINEERING
SCOTTSDALE, ARIZONA

SHEET NO.

DRAWN BY T. LEONARD
SCALE 1" = 1000'
DATE FEB. 16, 1970
APPROVED
CHECKED
F.B. REF.

GENERAL PLAN of DEVELOPMENT

SHEET OF

NO.	DATE	BY	REVISIONS & REMARKS
1	FEB. 16, 70		REVISED & SUPERSCEDES DWNG. No. 68 MPI P-9-10
2	4-6-70	LOB	ADDED SYMBOLS FOR ZONING
3.			
4.			
5.			
6.			
7.			

MAY 19 70
RECEIVED

```
IIIIIIII    DDDDDDDDDDD                    0000000        11        33333333333        44
IIIIIIII    DDDDDDDDDDDD                  000000000      111      3333333333333       444
   II       DD        DD                 00       00   1111      33         33      4444
   II       DD        DD   =============  00        00    11                33     44 44
   II       DD        DD   =============  00        00    11                33    44  44
   II       DD        DD                 00        00    11           3333      44   44
   II       DD        DD                 00        00    11           3333     44    44
   II       DD        DD   =============  00        00    11                33  4444444444444
   II       DD        DD   =============  00        00    11                33  4444444444444
   II       DD        DD                  00       00    11                33        44
IIIIIIII    DDDDDDDDDDDD                  000000000      11      3333333333333       44
IIIIIIII    DDDDDDDDDDD                    0000000       11        33333333333       44


PPPPPPPPPPPP     AAAAAAAAAAA    5555555555555     0000000     5555555555555     CCCCCCCCCCC
PPPPPPPPPPPPP   AAAAAAAAAAAAA   5555555555555    000000000    5555555555555    CCCCCCCCCCCCC
PP        PP    AA        AA    55              00       00    55              CC         CC
PP        PP    AA        AA    55             00        00    55              CC
PP        PP    AA        AA    55             00        00    55              CC
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PP              AA        AA              55   00        00              55    CC
PP              AA        AA    55        55    00       00    55        55    CC         CC
PP              AA        AA    5555555555555    000000000    5555555555555    CCCCCCCCCCCCC
PP              AA        AA     55555555555      0000000      55555555555      CCCCCCCCCCC
```

```
 16:35 JAN 17,'72 ID=0134-T41
!JOB PA505C,TRI,1,F
!ASSIGN F:1,(FILE,SUMRY),(OUTIN)
!ASSIGN F:2,(FILE,SK1),(OUTIN)
!RUN (LMN,$TR20)
```

HYDROLOGY PROGRAM FOR SIGMA 5 - DATED APRIL, 1970

GOOD MORNING GEORGE

\+ TR-20 ROUTING.

EXECUTIVE CONTROL CARD OPERATION LIST

GOOD MORNING GEORGE

C TABLE VELOCITY INCREMENT = .200

8	.0000	.0800	.1800	.2500	.3200
8	.3700	.4100	.4500	.4900	.5100
8	.5400	.5700	.5900	.6100	.6300
8	.6500	.6600	.6700	.6900	.7000
8	.7100	.7200	.7300	.7400	.7500
8	.7600	.7700	.7700	.7800	.7900
8	.7900	.8000	.8100	.8100	.8200
8	.8200	.8300	.8300	.8400	.8400
8	.8400	.8500	.8500	.8600	.8600
8	.8600	.8600	.8700	.8700	.8700
8	.8800	.8800	.8800	.8900	.8900
8	.8900	.8900	.8900	.8900	.9000
8	.9000	.9000	.9000	.9000	.9100
8	.9100	.9100	.9100	.9100	.9100
8	.9200	.9200	.9200	.9200	.9200
8	.9200	.9200	.9200	.9300	.9300
8	.9300	.9300	.9300	.9300	.9300

9 ENDTBL

STRUCTURE NO. 7

	ELEVATION	DISCHARGE	STORAGE
8	1888.0000	.0000	.0000
8	1892.0000	193.0000	1.0000
8	1896.0000	249.0000	2.0000
8	1900.0000	294.0000	6.0000
8	1904.0000	334.0000	10.0000
8	1908.0000	369.0000	17.0000
8	1912.0000	401.0000	26.0000
8	1916.0000	431.0000	39.0000
8	1920.0000	459.0000	58.0000
8	1924.0000	485.0000	85.0000
8	1930.0000	520.0000	145.0000

9 ENDTBL

DIMENSIONLESS HYDROGRAPH - DELTA T = .02

8	.0000	.0150	.0750	.1600	.2800
8	.4300	.6000	.7700	.8900	.9700
8	1.0000	.9800	.9200	.8400	.7500
8	.6600	.5650	.4900	.4200	.3650
8	.3200	.2790	.2400	.2100	.1800
8	.1550	.1300	.1130	.0980	.0860
8	.0750	.0650	.0560	.0470	.0410
8	.0350	.0300	.0260	.0220	.0190
8	.0170	.0150	.0130	.0110	.0090

```
 8                .0070       .0050       .0030       .0020       .0010
 8                .0000       .0000       .0000       .0000       .0000
 8                .0000       .0000       .0000       .0000       .0000
 9 ENDTBL

RAINFALL TABLE NO. 2     TIME INCREMENT =    .50

 8                .0000       .0050       .0110       .0160       .0220
 8                .0280       .0360       .0410       .0480       .0560
 8                .0630       .0710       .0800       .0890       .0980
 8                .1090       .1200       .1330       .1470       .1630
 8                .1810       .2040       .2350       .2830       .6630
 8                .7350       .7720       .7990       .8200       .8380
 8                .8540       .8680       .8800       .8910       .9020
 8                .9120       .9210       .9290       .9370       .9450
 8                .9520       .9590       .9650       .9720       .9780
 8                .9840       .9890       .9950      1.0000      1.0000
 9 ENDTBL
```

STANDARD CONTROL INSTRUCTIONS

SUBRTN	XSECTN	STRCT	HYDROGRAPHS IN1	IN2	OUT	DATA NO. 1	DATA NO. 2	DATA NO. 3	OUTPUT OPTIONS PK	H	E	V	PH	SM
RUNOFF	21	0	0	0	6	.320	90.000	.194	1	0	0	1	0	1
REACH	22	0	6	0	5	4000.000	.920	.000	1	0	0	1	0	1
RUNOFF	22	0	0	0	6	.200	90.000	.074	1	0	0	1	0	1
ADDHYD	22	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	26	7	0	5	1960.000	.000	.000	1	0	0	1	0	1
REACH	23	0	5	0	6	2500.000	.900	.000	1	0	0	1	0	1
RUNOFF	23	0	0	0	5	.080	90.000	.057	1	0	0	1	0	1
ADDHYD	23	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	23	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	51	0	0	0	6	.080	90.000	.139	1	0	0	1	0	1
REACH	52	0	6	0	5	1500.000	.930	.000	1	0	0	1	0	1
RUNOFF	52	0	0	0	6	.100	90.000	.074	1	0	0	1	0	1
ADDHYD	52	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	53	0	7	0	5	1500.000	.930	.000	1	0	0	1	0	1
RUNOFF	53	0	0	0	6	.150	90.000	.056	1	0	0	1	0	1
ADDHYD	53	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	54	0	7	0	5	3200.000	.920	.000	1	0	0	1	0	1
RUNOFF	54	0	0	0	6	.110	90.000	.047	1	0	0	1	0	1
ADDHYD	54	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	23	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	7	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	12	5	0	7	1880.000	.000	.000	1	0	0	1	0	1
REACH	25	0	7	0	6	2500.000	.900	.000	1	0	0	1	0	1
RUNOFF	25	0	0	0	5	.110	90.000	.065	1	0	0	1	0	1
ADDHYD	25	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	25	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	61	0	0	0	6	.240	90.000	.204	1	0	0	1	0	1
RESVOR	0	30	6	0	5	1950.000	.000	.000	1	0	0	1	0	1
REACH	62	0	5	0	6	3500.000	.890	.000	1	0	0	1	0	1
RUNOFF	62	0	0	0	5	.220	90.000	.102	1	0	0	1	0	1
ADDHYD	62	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	25	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	26	0	7	5	6	.000	.000	.000	1	0	0	1	0	1
SAVMOV	26	0	6	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	65	0	0	0	6	.280	90.000	.157	1	0	0	1	0	1
REACH	66	0	6	0	5	3000.000	.900	.000	1	0	0	1	0	1
RUNOFF	66	0	0	0	6	.080	90.000	.068	1	0	0	1	0	1
ADDHYD	66	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	26	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ASSHYD	8	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	11	5	0	7	1784.000	.000	.000	1	0	0	1	0	1
REACH	28	0	7	0	6	3500.000	.730	.000	1	0	0	1	0	1
RUNOFF	28	0	0	0	5	.330	90.000	.100	1	0	0	1	0	1
ADDHYD	28	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	28	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	72	0	0	0	6	.180	90.000	.139	1	0	0	1	0	1
REACH	73	0	6	0	5	2000.000	.920	.000	1	0	0	1	0	1
RUNOFF	73	0	0	0	6	.160	90.000	.064	1	0	0	1	0	1
ADDHYD	73	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RUNOFF	71	0	0	0	6	.160	90.000	.212	1	0	0	1	0	1
ADDHYD	74	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	37	5	0	6	1804.000	.000	.000	1	0	0	1	0	1

SAVMOV	28	0	1	0	5	.000	.000	.000	1	0	0	1	0	1
ADDHYD	29	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	30	0	7	0	5	2000.000	.750	.000	1	0	0	1	0	1
RUNOFF	30	0	0	0	6	.090	90.000	.047	1	0	0	1	0	1
ADDHYD	30	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	30	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	81	0	0	0	6	1.060	90.000	.100	1	1	0	1	0	1
RESVOR	0	14	6	0	5	2175.000	.000	.000	1	1	0	1	0	1
REACH	82	0	5	0	7	3500.000	.920	.000	1	1	0	1	0	1
RUNOFF	82	0	0	0	6	.420	90.000	.077	1	1	0	1	0	1
ADDHYD	82	0	7	6	5	.000	.000	.000	1	1	0	1	0	1
REACH	84	0	5	0	6	2000.000	.930	.000	1	1	0	1	0	1
RUNOFF	84	0	0	0	5	.140	90.000	.068	1	1	0	1	0	1
ADDHYD	84	0	6	5	7	.000	.000	.000	1	1	0	1	0	1
RESVOR	0	7	7	0	5	1888.000	.000	.000	1	1	0	1	0	1
REACH	85	0	5	0	6	7000.000	.930	.000	1	1	0	1	0	1
RUNOFF	85	0	0	0	5	.320	90.000	.180	1	1	0	1	0	1
ADDHYD	85	0	6	5	7	.000	.000	.000	1	1	0	1	0	1
SAVMOV	30	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	31	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMOV	31	0	5	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	11	0	0	0	6	1.250	90.000	.342	1	0	0	1	0	1
RESVOR	0	6	6	0	5	1896.000	.000	.000	1	0	0	1	0	1
REACH	12	0	5	0	7	2000.000	.910	.000	1	0	0	1	0	1
RUNOFF	12	0	0	0	6	.700	90.000	.200	1	0	0	1	0	1
ADDHYD	12	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
REACH	14	0	5	0	6	3000.000	.870	.000	1	0	0	1	0	1
RUNOFF	14	0	0	0	5	.210	90.000	.090	1	0	0	1	0	1
ADDHYD	14	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	15	0	7	0	5	4000.000	.850	.000	1	0	0	1	0	1
RUNOFF	15	0	0	0	6	.220	90.000	.941	1	0	0	1	0	1
ADDHYD	15	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
REACH	16	0	7	0	5	2000.000	.910	.000	1	0	0	1	0	1
RUNOFF	16	0	0	0	6	.050	90.000	.051	1	0	0	1	0	1
ADDHYD	16	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	31	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	32	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	4	5	0	7	1700.000	.000	.000	1	0	0	1	0	1
REACH	33	0	7	0	6	1200.000	.890	.000	1	0	0	1	0	1
RUNOFF	33	0	0	0	5	.090	90.000	.059	1	0	0	1	0	1
ADDHYD	33	0	6	5	7	.000	.000	.000	1	0	0	1	0	1
REACH	35	0	7	0	5	2500.000	.830	.000	1	0	0	1	0	1
RUNOFF	35	0	0	0	6	.100	90.000	.094	1	0	0	1	0	1
ADDHYD	35	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
SAVMOV	35	0	7	0	1	.000	.000	.000	1	0	0	1	0	1
RUNOFF	94	0	0	0	6	.071	90.000	.162	1	0	0	1	0	1
REACH	92	0	6	0	5	1200.000	.930	.000	1	0	0	1	0	1
RUNOFF	92	0	0	0	6	.220	90.000	.122	1	0	0	1	0	1
ADDHYD	92	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RUNOFF	91	0	0	0	6	.340	90.000	.187	1	0	0	1	0	1
ADDHYD	93	0	7	6	5	.000	.000	.000	1	0	0	1	0	1
SAVMOV	35	0	1	0	6	.000	.000	.000	1	0	0	1	0	1
ADDHYD	36	0	5	6	7	.000	.000	.000	1	0	0	1	0	1
RESVOR	0	25	7	0	6	1648.000	.000	.000	1	0	0	1	0	1
REACH	37	0	6	0	7	1300.000	.870	.000	1	0	0	1	0	1
RUNOFF	37	0	0	0	6	.070	90.000	.037	1	0	0	1	0	1

ADDHUD	37	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
REACH	39	0	5	0	7	2200.000	.860	.000	1	0	0	1	0	1	1
RUNOFF	39	0	0	0	6	.110	90.000	.048	1	0	0	1	0	1	1
ADDHYD	39	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
SAVMOV	39	0	5	0	1	.000	.000	.000	1	0	0	1	0	1	1
RUNOFF	17	0	0	0	6	.060	90.000	.156	1	0	0	1	0	1	1
REACH	18	0	6	0	5	2500.000	.870	.000	1	0	0	1	0	1	1
RUNOFF	18	0	0	0	7	.510	90.000	.250	1	0	0	1	0	1	1
ADDHYD	18	0	5	7	6	.000	.000	.000	1	0	0	1	0	1	1
REACH	20	0	6	0	5	1600.000	.890	.000	1	0	0	1	0	1	1
RUNOFF	20	0	0	0	7	.070	90.000	.041	1	0	0	1	0	1	1
ADDHYD	20	0	5	7	6	.000	.000	.000	1	0	0	1	0	1	1
SAVMOV	39	0	1	0	5	.000	.000	.000	1	0	0	1	0	1	1
ADDHYD	40	0	6	5	7	.000	.000	.000	1	0	0	1	0	1	1
SAVMOV	40	0	7	0	1	.000	.000	.000	1	0	0	1	0	1	1
RUNOFF	1	0	0	0	6	3.000	90.000	.565	1	0	0	1	0	1	1
RESVOR	0	36	6	0	5	1870.000	.000	.000	1	0	0	1	0	1	1
REACH	2	0	5	0	7	1500.000	.830	.000	1	0	0	1	0	1	1
RUNOFF	2	0	0	0	6	.100	90.000	.028	1	0	0	1	0	1	1
ADDHUF	2	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
REACH	3	0	5	0	7	3000.000	.890	.000	1	0	0	1	0	1	1
RUNOFF	3	0	0	0	6	.160	90.000	.095	1	0	0	1	0	1	1
ADDHYD	3	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
REACH	4	0	5	0	7	1300.000	.770	.000	1	0	0	1	0	1	1
RUNOFF	4	0	0	0	6	.130	90.000	.129	1	0	0	1	0	1	1
ADDHYD	4	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
REACH	5	0	5	0	6	4500.000	.880	.000	1	0	0	1	0	1	1
RUNOFF	5	0	0	0	5	.240	90.000	.048	1	0	0	1	0	1	1
ADDHYD	5	0	6	5	7	.000	.000	.000	1	0	0	1	0	1	1
REACH	6	0	7	0	5	2000.000	.870	.000	1	0	0	1	0	1	1
RUNOFF	6	0	0	0	6	.150	90.000	.097	1	0	0	1	0	1	1
ADDHYD	6	0	5	6	7	.000	.000	.000	1	0	0	1	0	1	1
REACH	41	0	7	0	5	2600.000	.870	.000	1	0	0	1	0	1	1
RUNOFF	41	0	0	0	6	.230	90.000	.140	1	0	0	1	0	1	1
ADDHYD	41	0	5	6	7	.000	.000	.000	1	0	0	1	0	1	1
SAVMOV	40	0	1	0	6	.000	.000	.000	1	0	0	1	0	1	1
ADDHYD	141	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
RESVOR	0	1	5	0	6	1562.000	.000	.000	1	0	0	1	0	1	1
REACH	43	0	6	0	7	2200.000	.860	.000	1	0	0	1	0	1	1
RUNOFF	43	0	0	0	6	.190	90.000	.066	1	0	0	1	0	1	1
ADDHYD	43	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
REACH	143	0	5	0	7	500.000	.860	.000	1	0	0	1	0	1	1
RUNOFF	143	0	0	0	6	.030	90.000	.026	1	0	0	1	0	1	1
ADDHYD	143	0	7	6	5	.000	.000	.000	1	0	0	1	0	1	1
ENDATA															

END OF LISTING

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EXECUTIVE CONTROL CARD              OPERATION  INCREM
+                                                ,     MAIN TIME INCREMENT=    .25
EXECUTIVE CONTROL CARD              OPERATION  COMPUT
+                                                ,     FROM XSECTN/STRUCT  21/  0      TO XSECTN/STRUCT 143/  0
        STARTING TIME=    .00      RAIN DEPTH=  4.50      RAIN DURATION=  1.00      RAIN TABLE NO.= 2      SOIL CONDITION= 2
        ALTERNATE NO.= 0           STORM NO.= 0
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SUBROUTINE RUNOFF CROSS SECTION 81

