

**SacCalc Model Data**

**For**

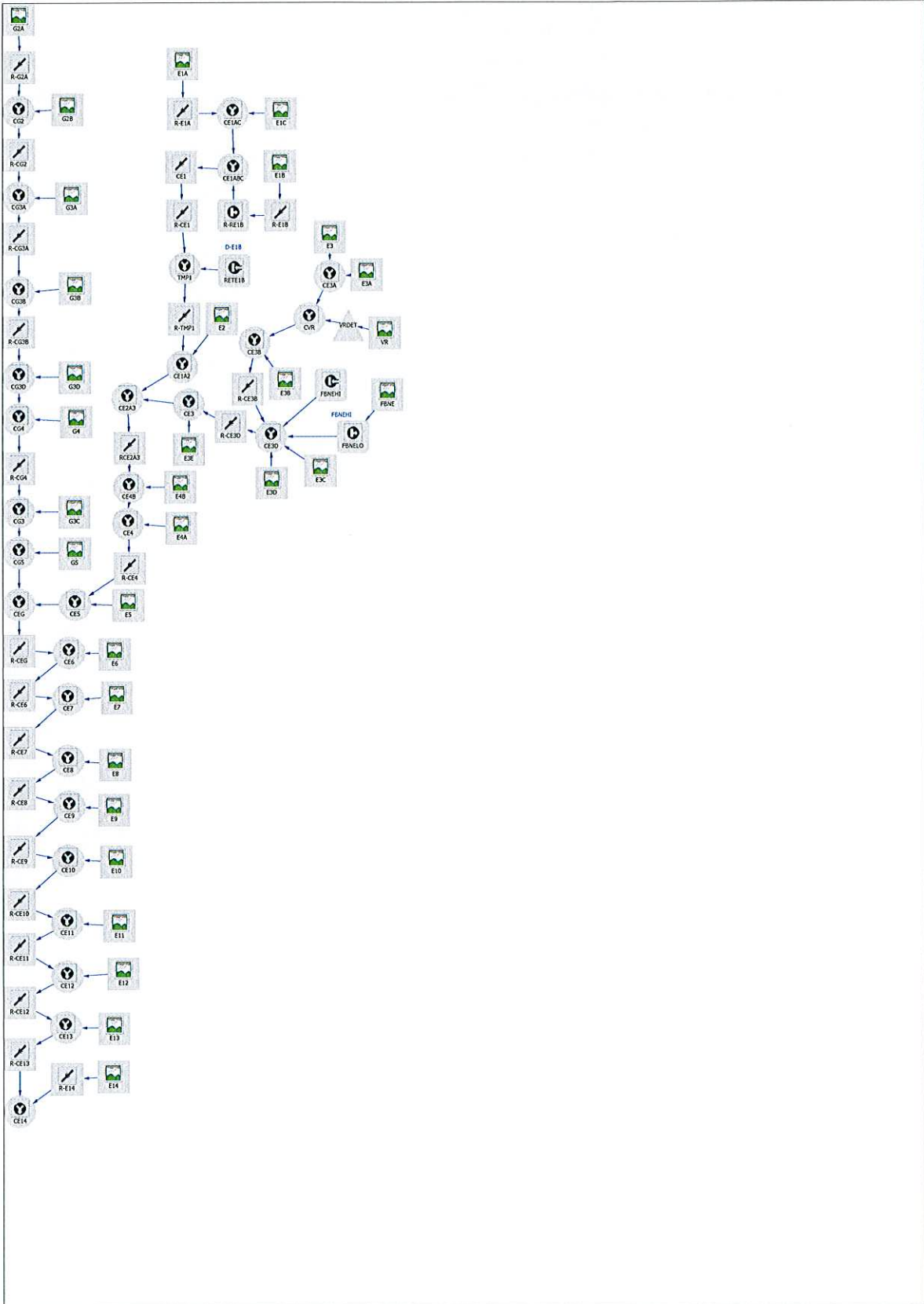
**Elder and Gerber Creeks – Interim Post**

