

**RUNOFF CALCULATIONS**

RESIDENTIAL	SHOPPING CENTER
Time = 15 Min.	Time = 10 Min.
C = 0.475	C = 0.50
I <sub>1</sub> = 4.4	I <sub>1</sub> = 5.1
I <sub>2</sub> = 5.0	I <sub>2</sub> = 5.8
I <sub>3</sub> = 5.7	I <sub>3</sub> = 6.5

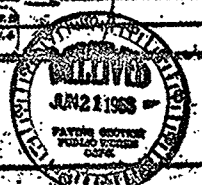
TC 15min	COEFF	TC 10min	COEFF
I <sub>1</sub> = 3.5	1.66	I <sub>1</sub> = 4.1	1.97
I <sub>2</sub> = 4.4	2.09	I <sub>2</sub> = 5.1	4.59
I <sub>3</sub> = 5.0	2.38	I <sub>3</sub> = 5.8	5.22
I <sub>4</sub> = 5.7	2.71	I <sub>4</sub> = 6.5	5.85

S.C. (0.4)(1.48) = 0.6  
 R<sub>1</sub> = 0.7(1.50) = 1.05  
 S.O. = 7.5 cfs.

S.C. (0.4)(1.48) = 1.0  
 R<sub>2</sub> = 0.7(1.98) = 1.4  
 S.O. = 5.8 cfs.

CHURCH SITE

**DRAINAGE AREA MAP**  
**PRESTONWOOD NO. 1**  
**421-0-1670**



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