TIME			HYDROGRAPH, TZERO= 4.50				DELTA T= .25		DRAINAGE AREA= 1.06		
4.50	DISCHG	2.06	2.99	4.08	5.96	7.27	9.68	11.19	12.61	13.97	15.27
7.00	DISCHG	16.51	21.80	23.49	25.07	26.57	33.24	35.15	39.82	41.75	49.92
9.50	DISCHG	52.17	61.12	63.57	84.47	88.02	123.31	128.48	207.57	221.33	1956.79
12.00	DISCHG	2135.87	426.47	415.20	216.07	215.10	157.75	157.50	123.03	122.92	105.62
14.50	DISCHG	105.56	94.05	94.04	82.44	82.38	70.78	70.73	64.86	64.85	64.89
17.00	DISCHG	64.92	59.09	59.06	53.24	53.21	47.37	47.34	47.36	47.37	47.39
19.50	DISCHG	47.39	41.53	41.50	41.52	41.51	35.66	35.63	41.52	41.57	35.69
22.00	DISCHG	35.65	35.65	35.67	29.77	29.75	35.64	35.70	29.80	29.67	.23
24.50	DISCHG	.00									

SUBROUTINE RESVOR STRUCTURE 14

TIME			HYDROGRAPH, TZERO= 4.50				DELTA T= .25		DRAINAGE AREA= 1.06		
4.50	DISCHG	2.06	2.99	4.08	5.96	7.27	9.68	11.19	12.61	13.97	15.27
7.00	DISCHG	16.51	21.80	23.49	25.07	26.57	33.24	35.15	39.82	41.75	49.92
9.50	DISCHG	52.17	61.12	63.57	84.47	88.02	123.31	128.48	207.57	221.33	1956.79
12.00	DISCHG	2135.87	426.47	415.20	216.07	215.10	157.75	157.50	123.03	122.92	105.62
14.50	DISCHG	105.56	94.05	94.04	82.44	82.38	70.78	70.73	64.86	64.85	64.89
17.00	DISCHG	64.92	59.09	59.06	53.24	53.21	47.37	47.34	47.36	47.37	47.39
19.50	DISCHG	47.39	41.53	41.50	41.52	41.51	35.66	35.63	41.52	41.57	35.69
22.00	DISCHG	35.65	35.65	35.67	29.77	29.75	35.64	35.70	29.80	29.67	.23
24.50	DISCHG	.00									

SUBROUTINE REACH CROSS SECTION 82

TIME			HYDROGRAPH, TZERO= 4.50				DELTA T= .25		DRAINAGE AREA= 1.06		
4.50	DISCHG	1.53	2.75	3.80	5.48	6.93	9.07	10.80	12.25	13.62	14.94
7.00	DISCHG	16.19	20.44	23.06	24.67	26.19	31.54	34.67	38.62	41.26	47.83
9.50	DISCHG	51.60	58.83	62.95	79.13	87.11	114.29	127.16	187.36	217.81	1513.21
12.00	DISCHG	2090.07	863.37	418.10	266.96	215.35	172.41	157.56	131.84	122.95	110.04
14.50	DISCHG	105.58	96.99	94.04	85.41	82.40	73.75	70.75	66.36	64.86	64.88
17.00	DISCHG	64.91	60.58	59.07	54.73	53.22	48.86	47.34	47.35	47.37	47.38
19.50	DISCHG	47.39	43.03	41.51	41.51	41.51	37.15	35.64	40.01	41.55	37.19
22.00	DISCHG	35.66	35.65	35.66	31.28	29.75	34.14	35.69	31.31	29.71	7.76
24.50	DISCHG	.06	.00								

SUBROUTINE RUNOFF CROSS SECTION 82

TIME			HYDROGRAPH, TZERO= 4.75				DELTA T= .25		DRAINAGE AREA= .42		
4.75	DISCHG	1.22	1.65	2.40	2.92	3.89	4.48	5.04	5.58	6.09	6.58
7.25	DISCHG	8.70	9.36	9.98	10.58	13.24	13.98	15.85	16.61	19.87	20.74

9.75	DISCHG	24.31	25.26	33.63	34.96	49.11	51.13	82.75	87.20	787.94	848.88
12.25	DISCHG	163.76	164.59	85.01	85.19	62.34	62.45	48.64	48.69	41.80	41.83
14.75	DISCHG	37.23	37.26	32.63	32.65	28.01	28.02	25.68	25.69	25.70	25.72
17.25	DISCHG	23.39	23.40	21.07	21.07	18.74	18.75	18.76	18.76	18.77	18.77
19.75	DISCHG	16.44	16.44	16.45	16.45	14.11	14.11	16.46	16.46	14.12	14.12
22.25	DISCHG	14.12	14.12	11.78	11.78	14.13	14.14	11.79	11.76	.00	

SUBROUTINE ADDHYD CROSS SECTION 82

HYDROGRAPH, TZERO= 4.50 DELTA T= .25 DRAINAGE AREA= 1.48

TIME											
4.50	DISCHG	1.53	3.97	5.45	7.88	9.85	12.95	15.28	17.29	19.20	21.03
7.00	DISCHG	22.77	29.14	32.42	34.65	36.77	44.78	48.65	54.47	57.86	67.70
9.50	DISCHG	72.33	83.14	88.21	112.75	122.08	163.40	178.29	270.11	305.01	2301.15
12.00	DISCHG	2938.96	1027.13	582.69	351.97	300.54	234.75	220.01	180.48	171.64	151.83
14.50	DISCHG	147.41	134.22	131.30	118.04	115.04	101.75	98.77	92.04	90.54	90.58
17.00	DISCHG	90.63	83.97	82.47	75.80	74.29	67.60	66.09	66.11	66.13	66.16
19.50	DISCHG	66.17	59.46	57.95	57.96	57.96	51.26	49.75	56.47	58.01	51.31
22.00	DISCHG	49.78	49.77	49.78	43.06	41.54	48.27	49.83	43.09	41.47	7.76
24.50	DISCHG	.06	.00								

SUBROUTINE REACH CROSS SECTION 84

HYDROGRAPH, TZERO= 4.50 DELTA T= .25 DRAINAGE AREA= 1.48

TIME											
4.50	DISCHG	1.33	3.65	5.25	7.56	9.59	12.54	14.97	17.02	18.95	20.78
7.00	DISCHG	22.54	28.30	31.98	34.36	36.49	43.72	48.14	53.70	57.41	66.39
9.50	DISCHG	71.72	81.71	87.54	109.50	120.84	157.92	176.32	257.95	300.38	2036.70
12.00	DISCHG	2854.46	1280.41	641.57	382.54	307.35	243.46	221.96	185.72	172.81	154.46
14.50	DISCHG	147.99	135.97	131.69	119.79	115.44	103.51	99.16	92.93	90.74	90.58
17.00	DISCHG	90.62	84.85	82.66	76.68	74.49	68.49	66.29	66.11	66.13	66.15
19.50	DISCHG	66.16	60.35	58.15	57.96	57.96	52.15	49.95	55.58	57.81	52.20
22.00	DISCHG	49.98	49.77	49.78	43.95	41.74	47.38	49.62	43.98	41.68	12.22
24.50	DISCHG	1.08	.01	.00							

SUBROUTINE RUNOFF CROSS SECTION 84

HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= .14

TIME											
5.75	DISCHG	1.30	1.50	1.69	1.86	2.03	2.20	2.91	3.13	3.33	3.53
8.25	DISCHG	4.42	4.67	5.29	5.54	6.63	6.92	8.11	8.43	11.22	11.66
10.75	DISCHG	16.39	17.06	27.62	29.32	263.64	283.05	54.60	54.88	28.34	28.41
13.25	DISCHG	20.78	20.82	16.22	16.23	13.93	13.94	12.41	12.42	10.88	10.88
15.75	DISCHG	9.34	9.34	8.57	8.57	8.57	8.58	7.80	7.81	7.03	7.03
18.25	DISCHG	6.25	6.26	6.26	6.26	6.26	6.26	5.48	5.49	5.49	5.49
20.75	DISCHG	4.71	4.71	5.49	5.49	4.71	4.71	4.71	4.71	3.93	3.93
23.25	DISCHG	4.72	4.72	3.93	3.92	.00					

SUBROUTINE ADDHYD CROSS SECTION 84

HYDROGRAPH, TZERO= 4.50 DELTA T= .25 DRAINAGE AREA= 1.62

TIME											
4.50	DISCHG	1.33	3.65	5.25	7.56	9.59	13.84	16.47	18.71	20.81	22.82
7.00	DISCHG	24.74	31.21	35.11	37.69	40.02	48.14	52.80	58.99	62.96	73.02
9.50	DISCHG	78.64	89.82	95.97	120.72	132.51	174.31	193.37	285.57	329.71	2300.35
12.00	DISCHG	3137.51	1335.01	696.45	410.88	335.76	264.24	242.78	201.93	189.05	168.39

14.50	DISCHG	161.94	148.38	144.10	130.67	126.32	112.85	108.50	101.50	99.31	99.15
17.00	DISCHG	99.20	92.66	90.47	83.71	81.52	74.74	72.55	72.37	72.39	72.42
19.50	DISCHG	72.43	65.83	63.63	63.45	63.45	56.85	54.66	61.07	63.30	56.91
22.00	DISCHG	54.70	54.49	54.49	47.88	45.67	52.09	54.34	47.92	45.60	12.22
24.50	DISCHG	1.08	.01	.00							

SUBROUTINE RESVOR STRUCTURE 7

HYDROGRAPH, TZERO= 4.50 DELTA T= .25 DRAINAGE AREA= 1.62

TIME											
4.50	DISCHG	.00	3.32	4.83	6.93	9.12	12.58	16.01	18.11	20.31	22.32
7.00	DISCHG	24.26	29.20	34.47	37.04	39.45	45.62	52.09	57.16	62.24	69.90
9.50	DISCHG	77.80	86.37	95.06	112.76	131.22	160.78	191.50	227.34	259.57	391.69
12.00	DISCHG	471.18	497.74	503.94	504.54	502.97	500.54	497.58	494.28	490.70	486.96
14.50	DISCHG	481.89	475.45	468.97	462.43	454.21	444.18	434.17	420.60	405.69	386.42
17.00	DISCHG	364.93	338.50	296.34	253.03	93.55	73.01	73.86	71.99	72.50	72.37
19.50	DISCHG	72.44	68.03	63.64	63.51	63.43	59.06	54.66	58.93	63.27	59.05
22.00	DISCHG	54.72	54.55	54.47	50.09	45.67	49.95	54.30	50.07	45.66	23.35
24.50	DISCHG	1.11	.36	-.11	.04	-.01	.00	-.00	.00	-.00	.00
27.00	DISCHG	.00									

SUBROUTINE REACH CROSS SECTION 85

HYDROGRAPH, TZERO= 4.50 DELTA T= .25 DRAINAGE AREA= 1.62

TIME											
4.50	DISCHG	.00	1.77	4.12	5.95	8.10	10.97	14.41	17.13	19.28	21.38
7.00	DISCHG	23.35	26.90	32.01	35.84	38.33	42.74	49.07	54.79	59.87	66.33
9.50	DISCHG	74.11	82.37	91.00	104.51	122.60	146.99	177.16	210.61	244.51	330.15
12.00	DISCHG	433.98	485.26	501.02	504.25	503.70	501.67	498.96	495.82	492.37	488.71
14.50	DISCHG	484.25	478.45	471.99	465.48	458.05	448.86	438.84	426.93	412.65	395.41
17.00	DISCHG	374.96	350.83	316.00	273.25	167.84	82.81	73.50	72.86	72.27	72.43
19.50	DISCHG	72.41	70.08	65.69	63.57	63.46	61.09	56.71	56.95	61.24	61.01
22.00	DISCHG	56.74	54.64	54.51	52.13	47.73	47.96	52.27	52.03	47.72	33.74
24.50	DISCHG	11.49	.74	.11	-.03	.01	-.00	.00	-.00	.00	.00

SUBROUTINE RUNOFF CROSS SECTION 85

HYDROGRAPH, TZERO= 5.00 DELTA T= .25 DRAINAGE AREA= .32

TIME											
5.00	DISCHG	1.14	1.67	2.09	2.77	3.26	3.69	4.11	4.51	4.89	6.32
7.50	DISCHG	6.96	7.44	7.91	9.71	10.46	11.76	12.45	14.68	15.57	18.02
10.00	DISCHG	19.01	24.61	26.29	35.75	38.42	59.44	65.54	516.68	632.06	187.85
12.50	DISCHG	126.63	72.12	65.01	49.60	47.57	38.33	37.11	32.48	31.88	28.79
15.00	DISCHG	28.39	25.29	24.88	21.77	21.35	19.79	19.59	19.59	19.60	18.05
17.50	DISCHG	17.84	16.28	16.07	14.51	14.30	14.30	14.31	14.31	14.31	12.75
20.00	DISCHG	12.54	12.54	12.54	10.97	10.76	12.33	12.55	10.98	10.77	10.77
22.50	DISCHG	10.77	9.19	8.99	10.56	10.77	9.21	8.98	1.10	.02	.00

SUBROUTINE ADDHYD CROSS SECTION 85

HYDROGRAPH, TZERO= 4.50 DELTA T= .25 DRAINAGE AREA= 1.94

TIME											
4.50	DISCHG	.00	1.77	5.26	7.62	10.19	13.73	17.66	20.82	23.39	25.88
7.00	DISCHG	28.24	33.22	38.97	43.28	46.23	52.46	59.52	66.55	72.32	81.00
9.50	DISCHG	89.68	100.39	110.01	129.12	148.89	182.74	215.58	270.05	310.05	846.83
12.00	DISCHG	1066.04	673.10	627.65	576.38	568.71	551.27	546.53	534.15	529.48	521.19

14.50	DISCHG	516.13	507.24	500.38	490.77	482.93	470.63	460.20	446.72	432.23	415.00
17.00	DISCHG	394.56	368.88	333.84	289.53	183.91	97.32	87.80	87.16	86.57	86.74
19.50	DISCHG	86.72	82.83	78.23	76.11	76.00	72.06	67.48	69.28	73.79	71.99
22.00	DISCHG	67.52	65.40	65.27	61.33	56.72	58.52	63.04	61.24	56.70	34.84
24.50	DISCHG	11.52	.74	.11	-.03	.01	-.00	.00	-.00	.00	.00

ENDCMP 1
EXECUTIVE CONTROL CARD OPERATION COMPUT
+ , FROM XSECTN/STRUCT 21/ 0 TO XSECTN/STRUCT 143/ 0
STARTING TIME= .00 RAIN DEPTH= 4.10 RAIN DURATION= 1.00 RAIN TABLE NO.= 2 SOIL CONDITION= 2
ALTERNATE NO.= 0 STORM NO.= 0

SUBROUTINE RUNOFF CROSS SECTION 81

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.06

4.75	DISCHG	1.18	2.14	3.60	4.76	6.70	8.05	9.33	10.55	11.72	12.84
7.25	DISCHG	17.18	18.72	20.16	21.54	27.15	28.91	32.95	34.75	41.77	43.88
9.75	DISCHG	51.64	53.96	72.02	75.37	106.08	111.02	180.28	193.17	1736.11	1915.18
12.25	DISCHG	383.49	373.72	194.60	193.81	142.18	141.99	110.94	110.86	95.28	95.25
14.75	DISCHG	84.86	84.87	74.41	74.37	63.90	63.86	58.56	58.56	58.60	58.63
17.25	DISCHG	53.38	53.35	48.10	48.07	42.79	42.77	42.79	42.81	42.82	42.83
19.75	DISCHG	37.54	37.51	37.52	37.53	32.22	32.21	37.53	37.58	32.26	32.23
22.25	DISCHG	32.24	32.24	26.92	26.90	32.23	32.28	26.95	26.84	.21	.00

SUBROUTINE RESVOR STRUCTURE 14

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.06

4.75	DISCHG	1.18	2.14	3.60	4.76	6.70	8.05	9.33	10.55	11.72	12.84
7.25	DISCHG	17.18	18.72	20.16	21.54	27.15	28.91	32.95	34.75	41.77	43.88
9.75	DISCHG	51.64	53.96	72.02	75.37	106.08	111.02	180.28	193.17	1736.11	1915.18
12.25	DISCHG	383.49	373.72	194.60	193.81	142.18	141.99	110.94	110.86	95.28	95.25
14.75	DISCHG	84.86	84.87	74.41	74.37	63.90	63.86	58.56	58.56	58.60	58.63
17.25	DISCHG	53.38	53.35	48.10	48.07	42.79	42.77	42.79	42.81	42.82	42.83
19.75	DISCHG	37.54	37.51	37.52	37.53	32.22	32.21	37.53	37.58	32.26	32.23
22.25	DISCHG	32.24	32.24	26.92	26.90	32.23	32.28	26.95	26.84	.21	.00

