

ENGINEERING DATA FOR CPK CG-6, 30" 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.
4. CG-6 IS NORMALLY REQUIRED ON PRIMARY ROUTES AND CITY STREETS WITH HIGHER DESIGNATION THAN "COLLECTOR".

5-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	1.81	3.18
0.25	2.02	3.56
0.30	2.21	3.90
0.35	2.40	4.21
0.40	2.56	4.50
0.50	2.86	* 5.03
0.60	3.13	* 5.52
0.80	3.62	* 6.36
1.00	4.05	* 7.12

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

SHEET 2 OF 2

 DEPARTMENT OF PUBLIC WORKS ENGINEERING		DESIGN AND CONSTRUCTION STANDARDS			
		ENGINEERING DATA FOR 30" CURB AND GUTTER			
DR. BY:	DATE:	CG-6	07		
08/01/03	REV. FOR INTERNET 2003			CHK. BY:	DATE:
DATE	REVISIONS			APP. BY:	DATE:

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APPROVED FOR THE WEB _____

City Engineer

Date

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