**Model Schematic Layout**

**Peak Flow Summary**

**Report**

Vintage Ranch and Florin-Bradshaw developments



**Sacramento method results**  
**(Project: Vintage Ranch and Florin-Bradshaw developments)**  
**(100-year, 1-day rainfall)**

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
G2A	375.	14:04	1.29			
R-G2A	270.	17:03	1.29	.0	14.	
G2B	238.	13:22	.63			
CG2	328.	16:38	1.92			
R-CG2	327.	17:07	1.92	.0	2.5	
G3A	286.	13:29	.80			
CG3A	551.	13:38	2.71			
R-CG3A	475.	15:09	2.71	.0	7.5	
G3B	74.	12:47	.13			
CG3B	494.	15:07	2.85			
R-CG3B	494.	15:19	2.85	.0	1.8	
G3D	189.	13:45	.57			
CG3D	609.	15:04	3.42			
G4	145.	13:15	.35			
CG4	674.	14:54	3.78			
R-CG4	669.	15:32	3.78	.0	5.1	
G3C	134.	12:45	.24			
CG3	698.	15:26	4.01			
G5	156.	13:19	.39			
CG5	764.	15:13	4.41			
E2	264.	14:19	.97			
E1A	456.	13:42	1.38			
R-E1A	379.	15:19	1.38	.0	7.8	
E1C	477.	13:31	1.34			
CE1AC	705.	13:44	2.73			
E1B	351.	14:32	1.38			
R-E1B	276.	15:30	1.38			
R-RE1B	40.	14:31	1.38			114.54
CE1ABC	745.	13:44	4.10			
CE1	637.	17:01	4.10	.0	20.	
R-CE1	635.	17:26	4.10	.0	5.3	
RETE1B	236.	15:30	.00			
TMP1	826.	16:53	4.10			
R-TMP1	753.	19:42	4.10	.0	36.	
CE1A2	821.	19:32	5.08			
E3E	56.	12:46	.10			
E3C	113.	12:26	.14			
E3D	50.	12:39	.08			

E3B	15.	12:29	.02		
E3	100.	13:03	.22		
E3A	43.	12:50	.08		
CE3A	139.	12:58	.30		
VR	47.	12:08	.03		
VRDET	7514.	0:00	.03	133.	65.
CVR	7514.	0:00	.34		
CE3B	7514.	0:00	.36		
R-CE3B	7514.	0:00	.36		
FBNE	91.	12:12	.07		
FBNELO	23.	12:07	.07		2.25
FBNEHI	68.	12:12	.00		
CE3D	7514.	0:00	.66		
R-CE3D	7514.	0:00	.66		
CE3	7514.	0:00	.76		
CE2A3	7514.	0:00	5.83		
RCE2A3	1667.	1:18	5.83	133.	40.
E4B	310.	13:54	.98		
CE4B	1668.	1:18	6.82		
E4A	244.	13:36	.70		
CE4	1668.	1:18	7.52		
R-CE4	874.	3:35	7.52	133.	31.
E5	125.	13:20	.32		
CE5	875.	3:35	7.83		
CEG	1476.	16:13	12.24		
R-CEG	1474.	16:29	12.24	133.	14.
E6	147.	12:36	.22		
CE6	1489.	16:27	12.47		
R-CE6	1488.	17:22	12.47	133.	.0
E7	351.	12:57	.70		
CE7	1545.	17:18	13.17		
R-CE7	1544.	17:35	13.17	133.	5.8
E8	170.	12:34	.25		
CE8	1560.	17:35	13.41		
R-CE8	1559.	17:47	13.41	133.	8.5
E9	310.	12:33	.44		
CE9	1587.	17:47	13.85		
R-CE9	1586.	17:54	13.85	133.	4.7
E10	229.	12:27	.29		
CE10	1605.	17:54	14.14		
R-CE10	1604.	18:01	14.14	133.	4.7
E11	201.	12:23	.23		
CE11	1619.	18:01	14.37		
R-CE11	1619.	18:08	14.37	133.	4.6