SUBROUTINE REACH CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.06

4.75	DISCHG	.88	1.90	3.23	4.47	6.21	7.70	9.00	10.24	11.42	12.56
7.25	DISCHG	16.07	18.33	19.80	21.19	25.72	28.46	31.92	34.29	39.98	43.34
9.75	DISCHG	49.66	53.37	67.40	74.52	98.23	109.76	162.58	189.87	1341.74	1869.39
12.25	DISCHG	774.97	376.24	240.38	194.01	155.37	142.04	118.88	110.88	99.26	95.25
14.75	DISCHG	87.52	84.87	77.08	74.38	66.57	63.87	59.92	58.56	58.59	58.62
17.25	DISCHG	54.72	53.36	49.44	48.08	44.14	42.78	42.78	42.80	42.82	42.83
19.75	DISCHG	38.89	37.52	37.52	37.53	33.58	32.21	36.17	37.56	33.62	32.24
22.25	DISCHG	32.24	32.24	28.28	26.91	30.87	32.27	28.31	26.87	7.01	.05
24.75	DISCHG	.00									

SUBROUTINE RUNOFF CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= .42

5.25	DISCHG	1.46	1.92	2.70	3.23	3.73	4.22	4.68	5.12	6.86	7.46
7.75	DISCHG	8.03	8.58	10.82	11.50	13.12	13.83	16.63	17.45	20.55	21.45
10.25	DISCHG	28.68	29.95	42.27	44.20	71.91	76.13	699.88	761.60	147.27	148.16
12.75	DISCHG	76.56	76.76	56.18	56.30	43.86	43.92	37.71	37.74	33.59	33.62
15.25	DISCHG	29.45	29.47	25.29	25.30	23.18	23.20	23.21	23.23	21.13	21.13
17.75	DISCHG	19.03	19.04	16.93	16.94	16.95	16.96	16.96	16.97	14.86	14.86
20.25	DISCHG	14.86	14.86	12.75	12.75	14.88	14.88	12.76	12.77	12.77	12.77
22.75	DISCHG	10.65	10.65	12.78	12.78	10.66	10.63	.00			

SUBROUTINE ADDHYD CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.48

4.75	DISCHG	.88	1.90	4.69	6.39	8.91	10.93	12.73	14.46	16.10	17.68
7.25	DISCHG	22.93	25.79	27.83	29.77	36.54	39.97	45.04	48.12	56.61	60.79
9.75	DISCHG	70.21	74.81	96.08	104.47	140.50	153.96	234.49	266.00	2041.63	2630.99
12.25	DISCHG	922.25	524.40	316.94	270.77	211.56	198.34	162.74	154.80	136.97	132.99
14.75	DISCHG	121.11	118.49	106.53	103.85	91.86	89.17	83.10	81.76	81.80	81.85
17.25	DISCHG	75.85	74.49	68.47	67.12	61.08	59.72	59.73	59.76	59.78	59.80
19.75	DISCHG	53.75	52.38	52.38	52.39	46.33	44.97	51.05	52.45	46.39	45.01
22.25	DISCHG	45.01	45.01	38.93	37.56	43.65	45.05	38.97	37.50	7.01	.05
24.75	DISCHG	.00									

SUBROUTINE REACH CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.48

4.75	DISCHG	.76	1.76	4.32	6.16	8.57	10.66	12.50	14.23	15.89	17.47
7.25	DISCHG	22.24	25.41	27.56	29.51	35.64	39.51	44.37	47.71	55.48	60.23
9.75	DISCHG	68.96	74.20	93.26	103.36	135.73	152.17	223.82	261.83	1806.39	2552.91
12.25	DISCHG	1148.62	577.10	344.43	276.89	219.40	200.09	167.46	155.85	139.33	133.52
14.75	DISCHG	122.68	118.84	108.12	104.21	93.45	89.53	83.91	81.94	81.80	81.84
17.25	DISCHG	76.64	74.67	69.27	67.30	61.88	59.90	59.73	59.75	59.78	59.79
19.75	DISCHG	54.55	52.56	52.38	52.39	47.13	45.15	50.24	52.26	47.19	45.19
22.25	DISCHG	45.01	45.01	39.74	37.74	42.85	44.87	39.77	37.69	11.05	.98
24.75	DISCHG	.01	.00								

SUBROUTINE RUNOFF CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 6.00 DELTA T= .25 DRAINAGE AREA= .14

6.00	DISCHG	1.08	1.25	1.41	1.56	1.71	2.29	2.49	2.68	2.87	3.62
8.50	DISCHG	3.84	4.38	4.62	5.55	5.82	6.86	7.16	9.57	9.99	14.11
11.00	DISCHG	14.74	24.01	25.61	234.29	254.00	49.10	49.41	25.52	25.59	18.73
13.50	DISCHG	18.77	14.62	14.64	12.57	12.58	11.20	11.21	9.82	9.82	8.43
16.00	DISCHG	8.43	7.73	7.74	7.74	7.75	7.05	7.05	6.35	6.35	5.65
18.50	DISCHG	5.65	5.65	5.66	5.66	5.66	4.96	4.96	4.96	4.96	4.25
21.00	DISCHG	4.26	4.97	4.96	4.26	4.26	4.26	4.26	3.55	3.55	4.27
23.50	DISCHG	4.27	3.56	3.55	.00						

SUBROUTINE ADDHYD CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.62

4.75	DISCHG	.76	1.76	4.32	6.16	8.57	11.75	13.75	15.64	17.45	19.18
7.25	DISCHG	24.53	27.90	30.24	32.37	39.26	43.36	48.75	52.33	61.04	66.05

9.75	DISCHG	75.82	81.36	102.84	113.35	149.83	166.92	247.82	287.43	2040.68	2806.91
12.25	DISCHG	1197.72	626.51	369.95	302.48	238.13	218.86	182.08	170.49	151.90	146.10
14.75	DISCHG	133.88	130.04	117.94	114.03	101.88	97.96	91.64	89.68	89.54	89.59
17.25	DISCHG	83.69	81.72	75.62	73.65	67.53	65.55	65.38	65.41	65.44	65.45
19.75	DISCHG	59.51	57.52	57.34	57.35	51.39	49.40	55.21	57.23	51.45	49.45
22.25	DISCHG	49.27	49.27	43.29	41.30	47.11	49.13	43.33	41.24	11.05	.98
24.75	DISCHG	.01	.00								

SUBROUTINE RESVOR STRUCTURE 7

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.62

4.75	DISCHG	.00	1.68	3.49	5.82	7.88	10.92	13.35	15.14	17.01	18.75
7.25	DISCHG	22.89	27.32	29.65	31.86	37.13	42.69	47.17	51.66	58.35	65.27
9.75	DISCHG	72.82	80.51	95.95	112.12	138.05	165.12	208.63	249.82	378.36	461.92
12.25	DISCHG	489.42	494.48	494.53	492.63	489.97	486.83	482.37	476.34	470.14	463.81
14.75	DISCHG	456.61	446.87	437.19	425.65	410.86	393.97	372.77	346.51	309.74	265.66
17.25	DISCHG	162.87	56.10	86.17	70.81	70.52	65.22	65.55	65.35	65.45	65.45
19.75	DISCHG	61.50	57.52	57.40	57.33	53.38	49.40	53.27	57.20	53.39	49.47
22.25	DISCHG	49.32	49.26	45.29	41.30	45.17	49.10	45.28	41.29	21.12	1.00
24.75	DISCHG	.32	-.10	.03	-.01	.00	-.00	.00	-.00	.00	

SUBROUTINE REACH CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.62

4.75	DISCHG	.00	.90	2.65	4.74	6.92	9.50	12.21	14.30	16.14	17.94
7.25	DISCHG	20.96	25.25	28.56	30.83	34.67	40.10	45.08	49.56	55.23	62.04
9.75	DISCHG	69.30	76.92	88.75	104.57	125.96	152.48	188.34	230.58	318.47	422.84
12.25	DISCHG	476.49	492.08	494.50	493.51	491.21	488.30	484.45	479.16	473.03	466.76
14.75	DISCHG	459.97	451.42	441.71	431.04	417.76	401.85	382.66	358.76	326.89	286.23
17.25	DISCHG	210.77	105.94	72.33	77.91	70.67	67.68	65.40	65.44	65.40	65.45
19.75	DISCHG	63.33	59.38	57.46	57.36	55.22	51.26	51.48	55.36	55.16	51.30
22.25	DISCHG	49.40	49.29	47.14	43.16	43.37	47.26	47.05	43.15	30.51	10.39
24.75	DISCHG	.67	.10	-.03	.01	-.00	.00	-.00	.00	-.00	.00

SUBROUTINE RUNOFF CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 5.50 DELTA T= .25 DRAINAGE AREA= .32

5.50	DISCHG	1.34	1.89	2.32	2.71	3.09	3.44	3.79	4.96	5.53	5.97
8.00	DISCHG	6.39	7.92	8.59	9.72	10.35	12.27	13.08	15.21	16.11	20.96
10.50	DISCHG	22.49	30.72	33.16	51.56	57.13	456.87	565.45	168.72	113.95	64.95
13.00	DISCHG	58.57	44.70	42.88	34.56	33.47	29.30	28.76	25.98	25.62	22.82
15.50	DISCHG	22.46	19.65	19.28	17.87	17.69	17.69	17.70	16.30	16.12	14.71
18.00	DISCHG	14.52	13.11	12.92	12.92	12.93	12.93	12.93	11.52	11.33	11.33
20.50	DISCHG	11.33	9.92	9.73	11.15	11.34	9.93	9.74	9.74	9.73	8.31
23.00	DISCHG	8.13	9.55	9.74	8.32	8.12	.99	.02	.00		

SUBROUTINE ADDHYD CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 4.75 DELTA T= .25 DRAINAGE AREA= 1.94

4.75	DISCHG	.00	.90	2.65	6.08	8.81	11.82	14.93	17.39	19.58	21.73
7.25	DISCHG	25.92	30.78	34.53	37.22	42.59	48.68	54.80	59.91	67.49	75.11
9.75	DISCHG	84.50	93.03	109.71	127.06	156.68	185.65	239.90	287.71	775.34	988.29

12.25	DISCHG	645.21	606.04	559.45	552.08	535.91	531.18	519.02	512.62	502.33	495.52
14.75	DISCHG	485.95	477.04	464.53	453.49	437.41	421.13	400.53	376.45	344.59	303.93
17.25	DISCHG	227.08	122.06	87.04	92.43	83.78	80.60	78.32	78.37	78.33	78.38
19.75	DISCHG	74.85	70.71	68.79	68.69	65.14	60.99	62.62	66.71	65.08	61.04
22.25	DISCHG	59.13	59.02	55.45	51.29	52.92	57.00	55.37	51.27	31.51	10.42
24.75	DISCHG	.67	.10	-.03	.01	-.00	.00	-.00	.00	-.00	.00

ENDCMP 1
EXECUTIVE CONTROL CARD OPERATION COMPUT
+ , FROM XSECTN/STRUCT 21/ 0 TO XSECTN/STRUCT 143/ 0
STARTING TIME= .00 RAIN DEPTH= 3.80 RAIN DURATION= 1.00 RAIN TABLE NO.= 2 SOIL CONDITION= 2
ALTERNATE NO.= 0 STORM NO.= 0

SUBROUTINE RUNOFF CROSS SECTION 81

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.06

5.25	DISCHG	1.99	3.04	4.64	5.86	7.03	8.15	9.22	10.25	13.90	15.32
7.75	DISCHG	16.66	17.93	22.77	24.41	27.99	29.68	35.85	37.83	44.73	46.92
10.25	DISCHG	62.88	66.07	93.38	98.12	160.05	172.24	1570.73	1749.23	351.16	342.52
12.75	DISCHG	178.44	177.78	130.46	130.32	101.84	101.79	87.49	87.48	77.95	77.97
15.25	DISCHG	68.36	68.33	58.72	58.69	53.83	53.83	53.87	53.90	49.07	49.06
17.75	DISCHG	44.23	44.20	39.36	39.33	39.35	39.37	39.39	39.40	34.53	34.51
20.25	DISCHG	34.52	34.53	29.65	29.64	34.53	34.58	29.69	29.66	29.67	29.68
22.75	DISCHG	24.78	24.76	29.67	29.71	24.80	24.71	.19	.00		

SUBROUTINE RESVOR STRUCTURE 14

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.06

5.25	DISCHG	1.99	3.04	4.64	5.86	7.03	8.15	9.22	10.25	13.90	15.32
7.75	DISCHG	16.66	17.93	22.77	24.41	27.99	29.68	35.85	37.83	44.73	46.92
10.25	DISCHG	62.88	66.07	93.38	98.12	160.05	172.24	1570.73	1749.23	351.16	342.52
12.75	DISCHG	178.44	177.78	130.46	130.32	101.84	101.79	87.49	87.48	77.95	77.97
15.25	DISCHG	68.36	68.33	58.72	58.69	53.83	53.83	53.87	53.90	49.07	49.06
17.75	DISCHG	44.23	44.20	39.36	39.33	39.35	39.37	39.39	39.40	34.53	34.51
20.25	DISCHG	34.52	34.53	29.65	29.64	34.53	34.58	29.69	29.66	29.67	29.68
22.75	DISCHG	24.78	24.76	29.67	29.71	24.80	24.71	.19	.00		

SUBROUTINE REACH CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.06

5.25	DISCHG	1.48	2.77	4.23	5.55	6.73	7.86	8.95	9.99	12.97	14.96
7.75	DISCHG	16.31	17.61	21.54	23.99	27.08	29.25	34.27	37.33	42.96	46.36
10.25	DISCHG	58.80	65.26	86.40	96.90	144.22	169.12	1213.29	1703.59	708.49	344.74
12.75	DISCHG	220.38	177.95	142.56	130.36	109.12	101.81	91.15	87.48	80.39	77.96
15.25	DISCHG	70.82	68.34	61.18	58.70	55.07	53.83	53.86	53.89	50.31	49.06
17.75	DISCHG	45.46	44.21	40.59	39.34	39.35	39.37	39.39	39.39	35.78	34.52
20.25	DISCHG	34.52	34.52	30.89	29.64	33.28	34.57	30.94	29.67	29.67	29.68
22.75	DISCHG	26.03	24.76	28.41	29.70	26.06	24.73	6.46	.05	.00	

SUBROUTINE RUNOFF CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 5.50 DELTA T= .25 DRAINAGE AREA= .42

5.50	DISCHG	1.24	1.88	2.36	2.82	3.26	3.69	4.10	5.56	6.11	6.64
8.00	DISCHG	7.15	9.08	9.72	11.15	11.81	14.28	15.05	17.80	18.66	25.05
10.50	DISCHG	26.26	37.22	39.07	63.86	67.90	633.87	695.96	134.87	135.80	70.21
13.00	DISCHG	70.42	51.55	51.67	40.27	40.32	34.63	34.66	30.86	30.89	27.06
15.50	DISCHG	27.08	23.24	23.25	21.31	21.32	21.34	21.35	19.42	19.43	17.50
18.00	DISCHG	17.51	15.58	15.58	15.59	15.60	15.60	15.61	13.66	13.67	13.67
20.50	DISCHG	13.67	11.73	11.73	13.69	13.70	11.75	11.75	11.75	11.75	9.80
23.00	DISCHG	9.80	11.76	11.77	9.81	9.79	.00				

SUBROUTINE ADDHYD CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.48

5.25	DISCHG	1.48	4.01	6.11	7.91	9.55	11.13	12.64	14.09	18.52	21.07
7.75	DISCHG	22.95	24.75	30.62	33.71	38.23	41.06	48.55	52.38	60.77	65.01
10.25	DISCHG	83.85	91.52	123.62	135.97	208.08	237.02	1847.16	2399.55	843.36	480.54
12.75	DISCHG	290.59	248.37	194.11	182.03	149.39	142.13	125.77	122.14	111.25	108.85
15.25	DISCHG	97.88	95.42	84.42	81.95	76.38	75.15	75.20	75.25	69.73	68.49
17.75	DISCHG	62.96	61.71	56.17	54.92	54.94	54.96	54.99	55.00	49.44	48.18
20.25	DISCHG	48.19	48.20	42.62	41.38	46.97	48.26	42.69	41.42	41.42	41.43
22.75	DISCHG	35.83	34.57	40.17	41.46	35.87	34.52	6.46	.05	.00	

SUBROUTINE REACH CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.48

5.25	DISCHG	1.28	3.67	5.83	7.67	9.34	10.92	12.44	13.89	17.94	20.73
7.75	DISCHG	22.70	24.51	29.84	33.30	37.63	40.68	47.56	51.87	59.66	64.45
10.25	DISCHG	81.36	90.50	119.36	134.34	198.53	233.19	1633.85	2326.37	1049.52	528.61
12.75	DISCHG	315.75	253.96	201.30	183.63	153.71	143.09	127.94	122.62	112.69	109.17
15.25	DISCHG	99.33	95.75	85.88	82.28	77.12	75.32	75.19	75.24	70.46	68.66
17.75	DISCHG	63.70	61.88	56.90	55.09	54.94	54.96	54.99	55.00	50.18	48.35
20.25	DISCHG	48.19	48.20	43.36	41.54	46.23	48.09	43.43	41.59	41.42	41.42
22.75	DISCHG	36.57	34.73	39.43	41.29	36.61	34.70	10.17	.90	.01	.00

SUBROUTINE RUNOFF CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 6.50 DELTA T= .25 DRAINAGE AREA= .14

6.50	DISCHG	1.09	1.23	1.37	1.86	2.04	2.22	2.39	3.03	3.25	3.72
9.00	DISCHG	3.94	4.77	5.02	5.94	6.23	8.36	8.76	12.42	13.03	21.32
11.50	DISCHG	22.84	212.28	232.15	44.97	45.28	23.41	23.48	17.19	17.23	13.42
14.00	DISCHG	13.44	11.54	11.56	10.29	10.30	9.02	9.03	7.75	7.75	7.11
16.50	DISCHG	7.11	7.12	7.12	6.48	6.48	5.84	5.84	5.20	5.20	5.20
19.00	DISCHG	5.20	5.21	5.21	4.56	4.56	4.56	4.56	3.91	3.92	4.57
21.50	DISCHG	4.57	3.92	3.92	3.92	3.92	3.27	3.27	3.93	3.93	3.27
24.00	DISCHG	3.27	.00								

