

**DRAINAGE ANALYSIS SUMMARY**  
**WILSON FARMS SECOND**

Area ID**	Area ac	Accum. Area ac	C2	C100	Tc2 min	Tc100 min	I2 in/hr	I100 in/hr	Q2 cfs	Q100 cfs	Inlet Size ft	Pipe Size in	Min Slope %	COMMENTS
A1	2.9		0.50	0.76	15	15	3.83	7.37	5.6	16.2	L(I)=10'	15"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
A2	1.2		0.50	0.76	15	15	3.83	7.37	2.3	6.7	L(I)=10'	18"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
B	1.3		0.50	0.76	15	15	3.83	7.37	2.5	7.3	L(I)=10'			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>A1 + A2 + B</b>	5.4	0.50	0.76	15	15	3.83	7.37	10.3	30.2		30"	0.30%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
C	2.5		0.50	0.76	15	15	3.83	7.37	4.8	14.0	AREA INLET	15"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
D	1.5		0.50	0.76	15	15	3.83	7.37	2.9	8.4	AREA INLET			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>C + D</b>	4.0	0.50	0.76	15	15	3.83	7.37	7.7	22.4		18"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
E	1.8		0.50	0.76	15	15	3.83	7.37	3.4	10.1	AREA INLET			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>C + D + E</b>	5.8	0.50	0.76	15	15	3.83	7.37	11.1	32.5		24"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
F	1.7		0.50	0.76	15	15	3.83	7.37	3.3	9.5	AREA INLET	15"	0.50%	
G	1.6		0.50	0.76	25	20	3.83	7.37	3.1	9.0	AREA INLET			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>F + G</b>	3.3	0.50	0.76	15	15	3.83	7.37	6.3	18.5		24"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
H1	1.8		0.50	0.76	15	15	3.83	7.37	3.4	10.1	L(I)=10'	18"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
H2	2.6		0.50	0.76	15	15	3.83	7.37	5.0	14.6	L(I)=10'			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>H1 + H2</b>	4.4	0.50	0.76	15	15	3.83	7.37	8.4	24.6		24"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
H3	1.2		0.50	0.76	15	15	3.83	7.37	2.3	6.7	L(I)=10'			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>H1 + H2 + H3</b>	5.6	0.50	0.76	15	15	3.83	7.37	10.7	31.4		24"	0.20%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>F + G + H</b>	8.9	0.50	0.76	15	15	3.83	7.37	17.0	49.9		24"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
I	2.4		0.50	0.76	15	15	3.83	7.37	4.6	13.4	L(I)=10'			
	<b>F + G + H + I</b>	11.3	0.50	0.76	15	15	3.83	7.37	21.6	63.3		30"	0.30%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>C + D + E + F + G + H + I</b>	17.1	0.50	0.76	15	15	3.83	7.37	32.7	95.8		30"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
J1	2.3		0.50	0.76	15	15	3.83	7.37	4.4	12.9	L(I)=10'	15"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE
J2	3.3		0.50	0.76	15	15	3.83	7.37	6.3	18.5	L(I)=10'			2YR DESIGN, w/ 100 YR ESCAPE ROUTE
	<b>J1 + J2</b>	5.6	0.50	0.76	15	15	3.83	7.37	10.7	31.4		24"	0.50%	2YR DESIGN, w/ 100 YR ESCAPE ROUTE