E12	301.	12:34	.43		
CE12	1647.	18:07	14.80		
R-CE12	1647.	18:14	14.80	133.	4.7
E13	124.	12:26	.15		
CE13	1656.	18:13	14.96		
R-CE13	1656.	18:23	14.96	133.	5.7
E14	808.	12:46	1.39		
R-E14	174.	15:57	1.39	133.	84.
CE14	1829.	18:23	16.35		

## (10-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
G2A	218.	14:07	1.29			
R-G2A	159.	17:03	1.29	.0	8.4	
G2B	134.	13:23	.63			
CG2	188.	16:43	1.92			
R-CG2	187.	17:08	1.92	.0	1.5	
G3A	162.	13:31	.80			
CG3A	308.	13:40	2.71			
R-CG3A	283.	14:43	2.71	.0	3.5	
G3B	41.	12:47	.13			
CG3B	296.	14:41	2.85			
R-CG3B	295.	14:59	2.85	.0	1.0	
G3D	111.	13:47	.57			
CG3D	374.	14:48	3.42			
G4	83.	13:16	.35			
CG4	418.	14:39	3.78			
R-CG4	416.	15:05	3.78	.0	2.8	
G3C	73.	12:45	.24			
CG3	435.	15:01	4.01			
G5	89.	13:21	.39			
CG5	482.	14:24	4.41			
E2	155.	14:21	.97			
E1A	261.	13:44	1.38			
R-E1A	235.	14:51	1.38	.0	4.7	
E1C	271.	13:33	1.34			
CE1AC	424.	14:17	2.73			
E1B	206.	14:34	1.38			
R-E1B	157.	15:48	1.38			
R-RE1B	40.	14:49	1.38			48.72
CE1ABC	464.	14:17	4.10			
CE1	386.	17:03	4.10	.0	11.	

R-CE1	385.	17:30	4.10	.0	3.5	
RETE1B	117.	15:48	.00			
TMP1	484.	16:54	4.10			
R-TMP1	439.	19:53	4.10	.0	22.	
CE1A2	474.	19:43	5.08			
E3E	30.	12:47	.10			
E3C	59.	12:26	.14			
E3D	27.	12:39	.08			
E3B	7.8	12:29	.02			
E3	55.	13:05	.22			
E3A	23.	12:51	.08			
CE3A	77.	12:59	.30			
VR	27.	12:06	.03			
VRDET	7514.	0:00	.03	133.	65.	
CVR	7514.	0:00	.34			
CE3B	7514.	0:00	.36			
R-CE3B	7514.	0:00	.36			
FBNE	54.	12:09	.07			
FBNELO	23.	12:06	.07			.64
FBNEHI	31.	12:09	.00			
CE3D	7514.	0:00	.66			
R-CE3D	7514.	0:00	.66			
CE3	7514.	0:00	.76			
CE2A3	7514.	0:00	5.83			
RCE2A3	1667.	1:18	5.83	133.	40.	
E4B	184.	13:54	.98			
CE4B	1668.	1:18	6.82			
E4A	141.	13:37	.70			
CE4	1668.	1:18	7.52			
R-CE4	873.	3:35	7.52	133.	31.	
E5	71.	13:21	.32			
CE5	873.	3:35	7.83			
CEG	877.	3:35	12.24			
R-CEG	857.	16:05	12.24	133.	9.8	
E6	79.	12:35	.22			
CE6	866.	16:03	12.47			
R-CE6	866.	16:37	12.47	133.	.0	
E7	205.	12:54	.70			
CE7	905.	16:32	13.17			
R-CE7	905.	16:41	13.17	133.	3.9	
E8	103.	12:28	.25			
CE8	916.	16:40	13.41			
R-CE8	915.	16:57	13.41	133.	6.0	
E9	183.	12:28	.44			

CE9	933.	16:56	13.85		
R-CE9	933.	17:00	13.85	133.	3.2
E10	141.	12:21	.29		
CE10	945.	17:00	14.14		
R-CE10	945.	17:07	14.14	133.	3.1
E11	121.	12:18	.23		
CE11	955.	17:07	14.37		
R-CE11	954.	17:18	14.37	133.	3.3
E12	180.	12:28	.43		
CE12	974.	17:18	14.80		
R-CE12	973.	17:29	14.80	133.	3.3
E13	71.	12:23	.15		
CE13	980.	17:29	14.96		
R-CE13	979.	17:39	14.96	133.	3.9
E14	515.	12:37	1.39		
R-E14	171.	14:25	1.39	133.	39.
CE14	1149.	17:39	16.35		

