

ENGINEERING DATA FOR CPK CG-5, 24" CURB & GUTTER

1. RECOMMENDED MINIMUM FLOW LINE GRADE = 0.30%.
2. ABSOLUTE MINIMUM FLOW LINE GRADE = 0.20% PER CHESAPEAKE CITY CODE, SECTION 70-97.
3. DURING NORFOLK 2-YEAR STORM, FLOW IN GUTTER MUST NOT SPREAD MORE THAN 10' FROM FACE OF CURB. THE FOLLOWING TABLE GIVES AMOUNTS OF RUNOFF WHICH WILL CAUSE A 10' SPREAD.

2-YEAR RUNOFF REQUIRED
TO CAUSE 10' SPREAD:
(CFS)

<u>FLOW LINE GRADE (%)</u>	<u>1/4":1' PVMT SLOPE</u>	<u>3/8":1' PVMT SLOPE</u>
0.20	1.63	3.00
0.25	1.82	3.35
0.30	2.00	3.67
0.35	2.15	3.97
0.40	2.30	4.24
0.50	2.58	* 4.74
0.60	2.82	* 5.19
0.80	3.26	* 5.99
1.00	3.64	* 6.70

* 5-YEAR RUNOFF IN EXCESS OF 5 CFS SHOULD NOT BE CARRIED IN CURB AND GUTTER.

SHEET 2 OF 2

		DESIGN AND CONSTRUCTION STANDARDS			
		ENGINEERING DATA FOR 24" CURB AND GUTTER			
DR. BY:	DATE:	CG-5	05		
08/01/03	REV. FOR INTERNET 2003			CHK. BY:	DATE:
DATE	REVISIONS			APP. BY:	DATE:

APPROVED FOR THE WEB _____

City Engineer

Date