



**EXAMPLE:** GIVEN DISCHARGE  $Q=4.4$  C.F.S.  
 FRICTION FACTOR  $n=0.015$   
 SLOPE OF 0.0060' PER FOOT

**FIND** DIAMETER 15 INCHES AND VELOCITY  
 OF 3.5 FT. PER SECOND, BY  
 FOLLOWING DASHED LINE.

NOTE: TABLE FROM "DATA BOOK FOR CIVIL ENGINEERS DESIGN",  
 ELWYN E. SEELYE, VOL. I REVISED 1960, P. 18-72

REVISED	F.B.	PG.	DATE: 4-10-74
5/21/75			SCALE: NONE
			DRAWN BY: P.N.R.
			CHECKED BY: NBM
			CITY ENGINEER: FRW

**STANDARD DETAIL**

**NOMOGRAPH FOR COMPUTING REQUIRED SIZE  
 OF CIRCULAR DRAIN, FLOWING FULL**  
 $n=0.013$   $n=0.015$

OFFICE OF THE  
 CITY ENGINEER  
 GASTONIA, N.C.

FILE NO. **71G-6**