SUBROUTINE ADDHYD CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.62

5.25	DISCHG	1.28	3.67	5.83	7.67	9.34	12.01	13.67	15.26	19.79	22.77
7.75	DISCHG	24.92	26.90	32.88	36.55	41.35	44.63	52.33	56.89	65.60	70.68
10.25	DISCHG	89.72	99.26	131.79	147.37	219.85	256.03	1846.12	2558.52	1094.49	573.89

12.75	DISCHG	339.16	277.44	218.49	200.85	167.14	156.53	139.48	134.18	122.98	119.47
15.25	DISCHG	108.35	104.77	93.62	90.03	84.23	82.43	82.31	82.36	76.94	75.14
17.75	DISCHG	69.53	67.72	62.10	60.29	60.14	60.16	60.19	60.21	54.74	52.91
20.25	DISCHG	52.75	52.76	47.28	45.46	50.80	52.66	47.34	45.51	45.34	45.35
22.75	DISCHG	39.84	38.00	43.36	45.22	39.88	37.96	10.17	.90	.01	.00

SUBROUTINE RESVOR STRUCTURE 7

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.62

5.25	DISCHG	.00	3.30	5.23	7.25	8.92	11.26	13.37	14.83	18.42	22.23
7.75	DISCHG	24.38	26.42	31.04	35.93	39.95	44.00	49.96	56.15	62.94	69.86
10.25	DISCHG	83.63	98.10	121.31	145.64	194.77	226.41	369.56	453.34	482.33	487.59
12.75	DISCHG	487.22	485.08	480.46	475.12	469.39	463.33	456.13	446.55	437.02	425.64
15.25	DISCHG	411.12	394.82	373.87	348.05	311.92	266.32	160.56	56.37	87.38	72.28
17.75	DISCHG	72.36	67.39	64.09	60.23	60.21	60.13	60.19	60.20	56.57	52.91
20.25	DISCHG	52.80	52.74	49.11	45.45	49.02	52.63	49.13	45.53	45.39	45.33
22.75	DISCHG	41.68	38.00	41.57	45.19	41.67	38.01	19.44	.92	.30	-.09
25.25	DISCHG	.03	-.01	.00	-.00	.00	-.00	.00			

SUBROUTINE REACH CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.62

5.25	DISCHG	.00	1.76	4.33	6.31	8.14	10.17	12.38	14.15	16.75	20.45
7.75	DISCHG	23.38	25.47	28.89	33.65	38.07	42.11	47.18	53.26	59.77	66.63
10.25	DISCHG	77.21	91.34	110.48	134.28	171.87	211.61	302.89	414.13	468.71	485.10
12.75	DISCHG	487.39	486.07	482.61	477.61	472.06	466.16	459.49	451.02	441.47	430.95
15.25	DISCHG	417.89	402.43	383.64	360.10	328.77	287.60	209.85	105.02	73.11	79.26
17.75	DISCHG	72.34	69.70	65.63	62.03	60.22	60.17	60.16	60.20	58.26	54.62
20.25	DISCHG	52.86	52.77	50.80	47.16	47.36	50.94	50.75	47.21	45.46	45.36
22.75	DISCHG	43.38	39.72	39.92	43.50	43.30	39.72	28.09	9.57	.61	.09
25.25	DISCHG	-.03	.01	-.00	.00	-.00	.00	-.00	.00		

SUBROUTINE RUNOFF CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= .32

5.75	DISCHG	1.29	1.67	2.03	2.37	2.70	3.01	4.00	4.51	4.92	5.31
8.25	DISCHG	6.63	7.24	8.24	8.82	10.52	11.26	13.16	14.00	18.28	19.69
10.75	DISCHG	27.01	29.28	45.72	50.88	412.11	515.39	154.33	104.41	59.55	53.72
13.25	DISCHG	41.01	39.36	31.73	30.73	26.91	26.41	23.86	23.54	20.97	20.63
15.75	DISCHG	18.06	17.72	16.42	16.26	16.27	16.27	14.99	14.82	13.52	13.35
18.25	DISCHG	12.05	11.88	11.88	11.89	11.89	11.90	10.60	10.42	10.42	10.43
20.75	DISCHG	9.12	8.95	10.26	10.44	9.14	8.96	8.96	8.96	7.65	7.48
23.25	DISCHG	8.79	8.96	7.66	7.47	.91	.02	.00			

SUBROUTINE ADDHYD CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 5.25 DELTA T= .25 DRAINAGE AREA= 1.94

5.25	DISCHG	.00	1.76	5.61	7.98	10.17	12.54	15.08	17.16	20.75	24.96
7.75	DISCHG	28.30	30.78	35.51	40.89	46.32	50.93	57.70	64.52	72.93	80.63
10.25	DISCHG	95.49	111.03	137.50	163.56	217.59	262.49	715.00	929.52	623.04	589.51
12.75	DISCHG	546.93	539.80	523.62	516.97	503.79	496.88	486.39	477.43	465.33	454.48
15.25	DISCHG	438.86	423.06	401.70	377.82	345.19	303.86	226.12	121.29	88.09	94.08

17.75	DISCHG	85.87	83.05	77.68	73.91	72.11	72.05	72.06	72.09	68.85	65.04
20.25	DISCHG	63.29	63.20	59.93	56.11	57.62	61.38	59.89	56.17	54.42	54.32
22.75	DISCHG	51.03	47.20	48.70	52.46	50.97	47.19	29.00	9.59	.61	.09
25.25	DISCHG	-.03	.01	-.00	.00	-.00	.00	-.00	.00		

ENDCMP 1
EXECUTIVE CONTROL CARD OPERATION COMPUT
+ , FROM XSECTN/STRUCT 21/ 0 TO XSECTN/STRUCT 143/ 0
STARTING TIME= .00 RAIN DEPTH= 3.40 RAIN DURATION= 1.00 RAIN TABLE NO.= 2 SOIL CONDITION= 2
ALTERNATE NO.= 0 STORM NO.= 0

SUBROUTINE RUNOFF CROSS SECTION 81

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.06

5.75	DISCHG	2.15	3.20	4.22	5.20	6.14	7.04	9.81	11.06	12.25	13.38
8.25	DISCHG	17.23	18.70	21.67	23.19	28.27	30.07	35.81	37.82	51.04	53.98
10.75	DISCHG	76.82	81.23	133.50	144.67	1350.78	1527.45	307.91	300.77	156.83	156.34
13.25	DISCHG	114.78	114.70	89.67	89.65	77.08	77.09	68.70	68.73	60.28	60.26
15.75	DISCHG	51.79	51.77	47.49	47.50	47.54	47.57	43.32	43.30	39.05	39.03
18.25	DISCHG	34.75	34.74	34.76	34.78	34.80	34.80	30.51	30.49	30.50	30.51
20.75	DISCHG	26.20	26.19	30.52	30.56	26.24	26.22	26.23	26.24	21.91	21.89
23.25	DISCHG	26.23	26.27	21.93	21.85	.17	.00				

SUBROUTINE RESVOR STRUCTURE 14

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.06

5.75	DISCHG	2.15	3.20	4.22	5.20	6.14	7.04	9.81	11.06	12.25	13.38
8.25	DISCHG	17.23	18.70	21.67	23.19	28.27	30.07	35.81	37.82	51.04	53.98
10.75	DISCHG	76.82	81.23	133.50	144.67	1350.78	1527.45	307.91	300.77	156.83	156.34
13.25	DISCHG	114.78	114.70	89.67	89.65	77.08	77.09	68.70	68.73	60.28	60.26
15.75	DISCHG	51.79	51.77	47.49	47.50	47.54	47.57	43.32	43.30	39.05	39.03
18.25	DISCHG	34.75	34.74	34.76	34.78	34.80	34.80	30.51	30.49	30.50	30.51
20.75	DISCHG	26.20	26.19	30.52	30.56	26.24	26.22	26.23	26.24	21.91	21.89
23.25	DISCHG	26.23	26.27	21.93	21.85	.17	.00				

SUBROUTINE REACH CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.06

5.75	DISCHG	1.60	2.93	3.96	4.95	5.90	6.81	9.10	10.74	11.95	13.09
8.25	DISCHG	16.25	18.32	20.91	22.80	26.97	29.61	34.34	37.30	47.66	53.23
10.75	DISCHG	70.98	80.10	120.14	141.82	1042.51	1482.28	619.61	302.61	193.62	156.47
13.25	DISCHG	125.40	114.72	96.07	89.66	80.29	77.08	70.85	68.73	62.44	60.27
15.75	DISCHG	53.96	51.78	48.58	47.50	47.53	47.56	44.40	43.31	40.13	39.03
18.25	DISCHG	35.85	34.74	34.75	34.77	34.79	34.80	31.61	30.50	30.50	30.51
20.75	DISCHG	27.30	26.19	29.41	30.55	27.34	26.22	26.23	26.23	23.01	21.89
23.25	DISCHG	25.12	26.26	23.04	21.87	5.71	.04	.00			

SUBROUTINE RUNOFF CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 6.00 DELTA T= .25 DRAINAGE AREA= .42

6.00	DISCHG	1.30	1.70	2.09	2.46	2.82	3.93	4.42	4.89	5.34	6.88
8.50	DISCHG	7.45	8.64	9.24	11.27	11.97	14.26	15.04	20.34	21.46	30.63

11.00	DISCHG	32.36	53.30	57.06	546.00	608.22	118.28	119.26	61.71	61.93	45.36
13.50	DISCHG	45.48	35.46	35.51	30.51	30.55	27.20	27.23	23.86	23.88	20.50
16.00	DISCHG	20.51	18.80	18.82	18.83	18.85	17.15	17.15	15.45	15.46	13.75
18.50	DISCHG	13.76	13.77	13.77	13.78	13.79	12.07	12.08	12.08	12.08	10.37
21.00	DISCHG	10.37	12.10	12.11	10.38	10.39	10.39	10.39	8.67	8.67	10.40
23.50	DISCHG	10.41	8.68	8.66	.00						

SUBROUTINE ADDHYD CROSS SECTION 82

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.48

5.75	DISCHG	1.60	4.24	5.66	7.03	8.35	9.63	13.03	15.16	16.83	18.43
8.25	DISCHG	23.13	25.78	29.55	32.04	38.24	41.57	48.60	52.35	68.00	74.69
10.75	DISCHG	101.61	112.47	173.44	198.88	1588.51	2090.49	737.89	421.87	255.33	218.40
13.25	DISCHG	170.76	160.21	131.52	125.17	110.80	107.63	98.05	95.96	86.30	84.15
15.75	DISCHG	74.45	72.29	67.38	66.31	66.36	66.41	61.55	60.46	55.59	54.49
18.25	DISCHG	49.60	48.50	48.52	48.54	48.57	48.59	43.68	42.57	42.58	42.59
20.75	DISCHG	37.67	36.56	41.52	42.66	37.73	36.61	36.62	36.62	31.68	30.56
23.25	DISCHG	35.52	36.66	31.71	30.52	5.71	.04	.00			

SUBROUTINE REACH CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.48

5.75	DISCHG	1.39	3.89	5.47	6.85	8.18	9.46	12.58	14.88	16.61	18.22
8.25	DISCHG	22.51	25.42	29.05	31.71	37.42	41.13	47.67	51.85	65.93	73.80
10.75	DISCHG	98.04	111.03	165.36	195.51	1404.42	2023.99	917.08	463.74	277.39	223.29
13.25	DISCHG	177.08	161.61	135.32	126.01	112.70	108.05	99.32	96.24	87.58	84.43
15.75	DISCHG	75.74	72.57	68.03	66.45	66.35	66.40	62.20	60.61	56.23	54.64
18.25	DISCHG	50.25	48.65	48.52	48.54	48.57	48.59	44.33	42.72	42.58	42.59
20.75	DISCHG	38.32	36.71	40.86	42.50	38.38	36.76	36.62	36.62	32.33	30.71
23.25	DISCHG	34.87	36.51	32.37	30.68	9.00	.79	.01	.00		

SUBROUTINE RUNOFF CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 7.25 DELTA T= .25 DRAINAGE AREA= .14

7.25	DISCHG	1.32	1.48	1.63	1.78	2.30	2.49	2.89	3.09	3.76	3.99
9.75	DISCHG	4.76	5.02	6.79	7.16	10.23	10.80	17.80	19.20	182.97	202.95
12.25	DISCHG	39.44	39.77	20.57	20.65	15.12	15.16	11.82	11.84	10.17	10.18
14.75	DISCHG	9.07	9.08	7.95	7.96	6.83	6.84	6.27	6.28	6.28	6.29
17.25	DISCHG	5.72	5.72	5.16	5.16	4.59	4.59	4.59	4.60	4.60	4.60
19.75	DISCHG	4.03	4.03	4.03	4.03	3.46	3.46	4.04	4.04	3.46	3.47
22.25	DISCHG	3.47	3.47	2.89	2.89	3.47	3.47	2.89	2.89	.00	

SUBROUTINE ADDHYD CROSS SECTION 84

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.62

5.75	DISCHG	1.39	3.89	5.47	6.85	8.18	9.46	13.89	16.36	18.25	20.01
8.25	DISCHG	24.81	27.91	31.94	34.80	41.18	45.12	52.43	56.87	72.72	80.97
10.75	DISCHG	108.27	121.83	183.16	214.70	1587.39	2226.94	956.52	503.51	297.96	243.94
13.25	DISCHG	192.20	176.77	147.14	137.85	122.87	118.23	108.38	105.31	95.54	92.39
15.75	DISCHG	82.57	79.41	74.31	72.73	72.64	72.69	67.92	66.33	61.39	59.80
18.25	DISCHG	54.84	53.24	53.11	53.14	53.17	53.19	48.36	46.75	46.61	46.62
20.75	DISCHG	41.78	40.17	44.90	46.54	41.84	40.22	40.08	40.09	35.22	33.60

23.25	DISCHG	38.34	39.98	35.26	33.57	9.00	.79	.01	.00		

SUBROUTINE RESVOR STRUCTURE 7

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.62

5.75	DISCHG	.00	3.51	5.07	6.53	7.84	9.14	12.52	15.99	17.74	19.59
8.25	DISCHG	23.34	27.36	30.78	34.23	39.24	44.45	50.22	56.13	67.68	79.89
10.75	DISCHG	99.51	120.21	163.21	202.79	354.19	440.19	469.33	474.46	473.01	469.03
13.25	DISCHG	464.09	458.36	449.47	440.26	430.95	416.50	402.38	382.15	359.56	332.99
15.75	DISCHG	286.23	229.62	56.07	79.31	70.48	73.39	69.28	66.41	63.01	59.79
18.25	DISCHG	56.49	53.22	53.16	53.11	53.16	53.18	49.97	46.75	46.66	46.60
20.75	DISCHG	43.40	40.17	43.32	46.52	43.42	40.24	40.12	40.07	36.85	33.60
23.25	DISCHG	36.76	39.96	36.85	33.61	17.19	.81	.26	-.08	.03	-.01
25.75	DISCHG	.00	-.00	.00	-.00	.00					

SUBROUTINE REACH CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.62

5.75	DISCHG	.00	1.88	4.34	5.85	7.23	8.54	10.94	14.37	16.92	18.72
8.25	DISCHG	21.59	25.49	29.18	32.62	36.90	42.02	47.53	53.37	62.29	74.19
10.75	DISCHG	90.36	110.54	143.16	184.30	283.67	399.93	455.64	472.03	473.68	470.89
13.25	DISCHG	466.39	461.03	453.62	444.56	435.30	423.24	408.97	391.59	370.11	345.39
15.75	DISCHG	308.04	256.04	136.93	68.76	74.56	72.05	71.19	67.75	64.60	61.29
18.25	DISCHG	58.03	54.75	53.19	53.13	53.14	53.17	51.47	48.25	46.71	46.63
20.75	DISCHG	44.89	41.68	41.86	45.02	44.86	41.73	40.18	40.10	38.35	35.12
23.25	DISCHG	35.29	38.46	38.29	35.12	24.84	8.46	.54	.08	-.02	.01
25.75	DISCHG	-.00	.00	-.00	.00	-.00	.00				

SUBROUTINE RUNOFF CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 6.25 DELTA T= .25 DRAINAGE AREA= .32

6.25	DISCHG	1.19	1.49	1.78	2.05	2.81	3.24	3.60	3.95	5.00	5.53
8.75	DISCHG	6.37	6.88	8.27	8.93	10.51	11.26	14.81	16.06	22.18	24.20
11.25	DISCHG	38.07	42.67	352.71	448.56	135.09	91.65	52.32	47.23	36.08	34.64
13.75	DISCHG	27.93	27.06	23.70	23.27	21.03	20.75	18.49	18.20	15.93	15.63
16.25	DISCHG	14.49	14.35	14.35	14.36	13.23	13.08	11.94	11.79	10.64	10.49
18.75	DISCHG	10.49	10.50	10.51	10.51	9.36	9.21	9.21	9.21	8.06	7.91
21.25	DISCHG	9.07	9.23	8.07	7.92	7.92	7.92	6.77	6.61	7.77	7.93
23.75	DISCHG	6.77	6.61	.81	.02	.00					