## Sacramento Hydrologic Calculator Report

October 12, 2007 12:06

Project Title: Vintage Ranch and Florin-Bradshaw developments

Method:

Sacramento County IIEC-1 method

Comments: EXISTING CONDS. with Vintage Ranch and Florin-Bradshaw developed Date:

6/14/2007

Prepared by: RDH

## Watershed Hydrologic Summary Data

Watershed	Area (acres)	Mean Elevation (ft)	Lag Times		Basin "n"		Loss Rates		Percent Impervious	
			Method	Lag Time (min)	Method	Basin "n"	Method	Loss Rate (in/hr)	Method	Impervious Area (%)
G2A	825	85	Basin "n"	-	Computed	-	Computed	-	Computed	-
G2B	403	75	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3A	509.1	70	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3B	86.2	60	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3D	367.9	59	Basin "n"	-	Computed	-	Computed	-	Computed	-
G4	226.2	60	Basin "n"	-	Computed	-	Computed	-	Computed	-
G5	252.5	48	Basin "n"	-	Computed	-	Computed	-	Computed	-
E1A	885.18	125	Basin "n"	-	Computed	-	Computed	-	Computed	-
E1C	860.69	100	Basin "n"	-	Computed	-	Computed	-	Computed	-
E1B	881	0	Basin "n"	-	Computed	-	Computed	-	Computed	-
E2	623.5	65	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3	141.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4B	628	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4A	447.6	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E5	203.2	49	Basin "n"	-	Computed	-	Computed	-	Computed	-
E7	449.9	40	Basin "n"	-	Computed	-	Computed	-	Computed	-
E8	156.9	40	Basin "n"	-	Computed	-	Computed	-	Computed	-
E9	280.71	36	Basin "n"	-	Computed	-	Computed	-	Computed	-
E10	185.71	32	Basin "n"	-	Computed	-	Computed	-	Computed	-
E11	147.52	30	Basin "n"	-	Computed	-	Computed	-	Computed	-
E12	276.48	25	Basin "n"	-	Computed	-	Computed	-	Computed	-
E13	97.05	24	Basin "n"	-	Computed	-	Computed	-	Computed	-
E14	892.73	20	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3C	151.6	59	Basin "n"	-	Computed	-	Computed	-	Computed	-
E6	143.3	45	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3A	52.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3B	13.3	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3C	90.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3D	52.9	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3E	64.5	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
VR	20.4	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
FBNE	47.5	68	Basin "n"	-	Computed	-	Computed	-	Computed	-



