## FORMULATION OF NOMOGRAPH FOR INLETS OF ZERO DEPRESSION

Ojo, O. O. & Akinboboye, V. A.
Dept of Civil Engineering Technology, Rufus Giwa Polytechnic Owo
NIGERIA

## **ABSTRACT**

The formulation of the nomograph entails the use of the rational formula (Q = 10CIA) where Q is the discharge in  $m^3$ /s, C is the runoff coefficient, I is the intensity in mm/hr and A is the catchments area in  $m^2$ . The nomograph relates the basic parameters in the formula Q =  $C_W$  L  $d^{3/2}$ . In other to use the formula Q =  $C_W$  L  $d^{3/2}$  the following values of coefficient 0.36-0.4, 0.47-0.64, 0.64-0.74 and 0.7-1.04 were computed for curb inlets with 0 mm depression respectively. From these values of coefficient, 0.4, 0.58, 0.7 and 0.9 were chosen to formulate the nomograph for the inlets while Q and d values are fixed on logarithmic scale.

**Keywords:** Nomograph, intensity, duration, inlets, drainage.