SUBROUTINE ADDHYD CROSS SECTION 85

TIME HYDROGRAPH, TZERO= 5.75 DELTA T= .25 DRAINAGE AREA= 1.94

5.75	DISCHG	.00	1.88	5.53	7.34	9.01	10.59	13.75	17.61	20.52	22.67
8.25	DISCHG	26.59	31.01	35.55	39.49	45.17	50.95	58.04	64.63	77.10	90.25
10.75	DISCHG	112.54	134.75	181.23	226.97	636.38	848.50	590.73	563.68	526.00	518.12
13.25	DISCHG	502.47	495.67	481.55	471.62	459.00	446.51	430.00	412.33	388.59	363.59
15.75	DISCHG	323.96	271.67	151.42	83.10	88.91	86.41	84.42	80.83	76.54	73.08
18.25	DISCHG	68.68	65.24	63.69	63.63	63.65	63.68	60.83	57.47	55.92	55.84
20.75	DISCHG	52.96	49.59	50.92	54.25	52.93	49.65	48.10	48.02	45.12	41.74
23.25	DISCHG	43.06	46.39	45.07	41.73	25.64	8.48	.54	.08	-.02	.01
25.75	DISCHG	-.00	.00	-.00	.00	-.00	.00				

ENDCMP 1

SUMMARY TABLE 1

ALT	STORM	ID	DA SQ-MI.	RAIN TBLE	AMC	DELTA-T HRS.	TZERO HRS.	PRECIP IN.	PRECIP DURATION	PEAK-Q CFS	PEAK-TIME	PEAK-ELEV	RUNOFF IN.	CSM
0	0	21X	.32	2	2	.25	.00	4.50	24.50	646.94	11.93	.00	3.41	2021.68
0	0	22X	.32	2	2	.25	.00	4.50	24.50	588.69	11.99	.00	3.42	1839.65
0	0	22X	.20	2	2	.25	.00	4.50	24.50	433.06	11.89	.00	3.50	2165.31
0	0	22X	.52	2	2	.25	.00	4.50	24.50	1015.75	11.95	.00	3.43	1953.37
0	0	26S	.52	2	2	.25	.00	4.50	24.50	1015.75	11.95	.00	3.43	1953.37
0	0	23X	.52	2	2	.25	.00	4.50	24.50	946.13	11.99	.00	3.44	1819.47
0	0	23X	.08	2	2	.25	.00	4.50	24.50	175.12	11.89	.00	3.44	2189.06
0	0	23X	.60	2	2	.25	.00	4.50	24.50	1112.06	11.97	.00	3.44	1853.44
0	0	51X	.08	2	2	.25	.00	4.50	24.50	169.00	11.91	.00	3.40	2112.50
0	0	52X	.08	2	2	.25	.00	4.50	24.50	163.63	11.93	.00	3.41	2045.31
0	0	52X	.10	2	2	.25	.00	4.50	24.50	217.75	11.90	.00	3.44	2177.50
0	0	52X	.18	2	2	.25	.00	4.50	24.50	379.31	11.91	.00	3.43	2107.29
0	0	53X	.18	2	2	.25	.00	4.50	24.50	366.44	11.93	.00	3.43	2035.76
0	0	53X	.15	2	2	.25	.00	4.50	24.50	328.06	11.89	.00	3.46	2187.08
0	0	53X	.33	2	2	.25	.00	4.50	24.50	693.50	11.91	.00	3.44	2101.52
0	0	54X	.33	2	2	.25	.00	4.50	24.50	643.94	11.96	.00	3.45	1951.33
0	0	54X	.11	2	2	.25	.00	4.50	24.50	241.37	11.89	.00	3.50	2194.32
0	0	54X	.44	2	2	.25	.00	4.50	24.50	881.94	11.94	.00	3.45	2004.40
0	0	7X	1.04	2	2	.25	.00	4.50	24.50	1991.00	11.96	.00	3.45	1914.42
0	0	12S	1.04	2	2	.25	.00	4.50	24.50	1991.00	11.96	.00	3.45	1914.42
0	0	25X	1.04	2	2	.25	.00	4.50	24.50	1856.00	12.00	.00	3.45	1784.62
0	0	25X	.11	2	2	.25	.00	4.50	24.50	239.94	11.89	.00	3.49	2181.25
0	0	25X	1.15	2	2	.25	.00	4.50	24.50	2083.00	11.98	.00	3.45	1811.30
0	0	61X	.24	2	2	.25	.00	4.50	24.50	479.75	11.94	.00	3.45	1998.96
0	0	30S	.24	2	2	.25	.00	4.50	24.50	479.75	11.94	.00	3.45	1998.96
0	0	62X	.24	2	2	.25	.00	4.50	24.50	434.19	12.00	.00	3.44	1809.11
0	0	62X	.22	2	2	.25	.00	4.50	24.50	472.25	11.90	.00	3.48	2146.59
0	0	62X	.46	2	2	.25	.00	4.50	24.50	894.44	11.95	.00	3.46	1944.43
0	0	26X	1.61	2	2	.25	.00	4.50	24.50	2969.00	11.97	.00	3.44	1844.10
0	0	65X	.28	2	2	.25	.00	4.50	24.50	582.81	11.92	.00	3.42	2081.47
0	0	66X	.28	2	2	.25	.00	4.50	24.50	538.37	11.97	.00	3.43	1922.77
0	0	66X	.08	2	2	.25	.00	4.50	24.50	174.44	11.89	.00	3.44	2180.47
0	0	66X	.36	2	2	.25	.00	4.50	24.50	708.87	11.95	.00	3.43	1969.10
0	0	8X	1.97	2	2	.25	.00	4.50	24.50	3676.00	11.97	.00	3.44	1865.99
0	0	11S	1.97	2	2	.25	.00	4.50	24.50	3676.00	11.97	.00	3.44	1865.99
0	0	28X	1.97	2	2	.25	.00	4.50	24.50	3037.00	12.17	.00	3.46	1541.62
0	0	28X	.33	2	2	.25	.00	4.50	24.50	710.81	11.90	.00	3.44	2153.98
0	0	28X	2.30	2	2	.25	.00	4.50	24.50	3496.00	12.09	.00	3.45	1520.00
0	0	72X	.18	2	2	.25	.00	4.50	24.50	379.19	11.91	.00	3.42	2106.60
0	0	73X	.18	2	2	.25	.00	4.50	24.50	361.94	11.94	.00	3.42	2010.76
0	0	73X	.16	2	2	.25	.00	4.50	24.50	349.13	11.89	.00	3.45	2182.03
0	0	73X	.34	2	2	.25	.00	4.50	24.50	707.81	11.92	.00	3.44	2081.80
0	0	71X	.16	2	2	.25	.00	4.50	24.50	317.81	11.94	.00	3.41	1986.33
0	0	74X	.50	2	2	.25	.00	4.50	24.50	1028.25	11.93	.00	3.43	2056.50
0	0	37S	.50	2	2	.25	.00	4.50	24.50	1028.25	11.93	.00	3.43	2056.50
0	0	29X	2.80	2	2	.25	.00	4.50	24.50	4389.00	12.04	.00	3.45	1567.50
0	0	30X	2.80	2	2	.25	.00	4.50	24.50	3852.00	12.14	.00	3.45	1375.71
0	0	30X	.09	2	2	.25	.00	4.50	24.50	197.37	11.89	.00	3.49	2193.06
0	0	30X	2.89	2	2	.25	.00	4.50	24.50	4056.00	12.11	.00	3.45	1403.46
0	0	81X	1.06	2	2	.25	.00	4.50	24.50	2293.00	11.90	.00	3.44	2163.21
0	0	14S	1.06	2	2	.25	.00	4.50	24.50	2293.00	11.90	.00	3.44	2163.21
0	0	82X	1.06	2	2	.25	.00	4.50	24.50	2123.00	11.95	.00	3.45	2002.83

0	0	82X	.42	2	2	.25	.00	4.50	24.50	914.81	11.90	.00	3.50	2178.12
0	0	82X	1.48	2	2	.25	.00	4.50	24.50	3023.00	11.94	.00	3.45	2042.57
0	0	84X	1.48	2	2	.25	.00	4.50	24.50	2886.00	11.96	.00	3.46	1950.00
0	0	84X	.14	2	2	.25	.00	4.50	24.50	305.25	11.89	.00	3.49	2180.36
0	0	84X	1.62	2	2	.25	.00	4.50	24.50	3184.00	11.95	.00	3.46	1965.43
0	0	7S	1.62	2	2	.25	.00	4.50	24.50	503.18	12.69	1927.12	3.48	310.61
0	0	85X	1.62	2	2	.25	.00	4.50	24.50	503.25	12.84	.00	3.47	310.65
0	0	85X	.32	2	2	.25	.00	4.50	24.50	653.25	11.93	.00	3.41	2041.41
0	0	85X	1.94	2	2	.25	.00	4.50	24.50	1074.56	11.96	.00	3.46	553.90
0	0	31X	4.83	2	2	.25	.00	4.50	24.50	5043.00	12.08	.00	3.46	1044.10
0	0	11X	1.25	2	2	.25	.00	4.50	24.50	2181.00	12.02	.00	3.42	1744.80
0	0	6S	1.25	2	2	.25	.00	4.50	24.50	2181.00	12.02	.00	3.42	1744.80
0	0	12X	1.25	2	2	.25	.00	4.50	24.50	2046.00	12.05	.00	3.42	1636.80
0	0	12X	.70	2	2	.25	.00	4.50	24.50	1411.00	11.94	.00	3.41	2015.71
0	0	12X	1.95	2	2	.25	.00	4.50	24.50	3388.00	12.00	.00	3.42	1737.44
0	0	14X	1.95	2	2	.25	.00	4.50	24.50	3048.00	12.06	.00	3.43	1563.08
0	0	14X	.21	2	2	.25	.00	4.50	24.50	455.38	11.90	.00	3.49	2168.45
0	0	14X	2.16	2	2	.25	.00	4.50	24.50	3439.00	12.03	.00	3.43	1592.13
0	0	15X	2.16	2	2	.25	.00	4.50	24.50	2999.00	12.17	.00	3.43	1388.43
0	0	15X	.22	2	2	.25	.00	4.50	24.50	236.31	12.41	.00	3.43	1074.15
0	0	15X	2.38	2	2	.25	.00	4.50	24.50	3206.00	12.18	.00	3.43	1347.06
0	0	16X	2.38	2	2	.25	.00	4.50	24.50	3123.00	12.22	.00	3.43	1312.19
0	0	16X	.05	2	2	.25	.00	4.50	24.50	109.81	11.89	.00	3.47	2196.25
0	0	16X	2.43	2	2	.25	.00	4.50	24.50	3151.00	12.21	.00	3.43	1296.71
0	0	32X	7.26	2	2	.25	.00	4.50	24.50	8047.00	12.12	.00	3.45	1108.40
0	0	4S	7.26	2	2	.25	.00	4.50	24.50	8047.00	12.12	.00	3.45	1108.40
0	0	33X	7.26	2	2	.25	.00	4.50	24.50	7696.00	12.17	.00	3.45	1060.06
0	0	33X	.09	2	2	.25	.00	4.50	24.50	196.75	11.89	.00	3.49	2186.11
0	0	33X	7.35	2	2	.25	.00	4.50	24.50	7745.00	12.15	.00	3.45	1053.74
0	0	35X	7.35	2	2	.25	.00	4.50	24.50	7538.00	12.26	.00	3.45	1025.58
0	0	35X	.10	2	2	.25	.00	4.50	24.50	216.25	11.90	.00	3.43	2162.50
0	0	35X	7.45	2	2	.25	.00	4.50	24.50	7578.00	12.25	.00	3.45	1017.18
0	0	94X	.07	2	2	.25	.00	4.50	24.50	147.37	11.92	.00	3.44	2075.70
0	0	92X	.07	2	2	.25	.00	4.50	24.50	143.69	11.93	.00	3.43	2023.77
0	0	92X	.22	2	2	.25	.00	4.50	24.50	467.69	11.90	.00	3.47	2125.85
0	0	92X	.29	2	2	.25	.00	4.50	24.50	610.00	11.91	.00	3.46	2096.22
0	0	91X	.34	2	2	.25	.00	4.50	24.50	689.06	11.93	.00	3.41	2026.65
0	0	93X	.63	2	2	.25	.00	4.50	24.50	1306.00	11.92	.00	3.42	2069.73
0	0	36X	8.08	2	2	.25	.00	4.50	24.50	8006.00	12.16	.00	3.45	990.72
0	0	25S	8.08	2	2	.25	.00	4.50	24.50	8006.00	12.16	.00	3.45	990.72
0	0	37X	8.08	2	2	.25	.00	4.50	24.50	7892.00	12.22	.00	3.45	976.61
0	0	37X	.07	2	2	.25	.00	4.50	24.50	153.87	11.89	.00	3.49	2198.21
0	0	37X	8.15	2	2	.25	.00	4.50	24.50	7948.00	12.21	.00	3.45	975.10
0	0	39X	8.15	2	2	.25	.00	4.50	24.50	7801.00	12.29	.00	3.45	957.06
0	0	39X	.11	2	2	.25	.00	4.50	24.50	241.06	11.89	.00	3.50	2191.48
0	0	39X	8.26	2	2	.25	.00	4.50	24.50	7845.00	12.28	.00	3.45	949.64
0	0	17X	.06	2	2	.25	.00	4.50	24.50	125.62	11.92	.00	3.43	2093.75
0	0	18X	.06	2	2	.25	.00	4.50	24.50	116.06	11.97	.00	3.42	1934.37
0	0	18X	.51	2	2	.25	.00	4.50	24.50	977.19	11.96	.00	3.44	1916.05
0	0	18X	.57	2	2	.25	.00	4.50	24.50	1095.00	11.96	.00	3.44	1921.05
0	0	20X	.57	2	2	.25	.00	4.50	24.50	1036.87	11.99	.00	3.44	1819.08
0	0	20X	.07	2	2	.25	.00	4.50	24.50	153.69	11.89	.00	3.49	2195.54
0	0	20X	.64	2	2	.25	.00	4.50	24.50	1185.00	11.98	.00	3.44	1851.56
0	0	40X	8.90	2	2	.25	.00	4.50	24.50	8448.00	12.21	.00	3.45	949.11
0	0	1X	3.00	2	2	.25	.00	4.50	24.50	4268.00	12.19	.00	3.43	1422.67
0	0	36S	3.00	2	2	.25	.00	4.50	24.50	4268.00	12.19	.00	3.43	1422.67