Basin "n" Method Data for Lag Time Computation

Watershed	Channel Length (ft)	Centroid Length (ft)	Slope (ft/ft)	Channelization	Land Use Impervious Area Percent (% or acres)																
					95	90	85	80	75	70	60	50	40	30	25	20	15	10	5	2	1
G2A	14399	5998	.0031	Undeveloped												0	0	0	709.9		
				Developed													29.1	78.8	7.2	0	
G2B	8369	4752	.0032	Undeveloped												0	0	0	226.7		
				Developed													39.2	1.4	135.7	0	
G3A	6399	4599	.0028	Undeveloped											0	0	0	447.4			
				Developed												3.7	38.8	19.2	0		
G3B	3152	2001	.0026	Undeveloped											0	0	0	58			
				Developed												7.6	19.7	0.9	0		
G3D	9900	5502	.0016	Undeveloped		0									0	0	0	242.2			
				Developed		5.8										7.5	89.8		22.6	0	
G4	6199	2999	.0017	Undeveloped	0										0	0	0	158.8			
				Developed	2												33.5	23.4	8.6	0	
G5	5940	3300	.0015	Undeveloped											0	0	0	183.4			
				Developed													34		35.1	0	
E1A	10798	5998	.0050	Undeveloped											0	0	0	725.45			
				Developed													65.15	1.96	92.61	0	
E1C	9900	5000	.005	Undeveloped			0								0	0	0	665.16			
				Developed			6.61										43.89	19.21	125.82	0	
E1B	15750	8501	.0029	Undeveloped											0			834.98			
				Developed													46.02			0	
E2	14509	7202	.0013	Undeveloped			0			0					0	0		430.5			
				Developed			11.6			3.9							23.7	153.8		0	
E3	5193	2202	.0039	Undeveloped											0		7	129.2			
				Developed													5.5		0	0	
E4B	8100	5998	.0012	Undeveloped						0				0			0	497.7			
				Developed						92.9							11.3	25.1	0.9	0	
E4A	7302	4298	.0015	Undeveloped											0	0	0	348.9			
				Developed													21.5	36.3	19.8	21.1	0
E5	5760	3099	.0014	Undeveloped											0	0	0	158.4			
				Developed													4.2	15.3	24.3	0.9	0
E7	5518	2519	.0012	Undeveloped		0		0		0		0			0	0	0	186.2			
				Developed		4.5			78.6		4.6		107.7				23	31.3	14.1	0	
E8	4800	2408	.0014	Undeveloped		0	0	0	0				0		0	0					
				Developed		1.9	28.1	0.1	13.2				77.6		0.4		13.1	22.6			
E9	4604	2497	.0025	Undeveloped		0			0	0		0					0	1.27			
				Developed		13.95				66.54	7.38		104.18							87.39	0
E10	4050	1843	.0024	Undeveloped		0		0		0	0		0				0	0.22			
				Developed		12.06		8.85			10.7	17.38	128.57							7.92	0
E11	3400	1399	.0024	Undeveloped		0			0	0	0		0				0	0.09			
				Developed		20.62				0.45	32.65	0.19	77.15							16.37	0
E12	4599	2339	.0012	Undeveloped		0			0	0	0		0				0	1.23			
				Developed		31.57				63.87	83.06	3.16	22.45							71.13	0
E13	3200	1800	.0022	Undeveloped		0			0		0		0				0	0.02			
				Developed		23.37				19.11		10.63	0.2							43.73	0
E14	9002	4499	.0024	Undeveloped		0		0		0		0					0	12.18			
				Developed		229.5		71.89		38.63		90.94	397.71							51.88	0
G3C	3332	1299	0.0049	Undeveloped														151.61			
				Developed																0	
E6	3802	1800	.0035	Undeveloped												0	0	34.4			
				Developed														64.2	44.7	0	
E3A	3485	1508	.0034	Undeveloped											0.6	0.1	6	46.1			
				Developed													0	0	0	0	
E3B	1482	723	.0027	Undeveloped												5.6		7.7			
				Developed														0		0	
E3C	2561	1525	.0023	Undeveloped												0		2.9			
				Developed															87.8	0	
E3D	2330	1000	.0026	Undeveloped										0	0	8		43.7			
				Developed												1	0.2	0		0	
E3E	3070	1200	0.00195	Undeveloped											0			57.2			
				Developed													7.3			0	
VR	1472	351	.0041	Undeveloped			0			0											
				Developed			10.1					10.3									
FBNE	2070	1010	.0029	Undeveloped		0															
				Developed		47.4															

Refer to the Drainage manual for Land Use Impervious Area Percent

\*Dense Oaks, Shrubs, Vines

Infiltration Loss Rate Data

Watershed	Soil Cover Group	Land Use Impervious Area Percent (% or acres)																	
		95	90	85	80	75	70	60	50	40	30	25	20	15	10	5	2	1	1*
G2A	B																		
	C												5.1	34.4	1	89.3			
	D												24	44.4	6.2	620.6			
G2B	B																		
	C												28.4	1.4	97.6	88.9			
	D												10.8		38.2	137.8			
G3A	B																		
	C											2.4	23.1	17		163.9			
	D											1.3	15.7	2.2		283.5			
G3B	B																		
	C												2.5			0.2			
	D											7.6	17.2	0.9		57.9			
G3D	B																		
	C												1.9			0.9			
	D		5.8									7.5	87.9		22.6	241.4			
G4	B																		
	C																		
	D	2											33.5	23.4	8.6	158.8			
G5	B																		
	C																		
	D												34		35.1	183.4			
E1A	B																		
	C												2.2	1.8	80	179.2			
	D												62.9	0.2	12.6	545.7			
E1C	B															1.3	21.9		
	C			3.3									15.6	19.2	7.9	190.3			
	D			3.3									28.3		116.6	452.9			
E1B	B																		
	C												2.8			81.5			
	D												43.2			753.4			
E2	B																		
	C												14.8			121.6			
	D			11.6				3.9					8.9	153.8		308.9			
E3	B																		
	C														7	30.7			
	D												5.5			98.4			
E4B	B																		
	C											7.5				0.2			
	D							92.9				3.7	25.1		0.9	497.5			
E4A	B																		
	C											1.8		1.6		6.4			
	D											19.7	36.3	18.1	21.1	342.5			
E5	B																		
	C																		
	D											4.2	15.3	24.3	0.9	158.4			
E7	B																		
	C																		
	D		4.5			78.6		4.6		107.7				23	31.3	14.1	186.2		
E8	B																		
	C																		
	D		1.9	28.1	0.1	13.2				77.6		0.4		13.1	22.6				
E9	B																		
	C																		
	D		14					66.5	7.4	104.2						87.4	1.3		
E10	B																		
	C																		
	D		12.1		8.8			10.7	17.4	128.6						7.9	0.2		
E11	B																		
	C																		
	D		20.6					0.5	32.7	0.2	77.2					16.4	0.1		
E12	B																		
	C																		
	D		31.6					63.9	83.1	3.2	22.5					71.1	1.2		
B	B																		

E13	C																		
	D	23.4			19.1		10.6	0.2						43.7					
E14	B																		
	C																		
G3C	D	229.5	71.9		38.6		90.9	397.7						51.9	12.2				
	B																		
E6	C																		
	D												64.2	44.7	34.4				
E3A	B																		
	C												0.1	5.7	17.6				
E3B	D												0.6	0.2	28.5				
	B																		
E3C	C													4.9	6				
	D													0.7	1.8				
E3D	B																		
	C											0.7	0.2	5.4	26.2				
E3E	D											0.3		2.6	17.5				
	B																		
VR	C			6.7			9.6												
	D			3.3			0.7												
FBNE	B																		
	C	26.2																	
FBNE	D	21.2																	

Refer to the help file for Land Use Impervious Area Percent

\*Dense Oaks, Shrubs, Vines

## Hydrograph Routing – Muskingum–Cunge (Standard)

Routing ID	Route From	Route To	Channel Type	Length (ft)	Slope (ft/ft)	Width or Diameter (ft)	Side Slope (H:V)	Mannings "n"
R-CE3B	CE3B	CE3D	Trapezoidal	2163	0.0027	10	4:1	0.06
R-CE3D	CE3D	CE3	Trapezoidal	3150	0.0022	10	4:1	0.06

Hydrograph Routing – Muskingum-Cunge 8-Point Cross Section

Routing ID	Route From	Route To	Channel Length (ft)	Slope (ft/ft)	Cross Section Geometry								
					Left OB 1	Left OB 2	Left Bank	Channel Point 1	Channel Point 2	Right Bank	Right OB 1	Right OB 2	
R-E1B	E1B	R-RE1B	4000	.0003	Station	0	50	100	104	108	116	166	216
					Elevation	3.7	3	1.2	.6	.4	1.5	3.7	5.5
					Mannings "n"	.06			.035		.06		

Hydrograph Routing – Modified Puls (Storage)