0	0	2X	3.00	2	2	.25	.00	4.50	24.50	4111.00	12.23	.00	3.43	1370.33
0	0	2X	.10	2	2	.25	.00	4.50	24.50	220.00	11.89	.00	3.46	2200.00
0	0	2X	3.10	2	2	.25	.00	4.50	24.50	4158.00	12.22	.00	3.43	1341.29
0	0	3X	3.10	2	2	.25	.00	4.50	24.50	3966.00	12.28	.00	3.43	1279.35
0	0	3X	.16	2	2	.25	.00	4.50	24.50	346.25	11.90	.00	3.43	2164.06
0	0	3X	3.26	2	2	.25	.00	4.50	24.50	4020.00	12.26	.00	3.43	1233.13
0	0	4X	3.26	2	2	.25	.00	4.50	24.50	3888.00	12.31	.00	3.43	1192.64
0	0	4X	.13	2	2	.25	.00	4.50	24.50	276.50	11.91	.00	3.47	2126.92
0	0	4X	3.39	2	2	.25	.00	4.50	24.50	3925.00	12.30	.00	3.43	1157.82
0	0	5X	3.39	2	2	.25	.00	4.50	24.50	3757.00	12.42	.00	3.43	1108.26
0	0	5X	.24	2	2	.25	.00	4.50	24.50	523.50	11.89	.00	3.51	2181.25
0	0	5X	3.63	2	2	.25	.00	4.50	24.50	3856.00	12.42	.00	3.43	1062.26
0	0	6X	3.63	2	2	.25	.00	4.50	24.50	3783.00	12.46	.00	3.43	1042.15
0	0	6X	.15	2	2	.25	.00	4.50	24.50	324.62	11.90	.00	3.43	2164.17
0	0	6X	3.78	2	2	.25	.00	4.50	24.50	3845.00	12.45	.00	3.43	1017.20
0	0	41X	3.78	2	2	.25	.00	4.50	24.50	3748.62	12.50	.00	3.44	991.70
0	0	41X	.23	2	2	.25	.00	4.50	24.50	485.31	11.91	.00	3.47	2110.05
0	0	41X	4.01	2	2	.25	.00	4.50	24.50	3840.50	12.49	.00	3.43	957.73
0	0	141X	12.91	2	2	.25	.00	4.50	24.50	11954.00	12.28	.00	3.44	925.88
0	0	1S	12.91	2	2	.25	.00	4.50	24.50	11954.00	12.28	.00	3.44	925.88
0	0	43X	12.91	2	2	.25	.00	4.50	24.50	11871.00	12.35	.00	3.44	919.45
0	0	43X	.19	2	2	.25	.00	4.50	24.50	413.44	11.89	.00	3.50	2175.99
0	0	43X	13.10	2	2	.25	.00	4.50	24.50	11891.00	12.35	.00	3.44	907.64
0	0	143X	13.10	2	2	.25	.00	4.50	24.50	11875.00	12.36	.00	3.44	906.42
0	0	143X	.03	2	2	.25	.00	4.50	24.50	66.11	11.89	.00	3.39	2203.65
0	0	143X	13.13	2	2	.25	.00	4.50	24.50	11854.00	12.36	.00	3.44	902.75
0	0	21X	.32	2	2	.25	.00	4.10	24.50	577.12	11.94	.00	3.03	1803.52
0	0	22X	.32	2	2	.25	.00	4.10	24.50	525.44	11.99	.00	3.04	1641.99
0	0	22X	.20	2	2	.25	.00	4.10	24.50	389.44	11.90	.00	3.11	1947.19
0	0	22X	.52	2	2	.25	.00	4.10	24.50	902.19	11.95	.00	3.05	1734.98
0	0	26S	.52	2	2	.25	.00	4.10	24.50	902.19	11.95	.00	3.05	1734.98
0	0	23X	.52	2	2	.25	.00	4.10	24.50	842.06	11.99	.00	3.05	1619.35
0	0	23X	.08	2	2	.25	.00	4.10	24.50	156.75	11.90	.00	3.09	1959.38
0	0	23X	.60	2	2	.25	.00	4.10	24.50	993.37	11.97	.00	3.05	1655.62
0	0	51X	.08	2	2	.25	.00	4.10	24.50	151.00	11.91	.00	3.06	1887.50
0	0	52X	.08	2	2	.25	.00	4.10	24.50	146.00	11.93	.00	3.05	1825.00
0	0	52X	.10	2	2	.25	.00	4.10	24.50	194.81	11.90	.00	3.05	1948.12
0	0	52X	.18	2	2	.25	.00	4.10	24.50	340.19	11.91	.00	3.04	1889.93
0	0	53X	.18	2	2	.25	.00	4.10	24.50	328.69	11.93	.00	3.04	1826.04
0	0	53X	.15	2	2	.25	.00	4.10	24.50	294.00	11.90	.00	3.07	1960.00
0	0	53X	.33	2	2	.25	.00	4.10	24.50	618.62	11.92	.00	3.05	1874.62
0	0	54X	.33	2	2	.25	.00	4.10	24.50	575.25	11.96	.00	3.06	1743.18
0	0	54X	.11	2	2	.25	.00	4.10	24.50	216.12	11.90	.00	3.07	1964.77
0	0	54X	.44	2	2	.25	.00	4.10	24.50	787.75	11.94	.00	3.06	1790.34
0	0	7X	1.04	2	2	.25	.00	4.10	24.50	1782.00	11.96	.00	3.06	1713.46
0	0	12S	1.04	2	2	.25	.00	4.10	24.50	1782.00	11.96	.00	3.06	1713.46
0	0	25X	1.04	2	2	.25	.00	4.10	24.50	1659.00	12.00	.00	3.06	1595.19
0	0	25X	.11	2	2	.25	.00	4.10	24.50	214.88	11.90	.00	3.06	1953.41
0	0	25X	1.15	2	2	.25	.00	4.10	24.50	1863.00	11.98	.00	3.06	1620.00
0	0	61X	.24	2	2	.25	.00	4.10	24.50	427.12	11.94	.00	3.06	1779.69
0	0	30S	.24	2	2	.25	.00	4.10	24.50	427.12	11.94	.00	3.06	1779.69
0	0	62X	.24	2	2	.25	.00	4.10	24.50	386.31	12.00	.00	3.05	1609.64
0	0	62X	.22	2	2	.25	.00	4.10	24.50	422.81	11.90	.00	3.10	1921.87
0	0	62X	.46	2	2	.25	.00	4.10	24.50	796.50	11.95	.00	3.07	1731.52
0	0	26X	1.61	2	2	.25	.00	4.10	24.50	2649.00	11.97	.00	3.06	1645.34
0	0	65X	.28	2	2	.25	.00	4.10	24.50	520.94	11.92	.00	3.03	1860.49

0	0	66X	.28	2	2	.25	.00	4.10	24.50	479.56	11.97	.00	3.04	1712.72
0	0	66X	.08	2	2	.25	.00	4.10	24.50	156.06	11.90	.00	3.09	1950.78
0	0	66X	.36	2	2	.25	.00	4.10	24.50	631.25	11.95	.00	3.04	1753.47
0	0	8X	1.97	2	2	.25	.00	4.10	24.50	3281.00	11.97	.00	3.05	1665.48
0	0	11S	1.97	2	2	.25	.00	4.10	24.50	3281.00	11.97	.00	3.05	1665.48
0	0	28X	1.97	2	2	.25	.00	4.10	24.50	2711.00	12.17	.00	3.07	1376.14
0	0	28X	.33	2	2	.25	.00	4.10	24.50	636.62	11.90	.00	3.10	1929.17
0	0	28X	2.30	2	2	.25	.00	4.10	24.50	3117.00	12.09	.00	3.07	1355.22
0	0	72X	.18	2	2	.25	.00	4.10	24.50	339.81	11.91	.00	3.08	1887.85
0	0	73X	.18	2	2	.25	.00	4.10	24.50	323.37	11.94	.00	3.07	1796.53
0	0	73X	.16	2	2	.25	.00	4.10	24.50	312.62	11.90	.00	3.11	1953.91
0	0	73X	.34	2	2	.25	.00	4.10	24.50	632.69	11.92	.00	3.09	1860.85
0	0	71X	.16	2	2	.25	.00	4.10	24.50	283.56	11.94	.00	3.02	1772.27
0	0	74X	.50	2	2	.25	.00	4.10	24.50	916.69	11.93	.00	3.08	1833.37
0	0	37S	.50	2	2	.25	.00	4.10	24.50	916.69	11.93	.00	3.08	1833.37
0	0	29X	2.80	2	2	.25	.00	4.10	24.50	3914.00	12.04	.00	3.07	1397.86
0	0	30X	2.80	2	2	.25	.00	4.10	24.50	3435.00	12.14	.00	3.07	1226.79
0	0	30X	.09	2	2	.25	.00	4.10	24.50	176.81	11.90	.00	3.11	1964.58
0	0	30X	2.89	2	2	.25	.00	4.10	24.50	3615.00	12.11	.00	3.07	1250.87
0	0	81X	1.06	2	2	.25	.00	4.10	24.50	2052.00	11.90	.00	3.10	1935.85
0	0	14S	1.06	2	2	.25	.00	4.10	24.50	2052.00	11.90	.00	3.10	1935.85
0	0	82X	1.06	2	2	.25	.00	4.10	24.50	1897.00	11.96	.00	3.09	1789.62
0	0	82X	.42	2	2	.25	.00	4.10	24.50	817.63	11.90	.00	3.11	1946.73
0	0	82X	1.48	2	2	.25	.00	4.10	24.50	2700.00	11.94	.00	3.10	1824.32
0	0	84X	1.48	2	2	.25	.00	4.10	24.50	2584.00	11.96	.00	3.09	1745.95
0	0	84X	.14	2	2	.25	.00	4.10	24.50	273.31	11.90	.00	3.06	1952.23
0	0	84X	1.62	2	2	.25	.00	4.10	24.50	2849.00	11.96	.00	3.09	1758.64
0	0	7S	1.62	2	2	.25	.00	4.10	24.50	493.69	12.63	1925.49	3.08	304.75
0	0	85X	1.62	2	2	.25	.00	4.10	24.50	493.27	12.80	.00	3.08	304.49
0	0	85X	.32	2	2	.25	.00	4.10	24.50	584.00	11.93	.00	3.03	1825.00
0	0	85X	1.94	2	2	.25	.00	4.10	24.50	994.12	11.97	.00	3.08	512.44
0	0	31X	4.83	2	2	.25	.00	4.10	24.50	4537.00	12.08	.00	3.07	939.34
0	0	11X	1.25	2	2	.25	.00	4.10	24.50	1943.00	12.02	.00	3.04	1554.40
0	0	6S	1.25	2	2	.25	.00	4.10	24.50	1943.00	12.02	.00	3.04	1554.40
0	0	12X	1.25	2	2	.25	.00	4.10	24.50	1823.00	12.05	.00	3.04	1458.40
0	0	12X	.70	2	2	.25	.00	4.10	24.50	1262.00	11.94	.00	3.03	1802.86
0	0	12X	1.95	2	2	.25	.00	4.10	24.50	3021.00	12.00	.00	3.03	1549.23
0	0	14X	1.95	2	2	.25	.00	4.10	24.50	2712.00	12.06	.00	3.04	1390.77
0	0	14X	.21	2	2	.25	.00	4.10	24.50	406.56	11.90	.00	3.10	1936.01
0	0	14X	2.16	2	2	.25	.00	4.10	24.50	3063.00	12.03	.00	3.04	1418.06
0	0	15X	2.16	2	2	.25	.00	4.10	24.50	2676.00	12.17	.00	3.05	1238.89
0	0	15X	.22	2	2	.25	.00	4.10	24.50	210.35	12.41	.00	3.04	956.13
0	0	15X	2.38	2	2	.25	.00	4.10	24.50	2859.00	12.19	.00	3.05	1201.26
0	0	16X	2.38	2	2	.25	.00	4.10	24.50	2783.00	12.23	.00	3.05	1169.33
0	0	16X	.05	2	2	.25	.00	4.10	24.50	98.31	11.90	.00	3.03	1966.25
0	0	16X	2.43	2	2	.25	.00	4.10	24.50	2805.00	12.22	.00	3.05	1154.32
0	0	32X	7.26	2	2	.25	.00	4.10	24.50	7210.00	12.12	.00	3.07	993.11
0	0	4S	7.26	2	2	.25	.00	4.10	24.50	7210.00	12.12	.00	3.07	993.11
0	0	33X	7.26	2	2	.25	.00	4.10	24.50	6894.00	12.17	.00	3.06	949.59
0	0	33X	.09	2	2	.25	.00	4.10	24.50	176.06	11.90	.00	3.10	1956.25
0	0	33X	7.35	2	2	.25	.00	4.10	24.50	6964.00	12.15	.00	3.07	947.48
0	0	35X	7.35	2	2	.25	.00	4.10	24.50	6744.00	12.26	.00	3.06	917.55
0	0	35X	.10	2	2	.25	.00	4.10	24.50	193.56	11.90	.00	3.09	1935.62
0	0	35X	7.45	2	2	.25	.00	4.10	24.50	6794.00	12.25	.00	3.06	911.95
0	0	94X	.07	2	2	.25	.00	4.10	24.50	132.06	11.92	.00	3.05	1860.04
0	0	92X	.07	2	2	.25	.00	4.10	24.50	128.31	11.93	.00	3.05	1807.22

0	0	92X	.22	2	2	.25	.00	4.10	24.50	417.44	11.91	.00	3.09	1897.44
0	0	92X	.29	2	2	.25	.00	4.10	24.50	545.19	11.91	.00	3.08	1873.50
0	0	91X	.34	2	2	.25	.00	4.10	24.50	616.56	11.93	.00	3.07	1813.42
0	0	93X	.63	2	2	.25	.00	4.10	24.50	1167.00	11.92	.00	3.07	1849.45
0	0	36X	8.08	2	2	.25	.00	4.10	24.50	7186.00	12.17	.00	3.07	889.25
0	0	25S	8.08	2	2	.25	.00	4.10	24.50	7186.00	12.17	.00	3.07	889.25
0	0	37X	8.08	2	2	.25	.00	4.10	24.50	7078.00	12.22	.00	3.06	875.88
0	0	37X	.07	2	2	.25	.00	4.10	24.50	137.81	11.90	.00	3.10	1968.75
0	0	37X	8.15	2	2	.25	.00	4.10	24.50	7110.00	12.21	.00	3.06	872.29
0	0	39X	8.15	2	2	.25	.00	4.10	24.50	7003.00	12.29	.00	3.06	859.16
0	0	39X	.11	2	2	.25	.00	4.10	24.50	215.94	11.90	.00	3.07	1963.07
0	0	39X	8.26	2	2	.25	.00	4.10	24.50	7025.00	12.28	.00	3.06	850.38
0	0	17X	.06	2	2	.25	.00	4.10	24.50	112.25	11.92	.00	3.00	1870.83
0	0	18X	.06	2	2	.25	.00	4.10	24.50	103.75	11.97	.00	3.01	1729.17
0	0	18X	.51	2	2	.25	.00	4.10	24.50	872.25	11.96	.00	3.06	1710.29
0	0	18X	.57	2	2	.25	.00	4.10	24.50	976.50	11.97	.00	3.06	1713.16
0	0	20X	.57	2	2	.25	.00	4.10	24.50	924.38	11.99	.00	3.05	1621.71
0	0	20X	.07	2	2	.25	.00	4.10	24.50	137.69	11.90	.00	3.10	1966.96
0	0	20X	.64	2	2	.25	.00	4.10	24.50	1056.06	11.98	.00	3.06	1650.10
0	0	40X	8.90	2	2	.25	.00	4.10	24.50	7561.00	12.21	.00	3.06	849.46
0	0	1X	3.00	2	2	.25	.00	4.10	24.50	3806.00	12.19	.00	3.04	1268.67
0	0	36S	3.00	2	2	.25	.00	4.10	24.50	3806.00	12.19	.00	3.04	1268.67
0	0	2X	3.00	2	2	.25	.00	4.10	24.50	3665.00	12.23	.00	3.04	1221.67
0	0	2X	.10	2	2	.25	.00	4.10	24.50	197.19	11.89	.00	3.08	1971.87
0	0	2X	3.10	2	2	.25	.00	4.10	24.50	3706.00	12.22	.00	3.04	1195.48
0	0	3X	3.10	2	2	.25	.00	4.10	24.50	3532.00	12.28	.00	3.04	1139.35
0	0	3X	.16	2	2	.25	.00	4.10	24.50	309.69	11.90	.00	3.10	1935.55
0	0	3X	3.26	2	2	.25	.00	4.10	24.50	3579.00	12.26	.00	3.04	1097.85
0	0	4X	3.26	2	2	.25	.00	4.10	24.50	3463.00	12.31	.00	3.05	1062.27
0	0	4X	.13	2	2	.25	.00	4.10	24.50	247.19	11.91	.00	3.08	1901.44
0	0	4X	3.39	2	2	.25	.00	4.10	24.50	3494.00	12.30	.00	3.04	1030.68
0	0	5X	3.39	2	2	.25	.00	4.10	24.50	3343.87	12.42	.00	3.05	986.39
0	0	5X	.24	2	2	.25	.00	4.10	24.50	470.37	11.90	.00	3.08	1959.90
0	0	5X	3.63	2	2	.25	.00	4.10	24.50	3435.00	12.42	.00	3.05	946.28
0	0	6X	3.63	2	2	.25	.00	4.10	24.50	3368.19	12.46	.00	3.05	927.88
0	0	6X	.15	2	2	.25	.00	4.10	24.50	290.25	11.90	.00	3.05	1935.00
0	0	6X	3.78	2	2	.25	.00	4.10	24.50	3423.50	12.46	.00	3.05	905.69
0	0	41X	3.78	2	2	.25	.00	4.10	24.50	3338.94	12.50	.00	3.05	883.32
0	0	41X	.23	2	2	.25	.00	4.10	24.50	433.19	11.91	.00	3.03	1883.42
0	0	41X	4.01	2	2	.25	.00	4.10	24.50	3420.87	12.49	.00	3.05	853.09
0	0	141X	12.91	2	2	.25	.00	4.10	24.50	10632.00	12.28	.00	3.06	823.48
0	0	1S	12.91	2	2	.25	.00	4.10	24.50	10632.00	12.28	.00	3.06	823.48
0	0	43X	12.91	2	2	.25	.00	4.10	24.50	10591.00	12.35	.00	3.06	820.31
0	0	43X	.19	2	2	.25	.00	4.10	24.50	371.00	11.90	.00	3.11	1952.63
0	0	43X	13.10	2	2	.25	.00	4.10	24.50	10598.00	12.35	.00	3.06	808.95
0	0	143X	13.10	2	2	.25	.00	4.10	24.50	10595.00	12.36	.00	3.06	808.72
0	0	143X	.03	2	2	.25	.00	4.10	24.50	59.18	11.89	.00	3.03	1972.66
0	0	143X	13.13	2	2	.25	.00	4.10	24.50	10597.00	12.36	.00	3.06	807.02
0	0	21X	.32	2	2	.25	.00	3.80	24.50	524.12	11.94	.00	2.78	1637.89
0	0	22X	.32	2	2	.25	.00	3.80	24.50	477.69	11.99	.00	2.77	1492.77
0	0	22X	.20	2	2	.25	.00	3.80	24.50	355.31	11.90	.00	2.78	1776.56
0	0	22X	.52	2	2	.25	.00	3.80	24.50	823.00	11.95	.00	2.79	1582.69
0	0	26S	.52	2	2	.25	.00	3.80	24.50	823.00	11.95	.00	2.79	1582.69
0	0	23X	.52	2	2	.25	.00	3.80	24.50	765.19	11.99	.00	2.78	1471.51
0	0	23X	.08	2	2	.25	.00	3.80	24.50	143.12	11.90	.00	2.81	1789.06
0	0	23X	.60	2	2	.25	.00	3.80	24.50	902.38	11.97	.00	2.79	1503.96

0	0	51X	.08	2	2	.25	.00	3.80	24.50	137.50	11.91	.00	2.78	1718.75
0	0	52X	.08	2	2	.25	.00	3.80	24.50	132.94	11.93	.00	2.77	1661.72
0	0	52X	.10	2	2	.25	.00	3.80	24.50	177.81	11.90	.00	2.81	1778.12
0	0	52X	.18	2	2	.25	.00	3.80	24.50	310.00	11.91	.00	2.79	1722.22
0	0	53X	.18	2	2	.25	.00	3.80	24.50	299.56	11.93	.00	2.79	1664.24
0	0	53X	.15	2	2	.25	.00	3.80	24.50	268.06	11.90	.00	2.83	1787.08
0	0	53X	.33	2	2	.25	.00	3.80	24.50	564.44	11.92	.00	2.81	1710.42
0	0	54X	.33	2	2	.25	.00	3.80	24.50	524.81	11.96	.00	2.80	1590.34
0	0	54X	.11	2	2	.25	.00	3.80	24.50	197.19	11.90	.00	2.78	1792.61
0	0	54X	.44	2	2	.25	.00	3.80	24.50	717.69	11.95	.00	2.80	1631.11
0	0	7X	1.04	2	2	.25	.00	3.80	24.50	1622.00	11.96	.00	2.79	1559.62
0	0	12S	1.04	2	2	.25	.00	3.80	24.50	1622.00	11.96	.00	2.79	1559.62
0	0	25X	1.04	2	2	.25	.00	3.80	24.50	1511.00	12.00	.00	2.79	1452.88
0	0	25X	.11	2	2	.25	.00	3.80	24.50	196.19	11.90	.00	2.77	1783.52
0	0	25X	1.15	2	2	.25	.00	3.80	24.50	1696.00	11.99	.00	2.79	1474.78
0	0	61X	.24	2	2	.25	.00	3.80	24.50	389.81	11.94	.00	2.74	1624.22
0	0	30S	.24	2	2	.25	.00	3.80	24.50	389.81	11.94	.00	2.74	1624.22
0	0	62X	.24	2	2	.25	.00	3.80	24.50	351.69	12.00	.00	2.75	1465.36
0	0	62X	.22	2	2	.25	.00	3.80	24.50	386.63	11.90	.00	2.76	1757.39
0	0	62X	.46	2	2	.25	.00	3.80	24.50	726.50	11.95	.00	2.76	1579.35
0	0	26X	1.61	2	2	.25	.00	3.80	24.50	2417.00	11.97	.00	2.79	1501.24
0	0	65X	.28	2	2	.25	.00	3.80	24.50	473.38	11.92	.00	2.79	1690.62
0	0	66X	.28	2	2	.25	.00	3.80	24.50	437.12	11.97	.00	2.78	1561.16
0	0	66X	.08	2	2	.25	.00	3.80	24.50	142.44	11.90	.00	2.81	1780.47
0	0	66X	.36	2	2	.25	.00	3.80	24.50	576.25	11.95	.00	2.79	1600.69
0	0	8X	1.97	2	2	.25	.00	3.80	24.50	2991.00	11.97	.00	2.79	1518.27
0	0	11S	1.97	2	2	.25	.00	3.80	24.50	2991.00	11.97	.00	2.79	1518.27
0	0	28X	1.97	2	2	.25	.00	3.80	24.50	2468.00	12.17	.00	2.78	1252.79
0	0	28X	.33	2	2	.25	.00	3.80	24.50	578.56	11.90	.00	2.81	1753.22
0	0	28X	2.30	2	2	.25	.00	3.80	24.50	2833.00	12.09	.00	2.78	1231.74
0	0	72X	.18	2	2	.25	.00	3.80	24.50	309.38	11.91	.00	2.79	1718.75
0	0	73X	.18	2	2	.25	.00	3.80	24.50	294.37	11.94	.00	2.79	1635.42
0	0	73X	.16	2	2	.25	.00	3.80	24.50	285.06	11.90	.00	2.82	1781.64
0	0	73X	.34	2	2	.25	.00	3.80	24.50	575.19	11.92	.00	2.80	1691.73
0	0	71X	.16	2	2	.25	.00	3.80	24.50	258.06	11.95	.00	2.73	1612.89
0	0	74X	.50	2	2	.25	.00	3.80	24.50	833.81	11.93	.00	2.79	1667.62
0	0	37S	.50	2	2	.25	.00	3.80	24.50	833.81	11.93	.00	2.79	1667.62
0	0	29X	2.80	2	2	.25	.00	3.80	24.50	3559.00	12.04	.00	2.78	1271.07
0	0	30X	2.80	2	2	.25	.00	3.80	24.50	3118.00	12.14	.00	2.78	1113.57
0	0	30X	.09	2	2	.25	.00	3.80	24.50	161.31	11.90	.00	2.82	1792.36
0	0	30X	2.89	2	2	.25	.00	3.80	24.50	3288.00	12.12	.00	2.78	1137.72
0	0	81X	1.06	2	2	.25	.00	3.80	24.50	1872.00	11.90	.00	2.82	1766.04
0	0	14S	1.06	2	2	.25	.00	3.80	24.50	1872.00	11.90	.00	2.82	1766.04
0	0	82X	1.06	2	2	.25	.00	3.80	24.50	1731.00	11.96	.00	2.80	1633.02
0	0	82X	.42	2	2	.25	.00	3.80	24.50	744.88	11.90	.00	2.78	1773.51
0	0	82X	1.48	2	2	.25	.00	3.80	24.50	2466.00	11.94	.00	2.81	1666.22
0	0	84X	1.48	2	2	.25	.00	3.80	24.50	2353.00	11.96	.00	2.81	1589.87
0	0	84X	.14	2	2	.25	.00	3.80	24.50	249.12	11.90	.00	2.77	1779.46
0	0	84X	1.62	2	2	.25	.00	3.80	24.50	2594.00	11.96	.00	2.81	1601.24
0	0	7S	1.62	2	2	.25	.00	3.80	24.50	486.72	12.61	1924.29	2.79	300.44
0	0	85X	1.62	2	2	.25	.00	3.80	24.50	486.70	12.78	.00	2.79	300.43
0	0	85X	.32	2	2	.25	.00	3.80	24.50	531.87	11.93	.00	2.78	1662.11
0	0	85X	1.94	2	2	.25	.00	3.80	24.50	931.00	11.98	.00	2.79	479.90
0	0	31X	4.83	2	2	.25	.00	3.80	24.50	4157.00	12.08	.00	2.79	860.66
0	0	11X	1.25	2	2	.25	.00	3.80	24.50	1764.00	12.02	.00	2.76	1411.20
0	0	6S	1.25	2	2	.25	.00	3.80	24.50	1764.00	12.02	.00	2.76	1411.20

0	0	12X	1.25	2	2	.25	.00	3.80	24.50	1656.00	12.05	.00	2.76	1324.80
0	0	12X	.70	2	2	.25	.00	3.80	24.50	1148.00	11.94	.00	2.78	1640.00
0	0	12X	1.95	2	2	.25	.00	3.80	24.50	2748.00	12.00	.00	2.77	1409.23
0	0	14X	1.95	2	2	.25	.00	3.80	24.50	2462.00	12.06	.00	2.76	1262.56
0	0	14X	.21	2	2	.25	.00	3.80	24.50	371.31	11.90	.00	2.77	1768.15
0	0	14X	2.16	2	2	.25	.00	3.80	24.50	2783.00	12.03	.00	2.77	1288.43
0	0	15X	2.16	2	2	.25	.00	3.80	24.50	2430.00	12.17	.00	2.76	1125.00
0	0	15X	.22	2	2	.25	.00	3.80	24.50	191.09	12.41	.00	2.76	868.61
0	0	15X	2.38	2	2	.25	.00	3.80	24.50	2597.00	12.19	.00	2.76	1091.18
0	0	16X	2.38	2	2	.25	.00	3.80	24.50	2527.00	12.23	.00	2.76	1061.77
0	0	16X	.05	2	2	.25	.00	3.80	24.50	89.69	11.90	.00	2.79	1793.75
0	0	16X	2.43	2	2	.25	.00	3.80	24.50	2547.00	12.22	.00	2.76	1048.15
0	0	32X	7.26	2	2	.25	.00	3.80	24.50	6592.00	12.12	.00	2.78	907.99
0	0	4S	7.26	2	2	.25	.00	3.80	24.50	6592.00	12.12	.00	2.78	907.99
0	0	33X	7.26	2	2	.25	.00	3.80	24.50	6293.00	12.17	.00	2.78	866.80
0	0	33X	.09	2	2	.25	.00	3.80	24.50	160.62	11.90	.00	2.81	1784.72
0	0	33X	7.35	2	2	.25	.00	3.80	24.50	6347.00	12.16	.00	2.78	863.54
0	0	35X	7.35	2	2	.25	.00	3.80	24.50	6167.00	12.26	.00	2.78	839.05
0	0	35X	.10	2	2	.25	.00	3.80	24.50	176.31	11.90	.00	2.80	1763.12
0	0	35X	7.45	2	2	.25	.00	3.80	24.50	6196.00	12.25	.00	2.78	831.68
0	0	94X	.07	2	2	.25	.00	3.80	24.50	120.25	11.92	.00	2.72	1693.66
0	0	92X	.07	2	2	.25	.00	3.80	24.50	116.94	11.94	.00	2.72	1647.01
0	0	92X	.22	2	2	.25	.00	3.80	24.50	381.88	11.91	.00	2.75	1735.80
0	0	92X	.29	2	2	.25	.00	3.80	24.50	497.44	11.91	.00	2.74	1709.41
0	0	91X	.34	2	2	.25	.00	3.80	24.50	558.69	11.93	.00	2.78	1643.20
0	0	93X	.63	2	2	.25	.00	3.80	24.50	1060.69	11.92	.00	2.79	1680.96
0	0	36X	8.08	2	2	.25	.00	3.80	24.50	6543.00	12.17	.00	2.78	809.68
0	0	25S	8.08	2	2	.25	.00	3.80	24.50	6543.00	12.17	.00	2.78	809.68
0	0	37X	8.08	2	2	.25	.00	3.80	24.50	6473.00	12.23	.00	2.78	801.02
0	0	37X	.07	2	2	.25	.00	3.80	24.50	125.75	11.90	.00	2.77	1796.43
0	0	37X	8.15	2	2	.25	.00	3.80	24.50	6500.00	12.22	.00	2.78	797.45
0	0	39X	8.15	2	2	.25	.00	3.80	24.50	6396.00	12.29	.00	2.78	784.69
0	0	39X	.11	2	2	.25	.00	3.80	24.50	197.00	11.90	.00	2.78	1790.91
0	0	39X	8.26	2	2	.25	.00	3.80	24.50	6418.00	12.29	.00	2.78	776.90
0	0	17X	.06	2	2	.25	.00	3.80	24.50	102.25	11.92	.00	2.71	1704.17
0	0	18X	.06	2	2	.25	.00	3.80	24.50	94.44	11.97	.00	2.72	1573.96
0	0	18X	.51	2	2	.25	.00	3.80	24.50	792.00	11.97	.00	2.74	1552.94
0	0	18X	.57	2	2	.25	.00	3.80	24.50	888.44	11.97	.00	2.74	1558.66
0	0	20X	.57	2	2	.25	.00	3.80	24.50	839.12	11.99	.00	2.74	1472.15
0	0	20X	.07	2	2	.25	.00	3.80	24.50	125.81	11.90	.00	2.77	1797.32
0	0	20X	.64	2	2	.25	.00	3.80	24.50	960.75	11.98	.00	2.75	1501.17
0	0	40X	8.90	2	2	.25	.00	3.80	24.50	6889.00	12.22	.00	2.78	773.96
0	0	1X	3.00	2	2	.25	.00	3.80	24.50	3456.00	12.19	.00	2.75	1152.00
0	0	36S	3.00	2	2	.25	.00	3.80	24.50	3456.00	12.19	.00	2.75	1152.00
0	0	2X	3.00	2	2	.25	.00	3.80	24.50	3326.00	12.23	.00	2.75	1108.67
0	0	2X	.10	2	2	.25	.00	3.80	24.50	180.00	11.90	.00	2.82	1800.00
0	0	2X	3.10	2	2	.25	.00	3.80	24.50	3365.00	12.22	.00	2.76	1085.48
0	0	3X	3.10	2	2	.25	.00	3.80	24.50	3207.00	12.28	.00	2.76	1034.52
0	0	3X	.16	2	2	.25	.00	3.80	24.50	282.00	11.90	.00	2.81	1762.50
0	0	3X	3.26	2	2	.25	.00	3.80	24.50	3249.00	12.27	.00	2.76	996.63
0	0	4X	3.26	2	2	.25	.00	3.80	24.50	3139.00	12.32	.00	2.76	962.88
0	0	4X	.13	2	2	.25	.00	3.80	24.50	225.00	11.91	.00	2.79	1730.77
0	0	4X	3.39	2	2	.25	.00	3.80	24.50	3172.00	12.30	.00	2.76	935.69
0	0	5X	3.39	2	2	.25	.00	3.80	24.50	3037.12	12.43	.00	2.76	895.91
0	0	5X	.24	2	2	.25	.00	3.80	24.50	427.69	11.90	.00	2.83	1782.03
0	0	5X	3.63	2	2	.25	.00	3.80	24.50	3118.94	12.42	.00	2.76	859.21

0	0	6X	3.63	2	2	.25	.00	3.80	24.50	3058.37	12.46	.00	2.76	842.53
0	0	6X	.15	2	2	.25	.00	3.80	24.50	264.62	11.90	.00	2.76	1764.17
0	0	6X	3.78	2	2	.25	.00	3.80	24.50	3109.69	12.46	.00	2.77	822.67
0	0	41X	3.78	2	2	.25	.00	3.80	24.50	3034.00	12.51	.00	2.76	802.65
0	0	41X	.23	2	2	.25	.00	3.80	24.50	394.44	11.91	.00	2.75	1714.95
0	0	41X	4.01	2	2	.25	.00	3.80	24.50	3104.31	12.50	.00	2.77	774.14
0	0	141X	12.91	2	2	.25	.00	3.80	24.50	9705.00	12.29	.00	2.77	751.69
0	0	1S	12.91	2	2	.25	.00	3.80	24.50	9705.00	12.29	.00	2.77	751.69
0	0	43X	12.91	2	2	.25	.00	3.80	24.50	9649.00	12.36	.00	2.77	747.35
0	0	43X	.19	2	2	.25	.00	3.80	24.50	338.50	11.90	.00	2.78	1781.58
0	0	43X	13.10	2	2	.25	.00	3.80	24.50	9673.00	12.35	.00	2.77	738.34
0	0	143X	13.10	2	2	.25	.00	3.80	24.50	9656.00	12.37	.00	2.77	737.04
0	0	143X	.03	2	2	.25	.00	3.80	24.50	54.00	11.90	.00	2.76	1800.00
0	0	143X	13.13	2	2	.25	.00	3.80	24.50	9647.00	12.37	.00	2.77	734.67
0	0	21X	.32	2	2	.25	.00	3.40	24.50	455.19	11.94	.00	2.40	1422.46
0	0	22X	.32	2	2	.25	.00	3.40	24.50	414.13	11.99	.00	2.39	1294.14
0	0	22X	.20	2	2	.25	.00	3.40	24.50	309.62	11.90	.00	2.44	1548.12
0	0	22X	.52	2	2	.25	.00	3.40	24.50	712.12	11.95	.00	2.41	1369.47
0	0	26S	.52	2	2	.25	.00	3.40	24.50	712.12	11.95	.00	2.41	1369.47
0	0	23X	.52	2	2	.25	.00	3.40	24.50	663.00	11.99	.00	2.40	1275.00
0	0	23X	.08	2	2	.25	.00	3.40	24.50	125.00	11.90	.00	2.39	1562.50
0	0	23X	.60	2	2	.25	.00	3.40	24.50	782.75	11.98	.00	2.41	1304.58
0	0	51X	.08	2	2	.25	.00	3.40	24.50	119.81	11.92	.00	2.39	1497.66
0	0	52X	.08	2	2	.25	.00	3.40	24.50	115.50	11.93	.00	2.38	1443.75
0	0	52X	.10	2	2	.25	.00	3.40	24.50	154.94	11.90	.00	2.38	1549.37
0	0	52X	.18	2	2	.25	.00	3.40	24.50	270.00	11.92	.00	2.37	1500.00
0	0	53X	.18	2	2	.25	.00	3.40	24.50	260.62	11.94	.00	2.37	1447.92
0	0	53X	.15	2	2	.25	.00	3.40	24.50	233.69	11.90	.00	2.40	1557.92
0	0	53X	.33	2	2	.25	.00	3.40	24.50	490.81	11.92	.00	2.39	1487.31
0	0	54X	.33	2	2	.25	.00	3.40	24.50	454.69	11.97	.00	2.39	1377.84
0	0	54X	.11	2	2	.25	.00	3.40	24.50	172.06	11.90	.00	2.44	1564.20
0	0	54X	.44	2	2	.25	.00	3.40	24.50	624.44	11.95	.00	2.40	1419.18
0	0	7X	1.04	2	2	.25	.00	3.40	24.50	1412.00	11.96	.00	2.41	1357.69
0	0	12S	1.04	2	2	.25	.00	3.40	24.50	1412.00	11.96	.00	2.41	1357.69
0	0	25X	1.04	2	2	.25	.00	3.40	24.50	1314.00	12.00	.00	2.41	1263.46
0	0	25X	.11	2	2	.25	.00	3.40	24.50	170.75	11.90	.00	2.44	1552.27
0	0	25X	1.15	2	2	.25	.00	3.40	24.50	1472.00	11.99	.00	2.41	1280.00
0	0	61X	.24	2	2	.25	.00	3.40	24.50	338.81	11.94	.00	2.36	1411.72
0	0	30S	.24	2	2	.25	.00	3.40	24.50	338.81	11.94	.00	2.36	1411.72
0	0	62X	.24	2	2	.25	.00	3.40	24.50	304.25	12.00	.00	2.37	1267.71
0	0	62X	.22	2	2	.25	.00	3.40	24.50	336.31	11.91	.00	2.38	1528.69
0	0	62X	.46	2	2	.25	.00	3.40	24.50	629.37	11.95	.00	2.38	1368.21
0	0	26X	1.61	2	2	.25	.00	3.40	24.50	2100.00	11.98	.00	2.41	1304.35
0	0	65X	.28	2	2	.25	.00	3.40	24.50	411.00	11.92	.00	2.41	1467.86
0	0	66X	.28	2	2	.25	.00	3.40	24.50	378.87	11.97	.00	2.40	1353.12
0	0	66X	.08	2	2	.25	.00	3.40	24.50	124.31	11.90	.00	2.38	1553.91
0	0	66X	.36	2	2	.25	.00	3.40	24.50	499.13	11.95	.00	2.40	1386.46
0	0	8X	1.97	2	2	.25	.00	3.40	24.50	2598.00	11.97	.00	2.41	1318.78
0	0	11S	1.97	2	2	.25	.00	3.40	24.50	2598.00	11.97	.00	2.41	1318.78
0	0	28X	1.97	2	2	.25	.00	3.40	24.50	2143.00	12.17	.00	2.40	1087.82
0	0	28X	.33	2	2	.25	.00	3.40	24.50	504.31	11.91	.00	2.43	1528.22
0	0	28X	2.30	2	2	.25	.00	3.40	24.50	2454.00	12.09	.00	2.40	1066.96
0	0	72X	.18	2	2	.25	.00	3.40	24.50	268.87	11.92	.00	2.41	1493.75
0	0	73X	.18	2	2	.25	.00	3.40	24.50	255.69	11.94	.00	2.41	1420.49
0	0	73X	.16	2	2	.25	.00	3.40	24.50	248.50	11.90	.00	2.40	1553.12
0	0	73X	.34	2	2	.25	.00	3.40	24.50	501.69	11.92	.00	2.42	1475.55