Routing ID	Route From	Route To	No. Steps	Initial Flow (cfs)	Storage-Discharge Relationship											
					Volume (acre-ft)	0	15.2	27.7	51.6	76	100.8	122.7	145.4	169	191.8	221.6
R-G2A	G2A	CG2	5	0	Volume (acre-ft)	0	50	100	200	300	400	500	600	700	800	900
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG2	CG2	CG3A	5	0	Volume (acre-ft)	0	2.5	4.5	7.9	11.3	15.2	20.7	24	26	28.1	30
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG3A	CG3A	CG3B	5	0	Volume (acre-ft)	0	1.9	4.4	10.9	18.9	28.4	40.6	50.6	57.2	63.3	68.6
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG3B	CG3B	CG3D	5	0	Volume (acre-ft)	0	0.8	1.3	2.8	5.3	7.6	9.2	11	13.1	15.3	18
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG4	CG4	CG3	5	0	Volume (acre-ft)	0	2.1	3.8	7	10	13.4	17.1	21.4	27	34.1	41.5
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-E1A	E1A	CE1AC	5	0	Volume (acre-ft)	0	11.2	29.2	34.5	42.4	60.3	77.5	93.3	116.1	141.6	171.8
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
CE1	CE1ABC	R-CE1	5	0	Volume (acre-ft)	0	7.7	35.6	45	60.3	68.5	91.3	115.9	141.2	166.4	190.9
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
R-CE1	CE1	TMP1	5	0	Volume (acre-ft)	0	5.1	14.2	16.2	18.1	21.7	25.1	28.5	31.7	34.9	41
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
RCE2A3	CE2A3	CE4B	5	0	Volume (acre-ft)	0	7.6	39.9	47.6	55.2	71.4	87.5	102.9	115.6	126.3	136.2
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
R-CE4	CE4	CE5	5	0	Volume (acre-ft)	0	13.1	44.1	53.5	63.7	83.6	102.7	121.1	139.7	158.4	177.7
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
R-CEG	CEG	CE6	5	0	Volume (acre-ft)	0	2.8	16.8	31.8	46.4	56.1	62.3	67.1	71.5	75.6	79.5
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE6	CE6	CE7	4451.04	0	Volume (acre-ft)	0	5.2	15.4	22.9	31.3	40.9	51.7	64.7	79.7	94.1	110.7
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE7	CE7	CE8	5	0	Volume (acre-ft)	0	6.1	12.4	15.6	17.9	20.5	23	25.9	30.5	36.4	64.5
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE8	CE8	CE9	5	0	Volume (acre-ft)	0	7.3	17.3	22.6	27.3	31.7	35.8	39.7	43.2	47.2	56.2
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE9	CE9	CE10	4	0	Volume (acre-ft)	0	3	7	10	12	13	15	17	19	20	23
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE10	CE10	CE11	3	0	Volume (acre-ft)	0	2	5	7	8	10	11	13	14	16	17
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE11	CE11	CE12	5	0	Volume (acre-ft)	0	4	9	12	14	17	19	21	23	25	27
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE12	CE12	CE13	5	0	Volume (acre-ft)	0	6	9	12	14	17	19	21	23	25	27
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE13	CE13	CE14	5	0	Volume (acre-ft)	0	8.6	13.7	18.2	22.4	26.4	30.8	34.6	39	64	
					Flow (cfs)	0	300	600	900	1200	1500	1800	2100	2400	2700	
R-E14	E14	CE14	1	0	Volume (acre-ft)	0	2.35	4.71	7.04	100						
					Flow (cfs)	0	56	113	169	175						
R-TMP1	TMP1	CE1A2	5	0	Volume (acre-ft)	0	22.8	74.4	86.6	98.7	122.8	146.6	169.7	193.5	216.8	239.1
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000

Detention Basin Data

Detention Basin	Initial Condition		Pond Storage Relation										Outlet Data			
													Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
VRDET	Volume (ac-ft)	65.4	Elevation (ft)	65.4	69								65.6	.785	1	0.5
			Volume (ac-ft)	0	3.47									66.5	50	1
	Pump Data															
	Pump Hydrograph Name		Pump Discharge (cfs)			Pump 1	Pump 2	Pump 3	Pump 4	Pump 5						
			Elevation at which Pump Turns On (ft)													
			Elevation at which Pump Turns Off (ft)													