0	0	71X	.16	2	2	.25	.00	3.40	24.50	224.06	11.95	.00	2.35	1400.39
0	0	74X	.50	2	2	.25	.00	3.40	24.50	725.38	11.93	.00	2.41	1450.75
0	0	37S	.50	2	2	.25	.00	3.40	24.50	725.38	11.93	.00	2.41	1450.75
0	0	29X	2.80	2	2	.25	.00	3.40	24.50	3088.00	12.04	.00	2.40	1102.86
0	0	30X	2.80	2	2	.25	.00	3.40	24.50	2706.00	12.14	.00	2.40	966.43
0	0	30X	.09	2	2	.25	.00	3.40	24.50	140.87	11.90	.00	2.44	1565.28
0	0	30X	2.89	2	2	.25	.00	3.40	24.50	2849.00	12.12	.00	2.40	985.81
0	0	81X	1.06	2	2	.25	.00	3.40	24.50	1629.00	11.91	.00	2.43	1536.79
0	0	14S	1.06	2	2	.25	.00	3.40	24.50	1629.00	11.91	.00	2.43	1536.79
0	0	82X	1.06	2	2	.25	.00	3.40	24.50	1505.00	11.96	.00	2.42	1419.81
0	0	82X	.42	2	2	.25	.00	3.40	24.50	646.50	11.90	.00	2.40	1539.29
0	0	82X	1.48	2	2	.25	.00	3.40	24.50	2145.00	11.94	.00	2.43	1449.32
0	0	84X	1.48	2	2	.25	.00	3.40	24.50	2045.00	11.96	.00	2.42	1381.76
0	0	84X	.14	2	2	.25	.00	3.40	24.50	217.00	11.90	.00	2.44	1550.00
0	0	84X	1.62	2	2	.25	.00	3.40	24.50	2258.00	11.96	.00	2.43	1393.83
0	0	7S	1.62	2	2	.25	.00	3.40	24.50	473.81	12.57	1922.28	2.42	292.47
0	0	85X	1.62	2	2	.25	.00	3.40	24.50	473.41	12.72	.00	2.41	292.23
0	0	85X	.32	2	2	.25	.00	3.40	24.50	461.00	11.93	.00	2.40	1440.62
0	0	85X	1.94	2	2	.25	.00	3.40	24.50	847.87	11.99	.00	2.41	437.05
0	0	31X	4.83	2	2	.25	.00	3.40	24.50	3649.00	12.09	.00	2.41	755.49
0	0	11X	1.25	2	2	.25	.00	3.40	24.50	1529.00	12.02	.00	2.38	1223.20
0	0	6S	1.25	2	2	.25	.00	3.40	24.50	1529.00	12.02	.00	2.38	1223.20
0	0	12X	1.25	2	2	.25	.00	3.40	24.50	1431.00	12.05	.00	2.38	1144.80
0	0	12X	.70	2	2	.25	.00	3.40	24.50	995.13	11.94	.00	2.40	1421.61
0	0	12X	1.95	2	2	.25	.00	3.40	24.50	2381.00	12.00	.00	2.39	1221.03
0	0	14X	1.95	2	2	.25	.00	3.40	24.50	2132.00	12.06	.00	2.38	1093.33
0	0	14X	.21	2	2	.25	.00	3.40	24.50	323.50	11.90	.00	2.39	1540.48
0	0	14X	2.16	2	2	.25	.00	3.40	24.50	2407.00	12.03	.00	2.39	1114.35
0	0	15X	2.16	2	2	.25	.00	3.40	24.50	2103.00	12.18	.00	2.38	973.61
0	0	15X	.22	2	2	.25	.00	3.40	24.50	165.15	12.42	.00	2.37	750.69
0	0	15X	2.38	2	2	.25	.00	3.40	24.50	2246.00	12.19	.00	2.38	943.70
0	0	16X	2.38	2	2	.25	.00	3.40	24.50	2188.00	12.23	.00	2.38	919.33
0	0	16X	.05	2	2	.25	.00	3.40	24.50	78.19	11.90	.00	2.41	1563.75
0	0	16X	2.43	2	2	.25	.00	3.40	24.50	2203.56	12.22	.00	2.38	906.82
0	0	32X	7.26	2	2	.25	.00	3.40	24.50	5592.00	12.13	.00	2.40	770.25
0	0	4S	7.26	2	2	.25	.00	3.40	24.50	5592.00	12.13	.00	2.40	770.25
0	0	33X	7.26	2	2	.25	.00	3.40	24.50	5494.00	12.18	.00	2.40	756.75
0	0	33X	.09	2	2	.25	.00	3.40	24.50	140.06	11.90	.00	2.43	1556.25
0	0	33X	7.35	2	2	.25	.00	3.40	24.50	5530.00	12.16	.00	2.40	752.38
0	0	35X	7.35	2	2	.25	.00	3.40	24.50	5371.00	12.27	.00	2.40	730.75
0	0	35X	.10	2	2	.25	.00	3.40	24.50	153.44	11.91	.00	2.37	1534.37
0	0	35X	7.45	2	2	.25	.00	3.40	24.50	5402.00	12.26	.00	2.40	725.10
0	0	94X	.07	2	2	.25	.00	3.40	24.50	104.44	11.93	.00	2.38	1470.95
0	0	92X	.07	2	2	.25	.00	3.40	24.50	101.56	11.94	.00	2.38	1430.46
0	0	92X	.22	2	2	.25	.00	3.40	24.50	332.69	11.91	.00	2.37	1512.22
0	0	92X	.29	2	2	.25	.00	3.40	24.50	432.44	11.92	.00	2.36	1486.04
0	0	91X	.34	2	2	.25	.00	3.40	24.50	484.69	11.94	.00	2.40	1425.55
0	0	93X	.63	2	2	.25	.00	3.40	24.50	922.63	11.93	.00	2.41	1462.16
0	0	36X	8.08	2	2	.25	.00	3.40	24.50	5711.00	12.18	.00	2.40	706.72
0	0	25S	8.08	2	2	.25	.00	3.40	24.50	5711.00	12.18	.00	2.40	706.72
0	0	37X	8.08	2	2	.25	.00	3.40	24.50	5637.00	12.23	.00	2.40	697.56
0	0	37X	.07	2	2	.25	.00	3.40	24.50	109.81	11.90	.00	2.43	1568.75
0	0	37X	8.15	2	2	.25	.00	3.40	24.50	5664.00	12.22	.00	2.40	694.88
0	0	39X	8.15	2	2	.25	.00	3.40	24.50	5556.00	12.30	.00	2.40	681.63
0	0	39X	.11	2	2	.25	.00	3.40	24.50	171.75	11.90	.00	2.44	1561.36
0	0	39X	8.26	2	2	.25	.00	3.40	24.50	5585.00	12.29	.00	2.40	676.07

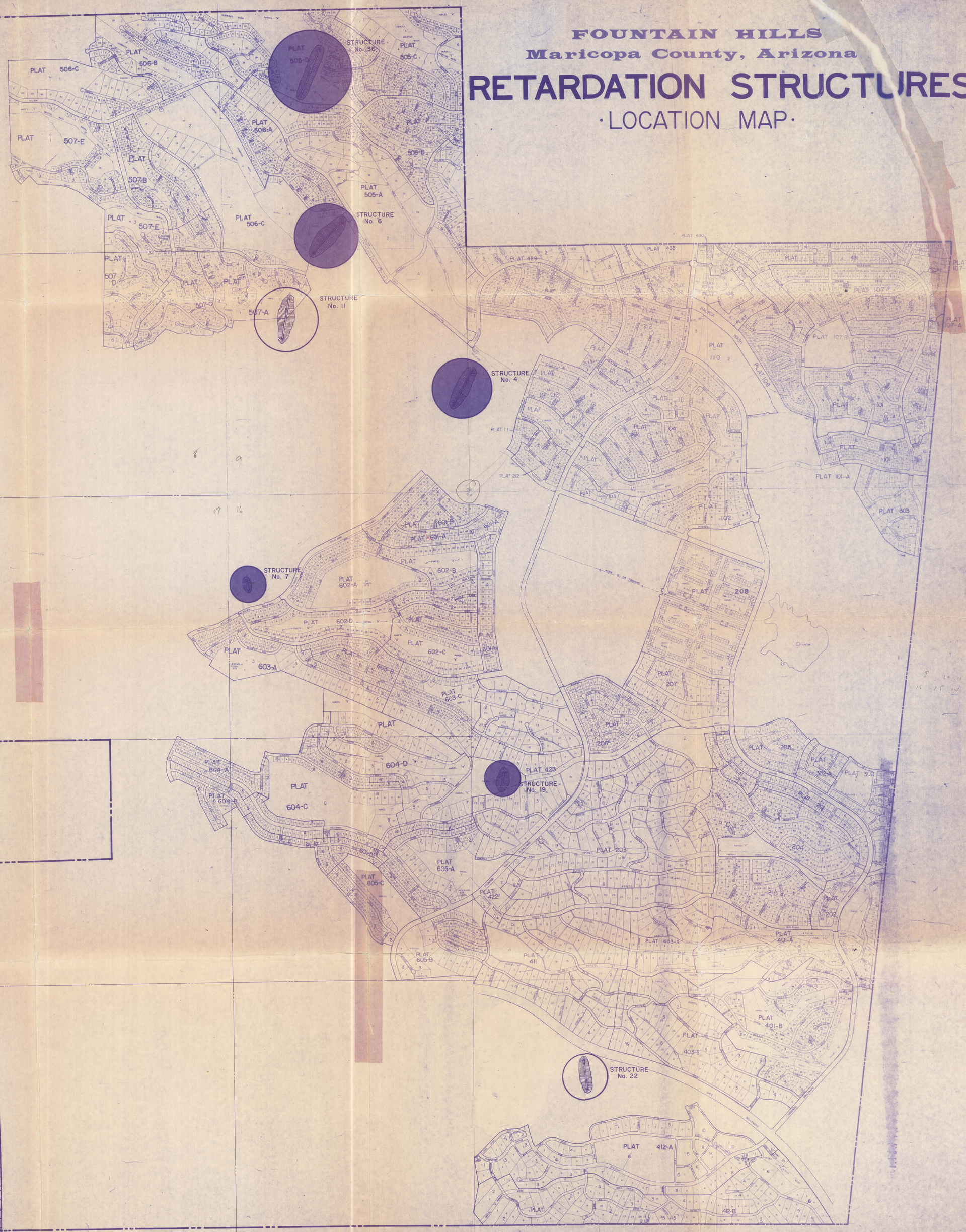
0	0	17X	.06	2	2	.25	.00	3.40	24.50	89.12	11.92	.00	2.33	1485.42
0	0	18X	.06	2	2	.25	.00	3.40	24.50	81.87	11.97	.00	2.34	1364.58
0	0	18X	.51	2	2	.25	.00	3.40	24.50	685.81	11.97	.00	2.36	1344.73
0	0	18X	.57	2	2	.25	.00	3.40	24.50	768.19	11.97	.00	2.36	1347.70
0	0	20X	.57	2	2	.25	.00	3.40	24.50	724.19	11.99	.00	2.36	1270.50
0	0	20X	.07	2	2	.25	.00	3.40	24.50	109.75	11.90	.00	2.43	1567.86
0	0	20X	.64	2	2	.25	.00	3.40	24.50	831.06	11.98	.00	2.37	1298.54
0	0	40X	8.90	2	2	.25	.00	3.40	24.50	6016.00	12.23	.00	2.40	675.88
0	0	1X	3.00	2	2	.25	.00	3.40	24.50	2992.00	12.19	.00	2.38	997.33
0	0	36S	3.00	2	2	.25	.00	3.40	24.50	2992.00	12.19	.00	2.38	997.33
0	0	2X	3.00	2	2	.25	.00	3.40	24.50	2879.00	12.24	.00	2.38	959.67
0	0	2X	.10	2	2	.25	.00	3.40	24.50	157.19	11.90	.00	2.41	1571.87
0	0	2X	3.10	2	2	.25	.00	3.40	24.50	2912.00	12.22	.00	2.38	939.35
0	0	3X	3.10	2	2	.25	.00	3.40	24.50	2772.00	12.29	.00	2.38	894.19
0	0	3X	.16	2	2	.25	.00	3.40	24.50	245.63	11.91	.00	2.38	1535.16
0	0	3X	3.26	2	2	.25	.00	3.40	24.50	2810.00	12.27	.00	2.38	861.96
0	0	4X	3.26	2	2	.25	.00	3.40	24.50	2715.00	12.32	.00	2.38	832.82
0	0	4X	.13	2	2	.25	.00	3.40	24.50	195.62	11.91	.00	2.41	1504.81
0	0	4X	3.39	2	2	.25	.00	3.40	24.50	2742.94	12.31	.00	2.38	809.13
0	0	5X	3.39	2	2	.25	.00	3.40	24.50	2625.37	12.43	.00	2.38	774.45
0	0	5X	.24	2	2	.25	.00	3.40	24.50	373.62	11.90	.00	2.41	1556.77
0	0	5X	3.63	2	2	.25	.00	3.40	24.50	2699.56	12.43	.00	2.38	743.68
0	0	6X	3.63	2	2	.25	.00	3.40	24.50	2643.31	12.47	.00	2.38	728.19
0	0	6X	.15	2	2	.25	.00	3.40	24.50	230.44	11.91	.00	2.42	1536.25
0	0	6X	3.78	2	2	.25	.00	3.40	24.50	2689.31	12.46	.00	2.39	711.46
0	0	41X	3.78	2	2	.25	.00	3.40	24.50	2621.12	12.51	.00	2.38	693.42
0	0	41X	.23	2	2	.25	.00	3.40	24.50	343.75	11.92	.00	2.37	1494.56
0	0	41X	4.01	2	2	.25	.00	3.40	24.50	2684.25	12.50	.00	2.39	669.39
0	0	141X	12.91	2	2	.25	.00	3.40	24.50	8426.00	12.30	.00	2.39	652.62
0	0	1S	12.91	2	2	.25	.00	3.40	24.50	8426.00	12.30	.00	2.39	652.62
0	0	43X	12.91	2	2	.25	.00	3.40	24.50	8384.00	12.36	.00	2.39	649.37
0	0	43X	.19	2	2	.25	.00	3.40	24.50	294.81	11.90	.00	2.44	1551.64
0	0	43X	13.10	2	2	.25	.00	3.40	24.50	8409.00	12.36	.00	2.39	641.86
0	0	143X	13.10	2	2	.25	.00	3.40	24.50	8384.00	12.37	.00	2.39	639.95
0	0	143X	.03	2	2	.25	.00	3.40	24.50	47.02	11.90	.00	2.38	1567.45
0	0	143X	13.13	2	2	.25	.00	3.40	24.50	8402.00	12.37	.00	2.39	639.86

'X' OR 'S' FOLLOWING THE ID REPRESENTS CROSS-SECTION OR STRUCTURE, RESPECTIVELY.

SUMMARY TABLE 3

	DISCHARGE,CFS									
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
STRUCTURE NO. 0 *EXIT*										

FOUNTAIN HILLS
Maricopa County, Arizona
RETARDATION STRUCTURES
·LOCATION MAP·



·LEGEND·

CONSTRUCTED STRUCTURE

PROPOSED STRUCTURE

FOUNTAIN HILLS RETARDATION STRUCTURES

FILE NO. 74 MPIF P 7-169	TRICO INTERNATIONAL INC. CIVIL ENGINEERING TEMPE, ARIZONA	SHEET NO. 1
DRAWN BY B S	LOCATION MAP	SHEET 1 OF 1
SCALE 1" = 800'		
DATE 7-18-74		
APPROVED		
CHECKED		
F.B. REF.		

NO.	DATE	BY	REVISIONS & REMARKS
1.			
2.			
3.			
4.			
5.			
6.			
7.			

A250.907 Fountain Hills Original Hydrologic Data

1 large map is not scanned because it's too big, please see originals

thanks